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**ECONOMIC CONTRIBUTIONS AND
CHARACTERISTICS OF GRAPES AND WINE IN
AUSTRALIA'S WINE REGIONS**

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Revised October 2009

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Economic contributions and characteristics of grapes and wine in Australia's wine regions

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Economic contributions and characteristics of grapes and wine in Australia's wine regions

Why this report? Why now?

Over the past two decades, the Australian wine industry has been through a remarkable period of export-oriented growth. Even when vines for drying and table grapes are included, the vineyard area in Australia has trebled over the 20 vintages to 2008, the biggest surge in Australia's history (Figure 1). In the first half of the 1980s, barely 2 percent of the country's wine production was exported, which was less than the volume it imported. Today, nearly two-thirds of Australia's production is exported (Figure 2) – and production itself has increased nearly four-fold since the early 1980s. Moreover, the average price of those exports has more than trebled in nominal terms over that period (Figure 3(b)). Meanwhile, domestic consumption of wine – which also has grown – is becoming more focused on higher quality offerings too: prior to the mid-1990s, less than one-third of domestic wine sales were in bottles of smaller than 2 litres, whereas by 2007 bottles accounted for more than half of domestic sales – and more than two-thirds of the volume of export sales (ABS 2008). During this decade the average price of domestic sales has crept slightly ahead of the average export price (Figure 3(c)).

This export-led growth and quality upgrading has added remarkable wealth and vitality to many rural regions of Australia. It has also altered the characteristics of production in those various regions.

This report summarizes the more-easily measured of the industry's economic contributions. Other contributions multiply those benefits, including those to the restaurant, accommodation and other tourist-related industries, and to input-supplying

industries such as bottle producers, designers and printer of labels, and transport firms.¹

The report also summarizes some key characteristics of the industry at the regional level. In doing so it reveals the increasing distinctiveness of the various regions as they seek to add value by differentiating themselves from each other and from producers abroad.

Focusing on regional contributions and differentiation is timely given the industry's new strategy aimed at raising perceived quality and export prices, in part though generic promotion of regional heroes (AWBC and WFA 2007). Regions themselves are investing increasingly in their own promotional efforts too. Pressures to move in that direction intensified in recent years as the Australian dollar strengthened as a result of a boom in mineral and energy raw material exports, and as competition from other New World suppliers intensified. One result of those pressures has been manifest in a fall in the average price of Australia's wine exports since 2001 (Figure 3(a)) as those exports move into lower price segments (Figure 4). The financial crisis-induced recession in developed economies from 2008 is now adding to the competition faced by domestic producers.² That competition is being felt not only in export markets but also at home: Figure 2 shows the sudden growth in wine imports in the latter part of the present decade.

A further reason to focus on regional differences within the industry is to assist in developing strategies to adapt to climate change and the associated developments in water markets. Changes such as rising mean temperatures, a greater frequency and intensity of extreme weather events, changing precipitation patterns, and widening fluctuations in irrigation water prices and availability are altering over time the optimal methods of production and possibly even the optimal regional location for producing particular varieties of winegrapes (see, e.g., Webb 2006 and

¹ We resist the temptation to use input-output multiplier analysis, since it necessarily exaggerates an industry's contribution. In a report to New Zealand Winegrowers by Ballingall and Schilling (2009), for example, it is claimed that every extra dollar of value added by the wine industry creates an extra \$2.34 of national GDP (and every new wine industry job creates also 1.79 new non-wine jobs) via other industries. But if every industry did such partial analysis and the direct and indirect contributions of all industries were summed, the total would be several times national GDP and employment, which clearly makes no sense. It is conceivable that, as O'Mahony et al. (2006) find, wine cellar door visits boost the quantity and average price of customers' future wine purchases, but such contributions will be captured in the value of future wine sales and so it would be double counting to include them in any estimate of current contributions.

² For an empirical analysis of the national and regional economic impacts of the recent downturn on demand for exports of Australian wine, see Wittwer, Valenzuela and Anderson (2009).

hers and other references cited in Anderson et al. 2008). Because of this, it is helpful to focus also on climate zones in addition to geographic regions. Each region is thus classified, according to the region's average January and February temperatures and growing degree days (Webb 2006, pp. 239-40, shown as an Appendix Table to this report), as belonging to one of three viticultural climate zones as defined at the bottom of Table 1: hot, warm or cool.³

Economic modeling of the Australian economy also can benefit from more disaggregated data by sector and region. Recent software developments and the rise in computer memory allow economy-wide models to be targeted for analysis of particular industries however small, and to focus specifically on their regions of production (Horridge and Wittwer 2008). The prime limitation these days for model analysis of small industries is therefore not computer software or hardware but rather the availability of disaggregated data of sufficient quality. A side benefit of this report is that it provides insights into the quality of data currently available for regional modeling of Australia's wine industry (a prototype analysis being Wittwer, Valenzuela and Anderson 2009).

In what follows, after discussing the sources of data the report first examines the regional contributions of the wine industry before it moves on to explore the regional diversity of the industry. Numerous tables and figures of data, referred to in the text to support the findings, are provided at the end of the report. They are followed by an Appendix which provides one page of statistics for each of the 26 major wine regions referred to in the text. They are followed by summary tables for each of the main producing states, and for the three climate zones identified (hot, warm and cool).

Sources of data

Wine industry data at the regional level have been available from various sources, but the coverage has been sporadic and the regional definitions have varied widely across the different sources. The most reliable employment data come from the Australian Bureau of Statistics (ABS) censuses, which are conducted every five years with the

³ The beneficial effect of a large diurnal temperature range also was considered, but it did not cause any change to the above classification of regions into hot, warm or cool.

most recent one being for the 2005-06 financial year (and so covering the 2006 vintage). The ABS also conducts annual industry surveys and reports those data the following year in industry and other publications. For the wine and grape industry the most important and most recent of those is ABS (2008), which covers up to the 2008 vintage. More-detailed data are made available on-line, including for various levels of regional disaggregation. States are divided into Statistical Divisions, Statistical Sub-Divisions (SSDs), and Statistical Local Areas (SLAs, of which there are just over 1400 nationally). SLA data on vineyards and other agricultural activities as of 2005-06 are available in ABS (2009), for example.

For present purposes we focus on 27 Statistical Sub-Divisions as defined by the ABS. These are home to around half of the wine industry's Geographical Indications (GIs), which comprise more than 60 homogeneous areas legally defined for marketing purposes by the Australian Wine and Brandy Corporation's (AWBC's) Geographical Indications Committee. Each of our selected 27 SSDs map closely to one or more GIs, and the 34 GIs thereby covered (see Table 1) account for all but 6 or 7 percent of the nation's winegrape vineyard area, wine production volume, and value of wine sales.⁴ Those SSDs account for just under one-eighth of national GDP and population. As well, services associated with the wine industry are important in urban areas, for example in shipping activities at the major ports of Adelaide, Melbourne, Perth and Sydney as well as in the head offices of major wine companies in those cities.

The 2006 ABS census data are incorporated in the database of a regional multi-sectoral model of the Australian economy known as TERM and developed by Monash University's Centre of Policy Studies (Horridge and Wittwer 2008).⁵ That database is the source of comparative information reported below on the industry's contribution to regional employment, gross value of production and value added (GDP). Vine area, grape and wine production quantities, and number of establishments in the grape and wine business are from the latest annual survey data reported in ABS (2008).

⁴ Further disaggregation proved to be not sensible because the concordance between the other smaller GI regions and one or more SSDs or SLAs is very poor because of overlapping. Even for the chosen GIs the concordance is not always great. For example, the McLaren Vale GI is a small part of the Southern Adelaide SSD which includes a large amount of urban activity.

⁵ This is a bottom-up regional model. A top-down regional model has also been developed for wine industry analysis, based on the ORANI-G model (Horridge 2000).

The ABS does not publish price data, but since 1999 the industry itself has been conducting a series of State-based annual winegrape price and utilization surveys, and the average price data and crush volumes from those surveys are now made freely available online by AWBC (2009). In addition, in 2008 the AWBC conducted a survey to obtain additional information on the dispersion of winegrape prices around mean levels in each region that year (AWBC 2008).

As for wine prices, these are not available at the regional level but the AWBC uploads on its website, on a monthly basis, national information in the distribution of prices for wine exports (which now account for more than two-thirds of the value of all sales of Australian wine).

Regional contributions

The number and national share of grape-growing and wine-making *establishments* in each region, shown in Table 2, suggest there are slightly more than 5000 of each.⁶ South Australia is home to just over one-third of them, New South Wales to one-fifth, Victoria to just over one-quarter, and Western Australia to one-tenth. These are similar to the states' shares of national *employment* in the industry (Table 3), and that similarity translates also to the regional level (Figure 5). The 27 identified wine regions are very intensive in the use of labour in vineyards and wineries: for almost all of those regions the industry's share of regional employment is more than twice the national average, and for nearly half of them it is more than ten times (Table 4). Notice from Figure 6 that the share is much higher for employment than for the number of establishments in some regions (Barossa, McLaren Vale, and the region near Mildura in Victoria), where some large wine companies dominate. By contrast, in South Australia's Riverland the industry's regional employment share is much smaller than the establishment shares, reflecting the fact that large vineyards using labour-saving mechanical pruning and harvesting predominate. These differences in employment and establishment shares also reflects the fact that there is a very uneven

⁶ Some wine companies own several of those wine establishments: according to independent research by Winetitles (2009), there were just 2320 wine companies in Australia in 2008 (21 more than in 2007), and just two of them (Foster's and Constellation) account for 41 percent of branded wine sales (and they with 3 others account for 51 percent of the winegrape crush while more than 500 producers crush less than 50 tons).

distribution of wineries across Australia in terms of tonnes of grapes crushed: in 2007, one-third of all wineries crushed less than 20 tonnes each, another two-fifths crushed between 20 and 99 tonnes, one-sixth crushed between 100 and 500 tonnes, and only one-tenth crushed more than 500 tonnes. Indeed the top five wine companies alone crushed 61 percent of the grape intake in 2007 (and 51 percent in 2008), and the top 20 firms accounted for 90 percent of Australian wine sales (ABS 2008; Winetitles 2008, 2009).

The intensity of *land use* for vineyards similarly varies widely across regions and is extremely high in the most viticulturally intensive of them. Nationally, vineyards account for just 0.7 percent of the total crop area, but in most wine regions the share is at least several percentage points. For the majority of the 27 regions it is more than six times the national share (Table 5), and more than 40 times for four regions (McLaren Vale, Yarra Valley, Swan District and Adelaide Hills, see Figure 7).

The other resource whose employment varies greatly across regions is *irrigated water use*. Unfortunately comprehensive data are not yet available at the wine region level, but even at the state level the differences are large. Vineyards account for almost one-quarter of agricultural water use in South Australia but for only 6 percent nationally and less than 1 percent in Tasmania and Queensland. When differences in wine production are taken into account, Victoria is a much heavier user than South Australia per litre of wine produced, but perhaps that is because some of the grapes around Mildura are processed in South Australia. When expressed per dollar of gross value of agricultural production, Victoria and South Australia are close to the national average whereas New South Wales is 50 percent higher while Western Australia and Tasmania are only a small fraction of the national average (Table 6 and Figure 8). Table 6(b) shows that by 2006 New South Wales was the only state still a significant user of flood irrigation to water vines.

Compared with other farm enterprises, water use per litre of production value for grapes is greater than for other fruits or for vegetables but it is much less than for sugar, cotton, rice or dairying. And in aggregate terms, grapegrowers use less than all those enterprises except vegetable growing (Table 6(d)).

Turning to output contributions of the industry, we begin with the most reliable data which are the census data for the 2006 vintage. In that year grapes account for almost 2 percent of the *gross value of all agricultural output* and 1.5

percent of agricultural value added (GDP), but in wine regions their shares are more than three times larger on average – and more than ten times larger in the Murray Darling, Riverland, Barossa, and McLaren Vale, where grapes and wine account for more than 8 percent of *regional GDP* (and more than 16 percent for the Barossa – see Tables 7 and 8 and Figures 9 and 10). How much more intense is grape and wine production in each region is than nationally is summarized in three complementary intensity indexes in Table 9.

Other regional characteristics: diversity rules

In addition to differing in terms of intensity of grape and wine production, regions also differ – and increasingly so – in their mix of grape varieties. As each region learns from experience as to which varieties grow best in its location, so it is differentiating itself from other regions in terms of varietal specialization and quality of production. Anderson (2009) suggests four ways to indicate that diversity. One is by calculating the share of each variety in the region’s grape production and expressing it as a ratio of that variety’s share of national production. Anderson called this the *Varietal Intensity Index*, and its values for 2006 are summarized in Table 10. It indicates that the Adelaide Hills is more than 7 times more intensely planted to Pinot Noir and Sauvignon Blanc as is the rest of Australia’s wine regions, for example. The extent to which winegrape regions vary in terms of the mix of varieties they produce is captured by that index, which ranges from zero to more than 40, being higher for the cool-climate and lesser varieties. For shiraz, the top two regions in 2006 are Barossa Valley and McLaren Vale, for cabernet sauvignon they are Wrattenbully and Coonawarra, and for pinot noir they are Tasmania and Mornington Peninsula. Among the whites that index is highest for riesling in Eden Valley and Clare Valley, for semillon in the Hunter and Margaret River, and for sauvignon blanc in Great Southern and the Adelaide Hills. The growth in varietal specialization of regions is reflected in Figure 11, which shows the growing varietal intensity indexes for an illustrative sample of four varieties and selected regions.

The second indicator suggested by Anderson (2009) aims at capturing the extent to which each region’s mix of grape varieties differs from other regions and from the national average. To define indexes of similarity between regions, Anderson

borrowed and adapted an approach introduced by Jaffe (1986)—see also Griliches (1979)—and used subsequently by Jaffe (1989) and others including Alston, Norton and Pardey (1998) to measure inter-firm or inter-industry or inter-regional technology spillover potential. One could use agro-ecological characteristics in the different regions (as used in a different context by Wood and Anderson 2005) to define their “closeness” to one another viticulturally, in the same way that Jaffe (1989) used characteristics of the patents obtained by firms to define a measure of technological closeness among firms. Various agro-ecological characteristics of viticulture might be used for that purpose, such as measures of climate (temperature mean, maximum and variability; rainfall mean and distribution; sunshine; humidity; windiness; etc.), geological characteristics of the soil, topography of the land, and so on, drawing on the work of Gladstones (1992) and others. But for present purposes we use the mix of varieties harvested, a form of revealed preference or judgement by vignerons about what is best to grow. That judgement is affected by not only terroir but also past and present economic considerations, including current expectations about future price trends plus the sunk cost that would be involved in grafting new varieties onto existing rootstocks. When there are M varieties, the varietal-based **Regional Similarity Index** is defined as:

$$(1) \quad \omega_{ij} = \frac{\sum_{m=1}^M f_{im} f_{jm}}{\left(\sum_{m=1}^M f_{im}^2 \right)^{1/2} \left(\sum_{m=1}^M f_{jm}^2 \right)^{1/2}},$$

where f_{im} is the production of grape variety m as a proportion of the total grape production in region i such that these proportions fall between zero and one and sum to one (i.e., there are a total of M different grape varieties across the nation, and $0 \leq f_{im} \leq 1$ and $\sum_m f_{im} = 1$). This allows us to indicate the degree of varietal mix “similarity” of any pair of regions. One can also generate it for each region relative to the average of the nation’s N regions, call it ω . In short, ω_{ij} measures the degree of overlap of f_i and f_j . The numerator of equation (1) will be large when i ’s and j ’s varietal mixes are very similar. The denominator normalizes the measure to be unity when f_i and f_j are identical. Hence, ω_{ij} will be zero for pairs of regions with no overlap in their grape varietal mix, and one for pairs of regions with an identical varietal mix. For the in-between cases, $0 < \omega_{ij} < 1$. It is conceptually similar to a correlation coefficient. Like

a correlation coefficient, it is completely symmetric in that $\omega_{ij} = \omega_{ji}$ and $\omega_{ii} = 1$. Thus the results can be summarized in a symmetric matrix with values of 1 on the diagonal, plus a vector that reports the index for each region relative to the national varietal mix.

The degree of similarity of each region's varietal mix with the overall national varietal mix is shown in the Regional Similarity Index numbers based on winegrape crush reported in Table 11. The mean went down in almost two-thirds of the regions between 2001 and 2006, although the unweighted national average of those regional means fell only very slightly. That means there has been a slightly increasing diversity of regions relative to the national average, which is evident also from the slightly broader distribution of those numbers in 2006 as compared with 2001, depicted in Figure 12 (which excludes the five largest Hot zone regions).⁷ Each region's three most-similar other regions in terms of varietal mix in 2006 is shown in Table 12.⁸ It shows, for example, that the region most similar to the Adelaide Hills that year is the Yarra Valley, and the Barossa's most-similar region is McLaren Vale.

The third indicator suggested by Anderson (2009) focuses on regional quality, as measured by a *Regional Quality Index*, defined as the average winegrape price in a region across all varieties as a proportion of that average price nationally. The average prices themselves are shown in Table 13 in nominal terms, and the quality indexes are reported in Table 14. Nationally, average prices peaked in 2001, declined through to 2006, and have risen again since then. Winegrapes in 2008 from the warm irrigated regions of the Riverland, Riverina, Murray Darling and Swan Hill, which comprise nearly 60 percent of the national crush volume, received on average just two-thirds of the national average price, whereas most other regions received on average between 30 and 310 percent above the national average price that vintage. Indeed 5 of those 22 other regions enjoyed an average price of more than twice the overall national average in 2008: Tasmania, Mornington, Yarra Valley, Victoria's West/Central Highlands, and Adelaide Hills (Figure 13). The distribution of prices for regions outside the Hot zone is illustrated in Figure 14, which shows the thin tail of the right side of that

⁷ Anderson (2009) also reports the standard deviation of the Regional Similarity Index for each region vis-à-vis each other region. The standard deviation went up between 2001 and 2006 for almost two-thirds of the regions, providing further evidence that Australia's wine regions are becoming more distinct from each other over time.

⁸ The full matrix of Regional Similarity Index numbers for both 2001 and 2006 is provided in Appendix Table C of rth Working Paper version of Anderson (2009), available at www.adelaide.edu.au/wine2030.

distribution – a tail that has shifted substantially to the right between 2001 and 2006, indicating an increase in the average quality range across regions. This shift is reflected in the increase in the standard deviation of Regional Quality Index across regions, from 0.50 to 0.87 over that six-year period. It is also reflected in the fact that of the 18 regions whose Regional Quality Index rose over the 2001 to 2008 period, 10 of them had an index value of greater than 1.5 in 2008.

The average price of each variety nationally also covers quite a range. The two most-common red varieties (shiraz and cabernet sauvignon) and the most common white (chardonnay) together accounted for 58 percent of the volume of national winegrape production in 2001 and 61 percent in 2006, suggesting that economic factors play a non-trivial role in varietal selection in addition to terroir. But note from Table 15 that by 2006 four other red varieties received an average price above that for Cabernet Sauvignon and four other whites had an average price above that for chardonnay. The standard deviation of that *Varietal Quality Index* across varieties increased from 0.22 to 0.36 between 2001 and 2006, indicating an increase in the average quality range across varieties.

For completeness, the trends in the *volume and value of regional winegrape production* from 1999 to 2008 are shown in Tables 16 and 17, and each region's national shares are in Tables 18 and 19. The trends in average prices for the three climatic zones are depicted in Figures 15 to 17. It is clear from those figures that while the cool climate production volume is small, its average price is very high and so its value of production is non-trivial – and rising in nominal terms, in contrast to average prices since 2001 or 2002 in the other climatic zones.⁹

Finally, a new survey provides data on the distribution of winegrape prices within each region (AWBC 2008). Those price and quantity data, when multiplied, provide value data too. They are summarized in Tables 20 to 22 by dividing the spectrum of prices in the 2008 vintage into three categories. The non-premium category is defined as grapes purchased at less than \$550/tonne, super-premium as grapes purchased at \$1200/tonne or more, and commercial premium at between \$550 and \$1199/tonne. The majority of regions supply grapes into all three categories, but a

⁹ Half of South Australia's vineyards are in the hot Riverland region, while two-thirds of the NSW and Vic vineyards are in that hot zone (Riverina and Murray Darling/Swan Hill). Together with a small area in southern Queensland and the Swan District near Perth, those hot zones account for 60 percent of the country's vineyard area. Another one-third of the wine regions are in warm zones, and just 6 percent are in the cool zones such as the Adelaide Hills, Tasmania and the Yarra Valley (Table 1).

few do not supply any of either non-premium (Margaret River, Mornington, Tasmania) or super-premium (Murray Darling, Riverland, Riverina, Swan Hill and Mudgee/Cowra). Evidently, the distribution of prices tends to be further to the right the warmer the climate, as illustrated in Figure 15.

Conclusion

Clearly the wine regions of Australia make a major contribution to the regional economies that host them. Even though nationally the industry accounts for just 2 percent of agricultural output and 0.3 percent of national GDP, its export boom over the past two decades means that it now accounts for 10 percent of all rural exports and 1.5 percent of Australia's exports of all goods. In addition to much diversity across wine regions in terms of the industry's economic contribution, there is also a great deal of regional diversity in terms of climate and other aspects of terroir and hence in terms of the varietal and quality mixes of the winegrapes produced.¹⁰ Moreover, that latter diversity appears to be increasing over time as growers and winemakers become more familiar with the growing characteristics and potential of each region and indeed of each vineyard. That augers well for the industry's long-term future, because profits are more likely to be found through product differentiation than in producing standard commoditized wine in competition with lower-wage economies in other Southern Hemisphere countries and in Southern Europe.

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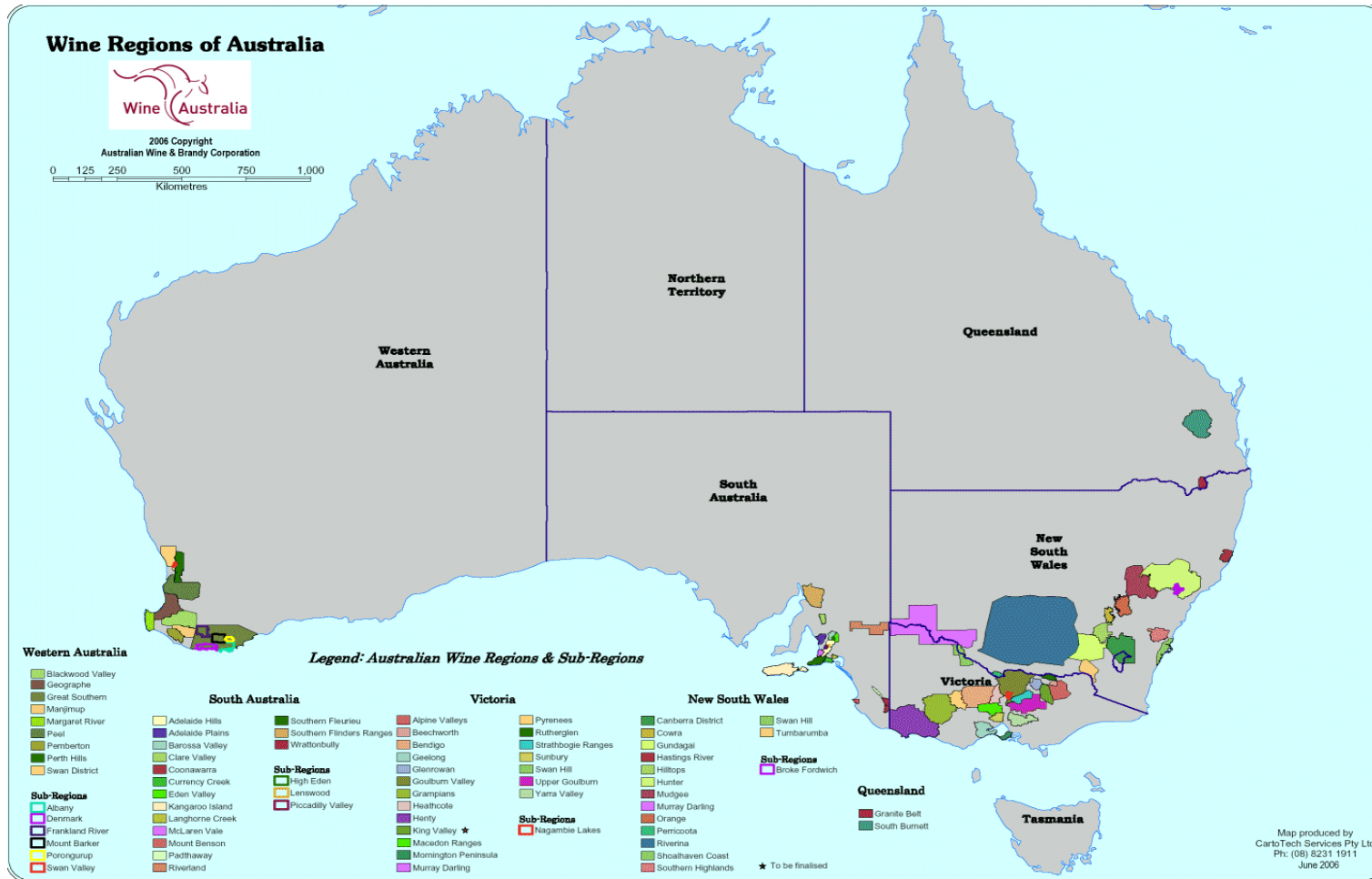
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¹⁰ That also means regions are affected differently from external shocks, as shown, for example, in a recent analysis of the regional impacts of a fall in wine export demand and prospective wine tax changes (Wittwer, Valenzuela and Anderson 2009).

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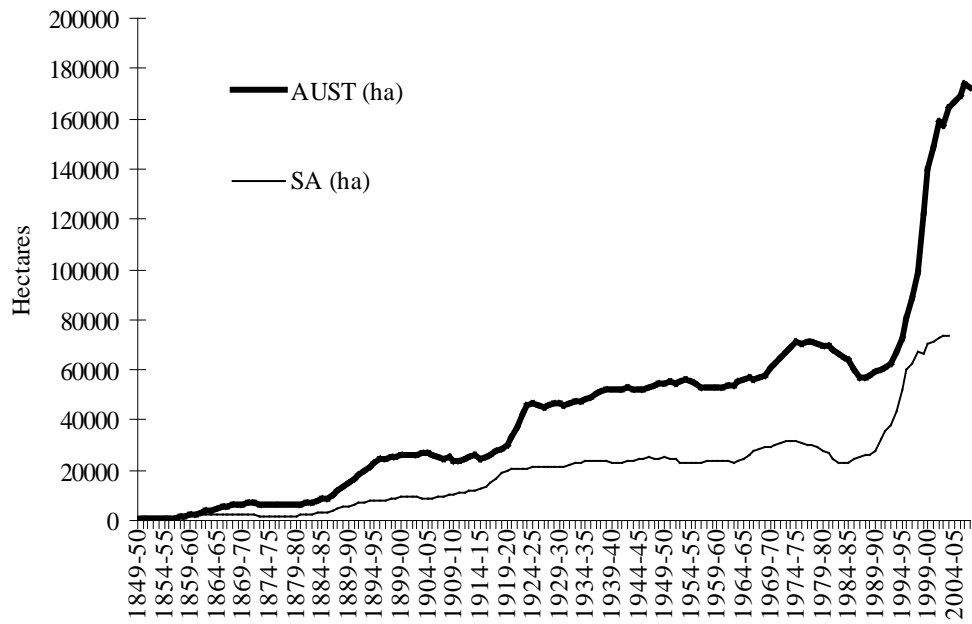
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Map: Australia's wine regions



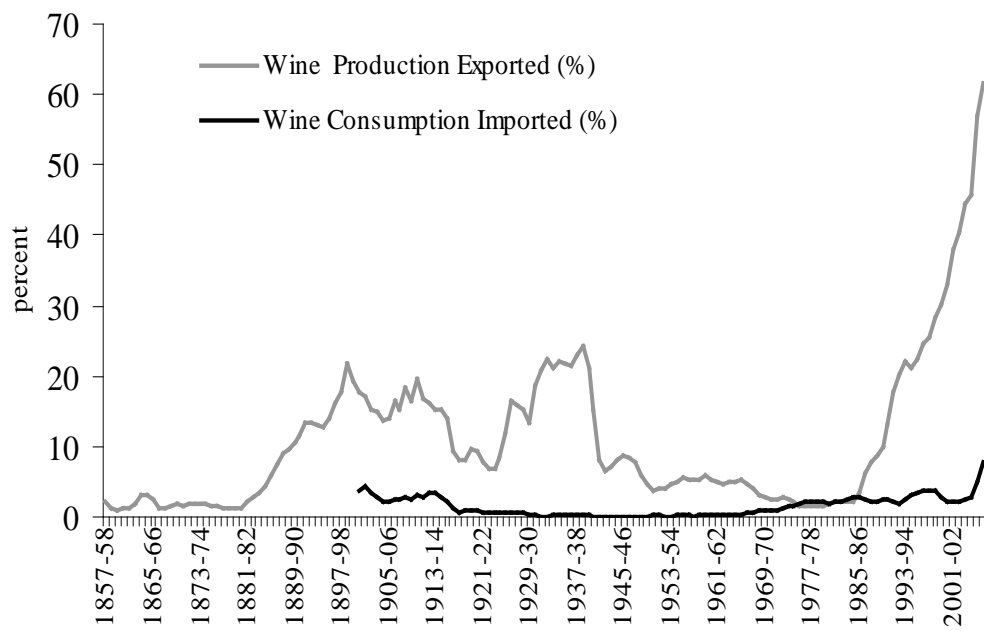
Source: Australian Wine and Brandy Corporation

Figure 1: Area of vineyards, Australia and South Australia, 1849-50 to 2007-08 (hectares)



Source: Updated from Osmond and Anderson (1998), using data from www.awbc.com.au

Figure 2: Shares of volume of wine production exported and of wine consumption imported, Australia, 1857-58 to 2007-08
(3-year moving average)



Source: Updated from Osmond and Anderson (1998), using data from www.awbc.com.au

Figure 3: Volume, average price and value of domestic and export sales of Australian wine, 1970-71 to 2007-08
(millions litres and Australian cents per litre)

(a) Domestic sales volume and price

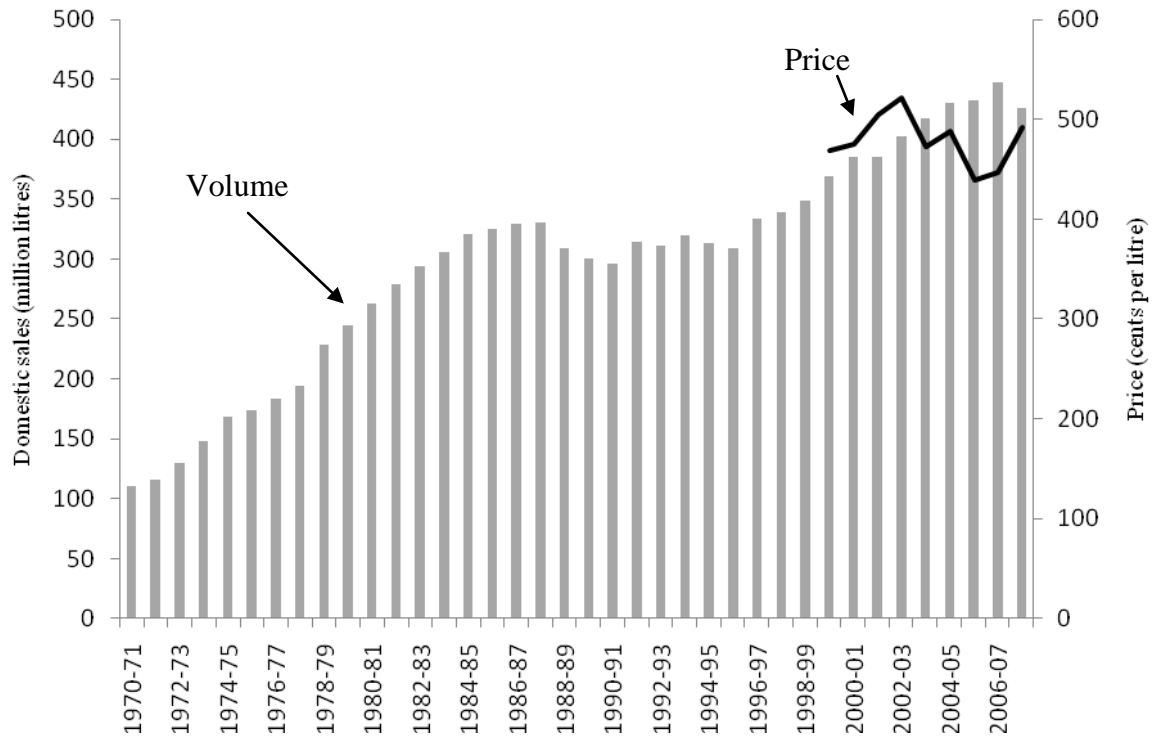


Figure 3 (continued): Volume, average price and value of domestic and export sales of Australian wine, 1970-71 to 2007-08

(millions litres and Australian cents per litre)

(b) Export sales volume and price

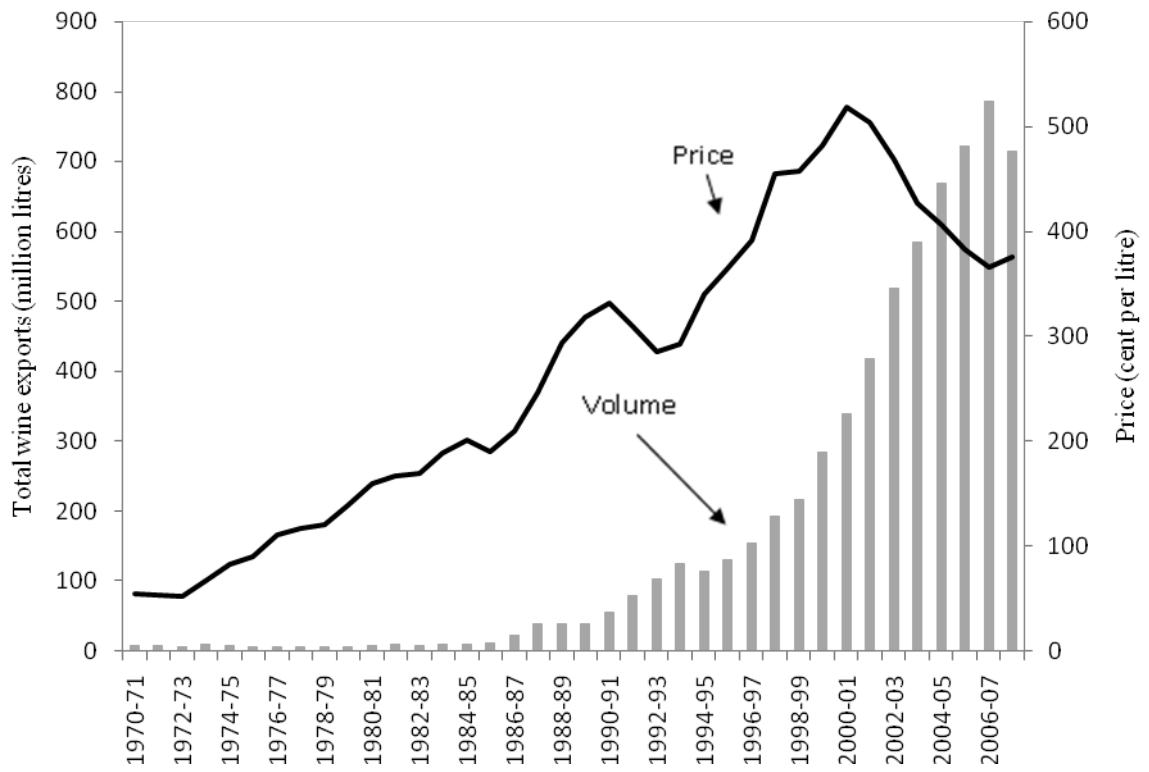
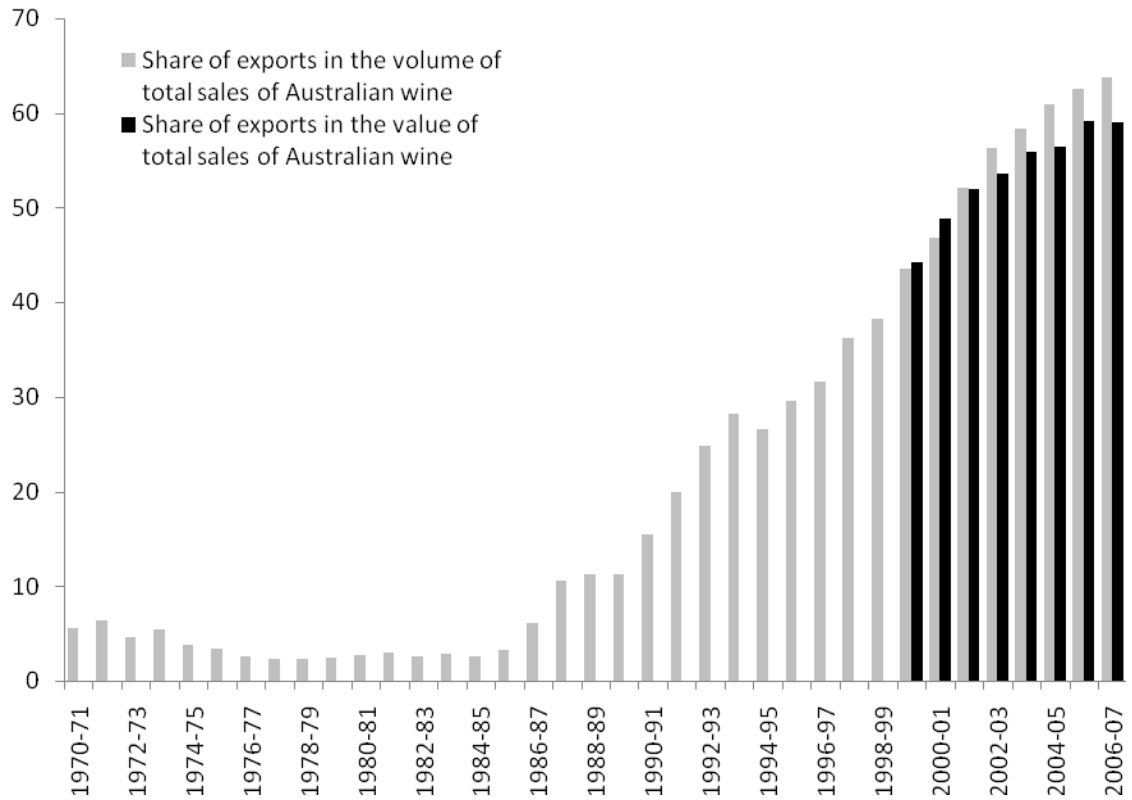


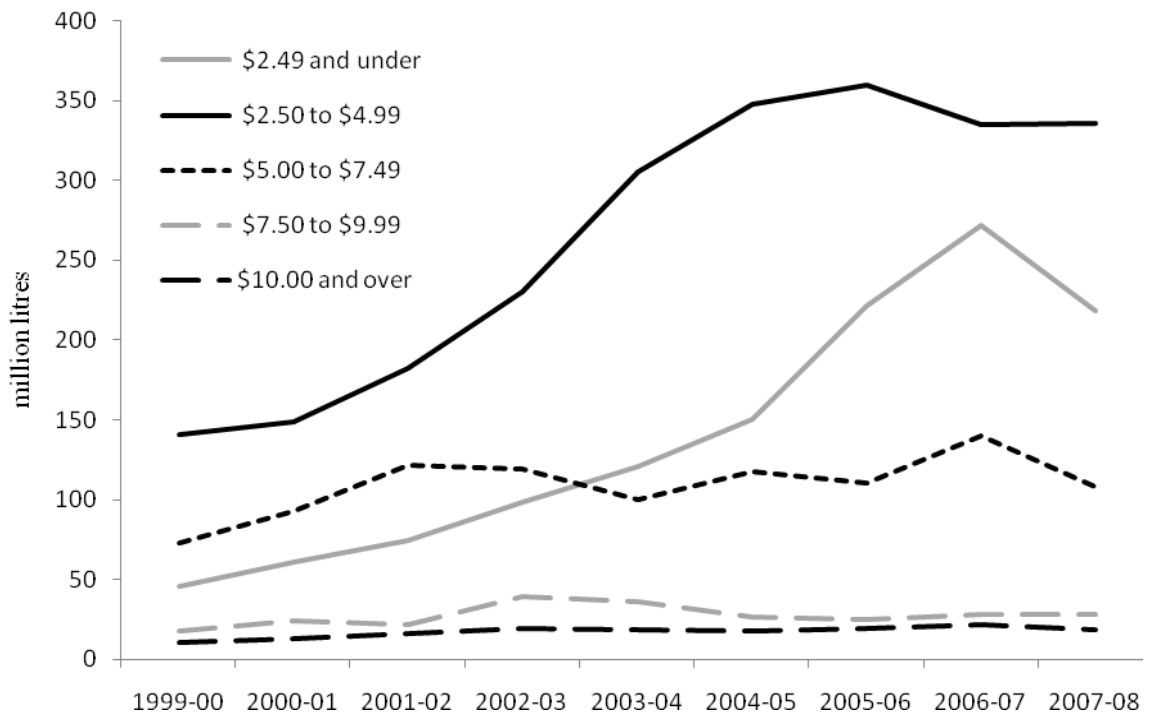
Figure 3 (continued): Volume, average price and value of domestic and export sales of Australian wine, 1970-71 to 2007-08

(c) Share of exports in the volume and value of total sales of Australian wine (percent)



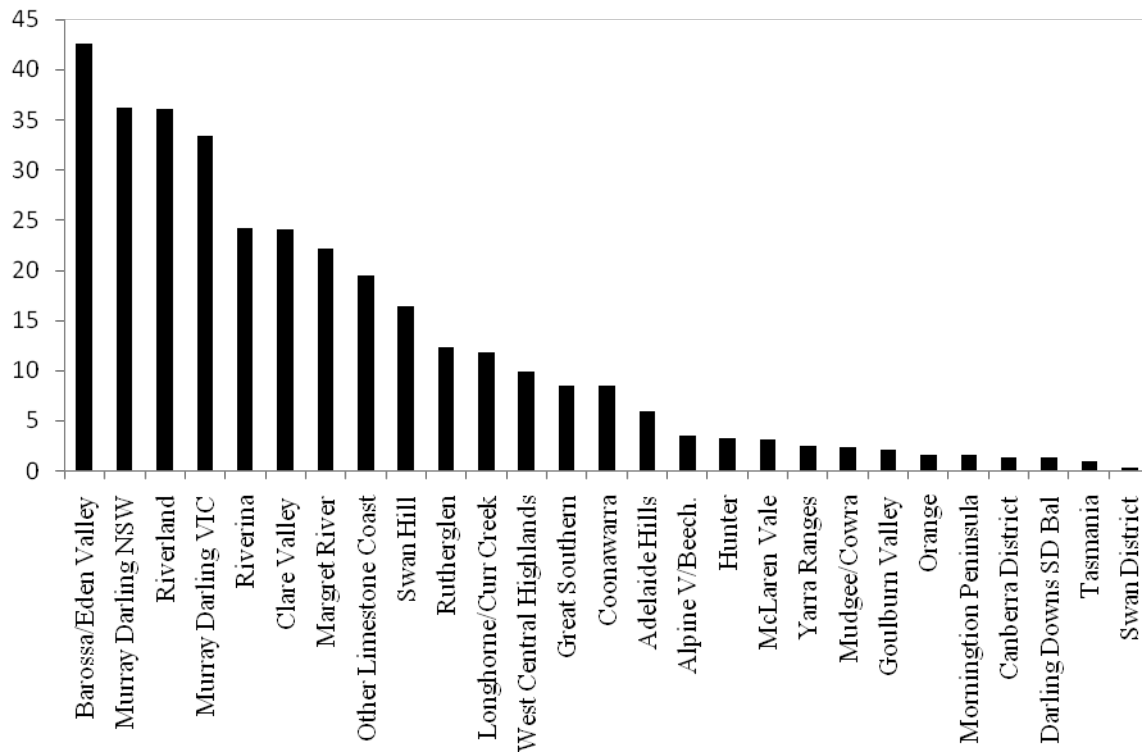
Source: Authors' derivation from data at www.awbc.com.au

Figure 4: Volumes of wine exports by price segment, Australia, 1999-00 to 2007-08



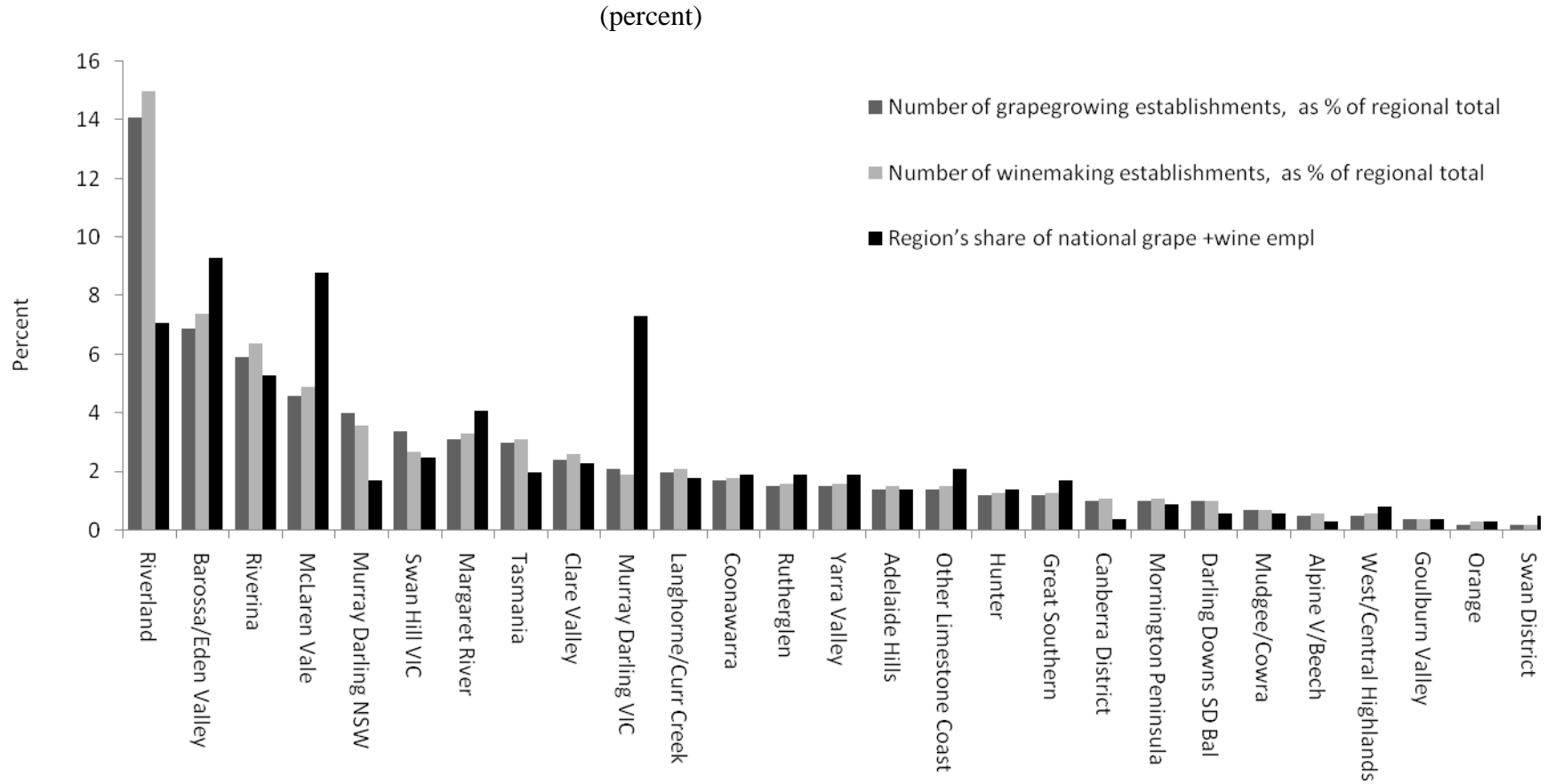
Source: Authors' derivation from data at www.awbc.com.au

Figure 5: Regional diversity in terms of grape and wine intensity of employment, 2006
 ((grape and wine's share of total employment in region relative to nationally))



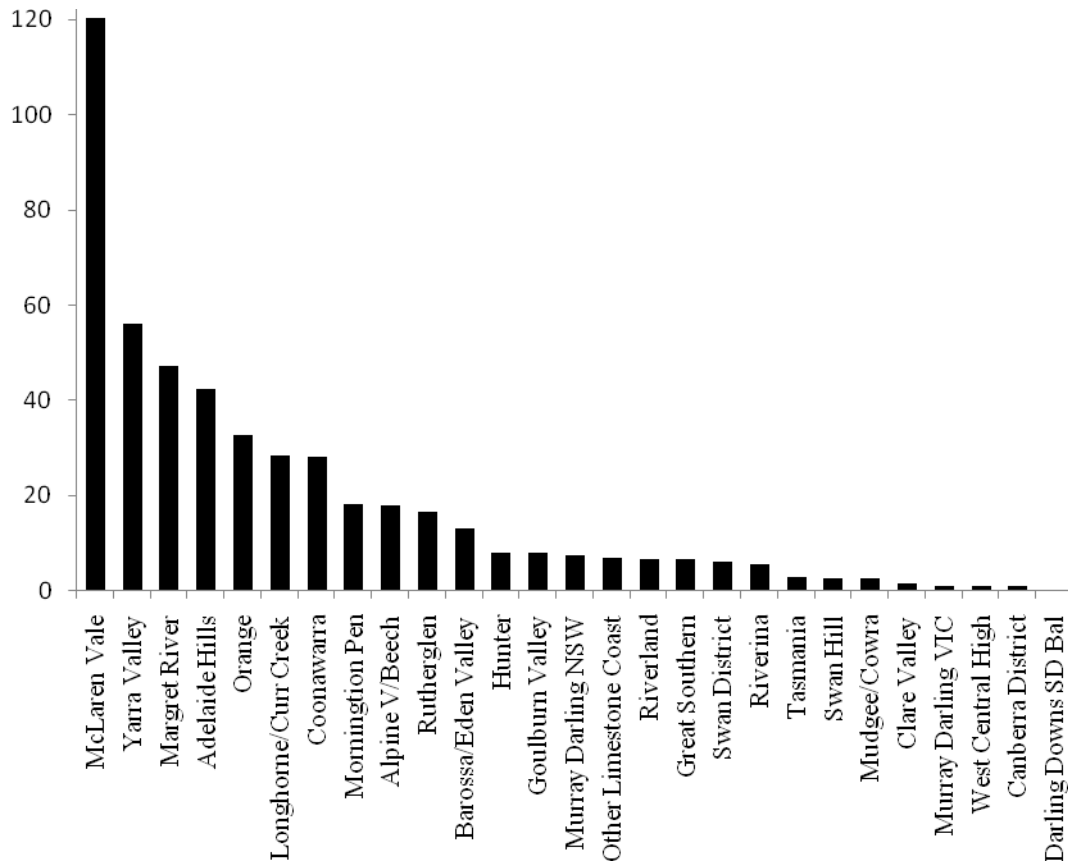
Source: Derived from census data in ABS (2008 and 2009).

Figure 6: Regional diversity in terms of shares of grapegrowing and winemaking establishments, 2008, and grape and wine employment nationally, 2006



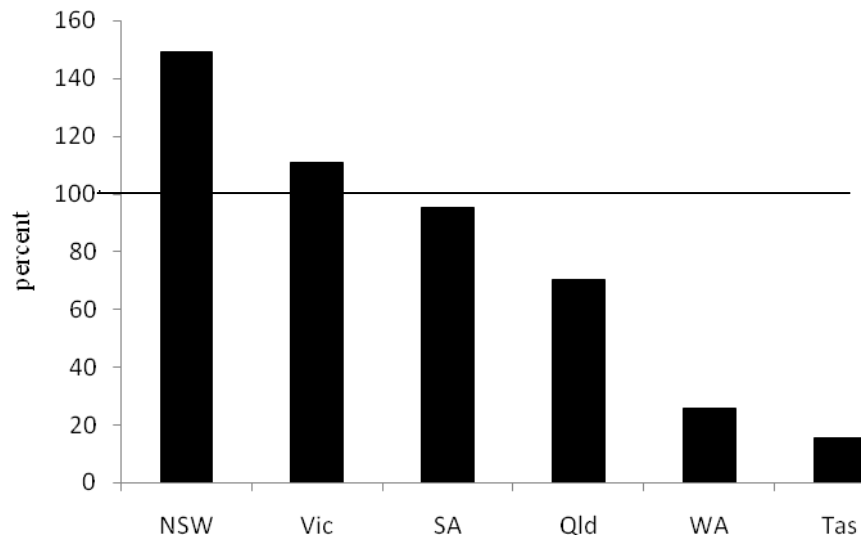
Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008 and employment data in the TERM Model database, based on the 2006 ABS census data

Figure 7: Regional diversity in terms of vine intensity of cropping, 2005-06
 (vine's share of crop area in region relative to nationally)



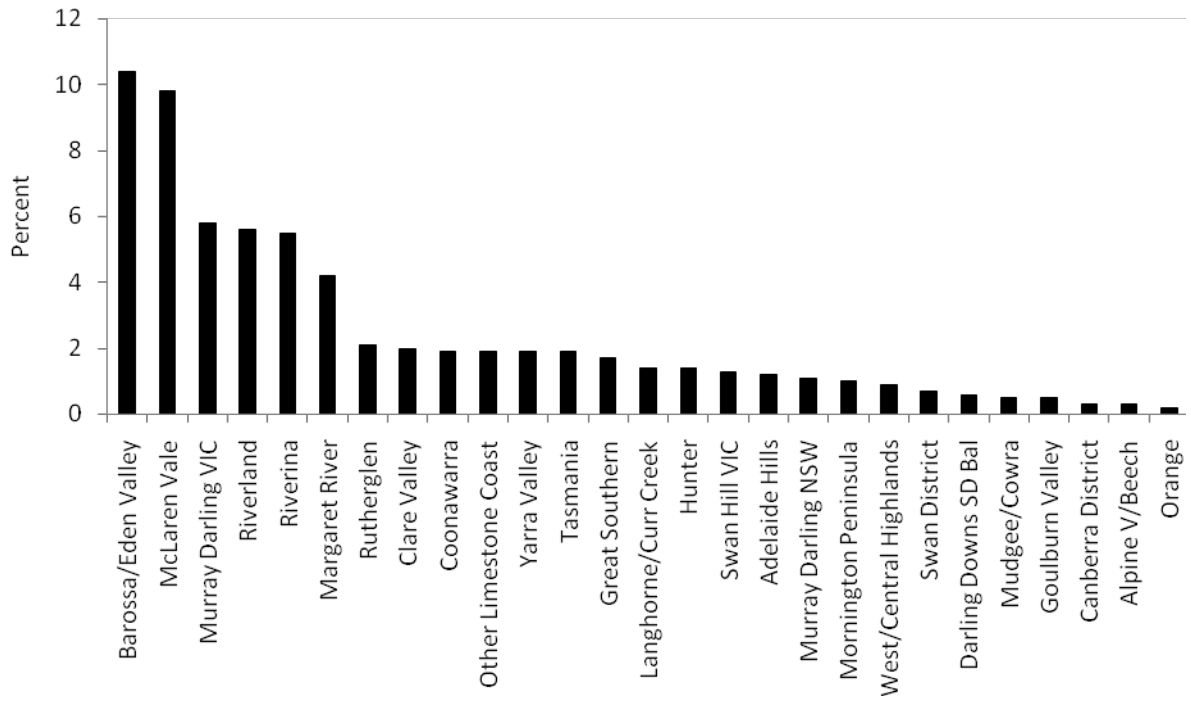
Source: Derived from census data in ABS (2008 and 2009).

Figure 8: Regional diversity in terms of irrigation intensity of vineyards, 2005-06
(vineyards' share of total agricultural irrigation water use per \$ of grape value added in each State relative to nationally)



Source: ABS census data summarized in ABS (2007)

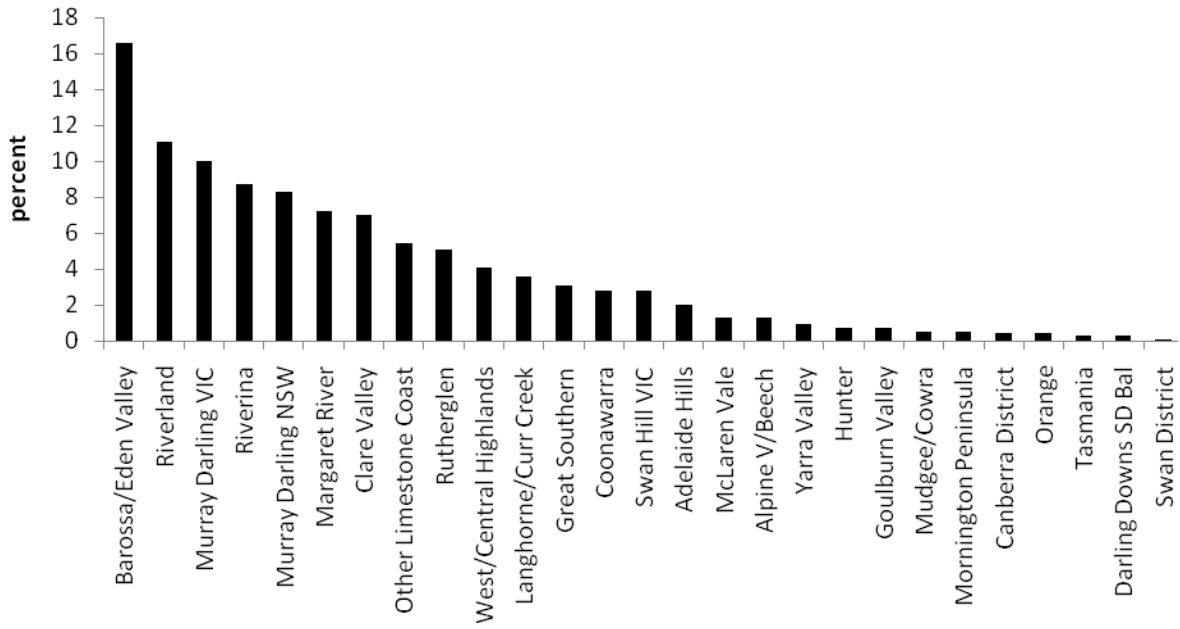
Figure 9: Regional share of national grape and wine value added (GDP), 2006
(percent)



Source: TERM Model database, based on ABS census data

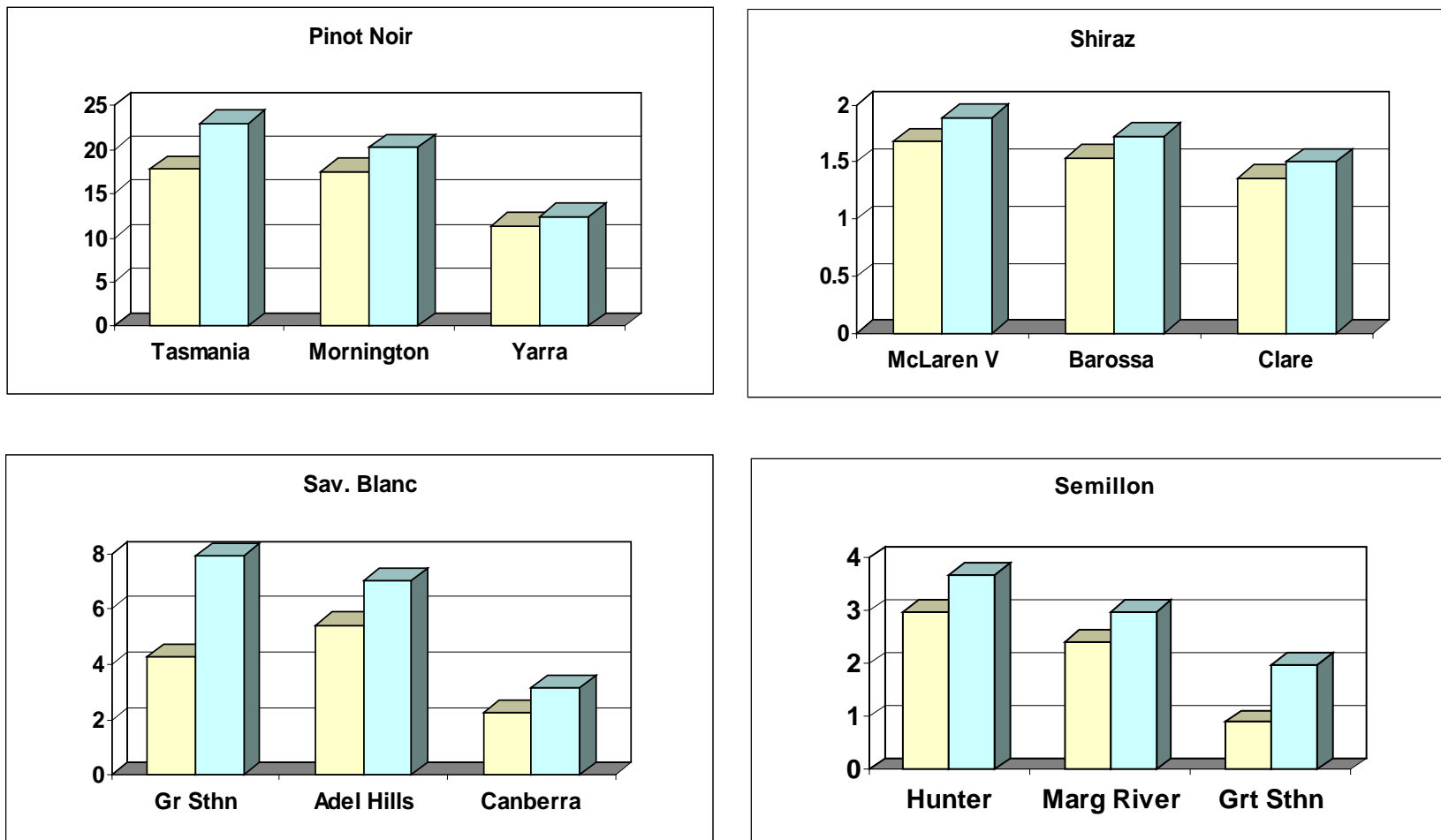
Figure 10: Regional diversity in terms of grape and wine share of value added (GDP) of total regional economy, 2006

(percent)



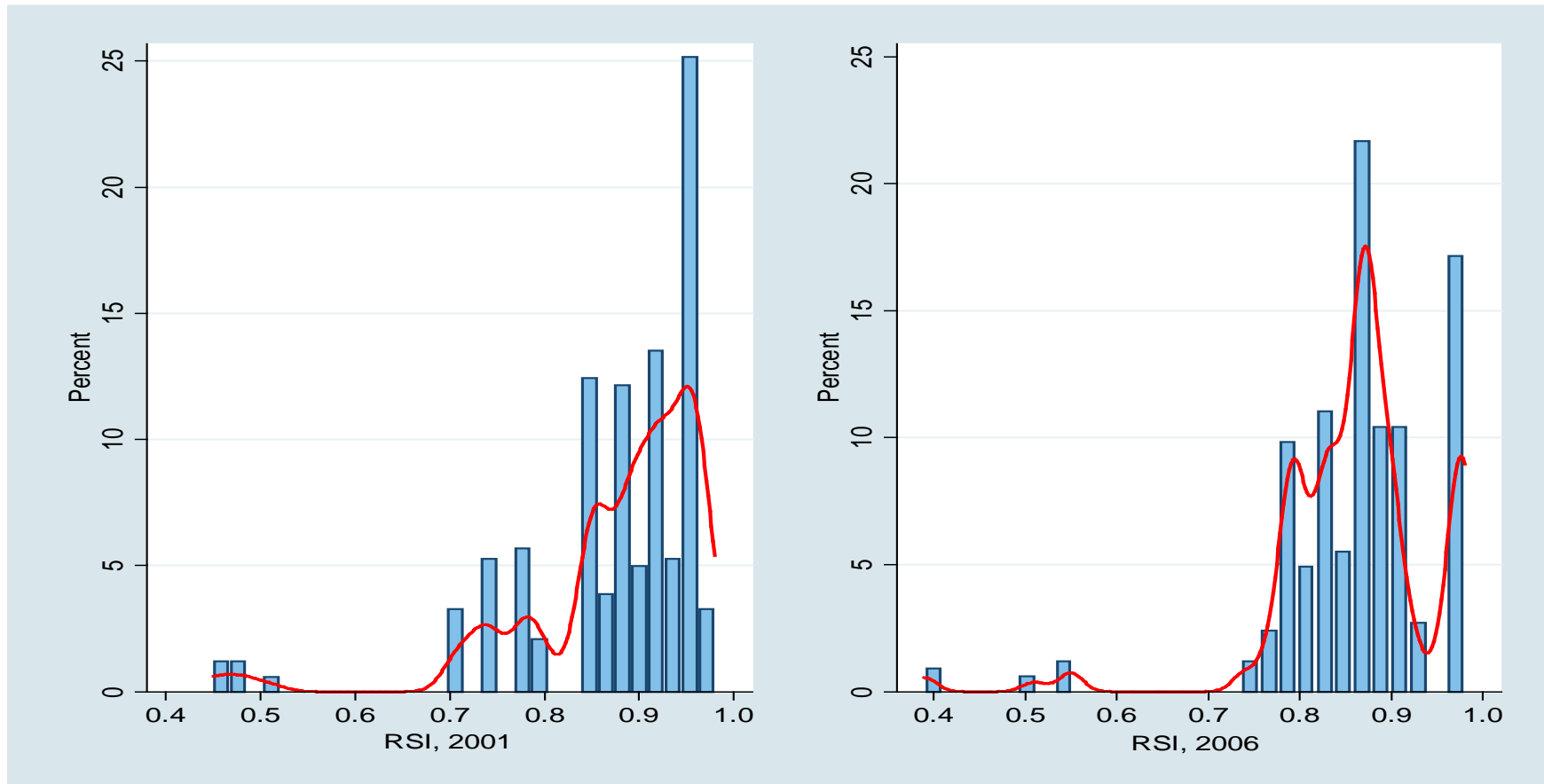
Source: TERM Model database, based on ABS census data

Figure 11: Varietal Intensity Index for selected varieties and regions in Australia, 2001 (left) and 2006 (right)



^a Distribution of the index across all regions in Table 3 except the 5 large Very Hot ones of Riverland SA, Riverina NSW, Murray Darling VIC, Murray Darling NSW and Swan Hill VIC. Source: Anderson (2009), based on data from AWBC (2009)

Figure 12: Regional diversity in terms of winegrape varieties (Regional Similarity Index), 2001 and 2006
 (percent of production with various Regional Similarity Index values)^a



^a Distribution of the index across all regions in Table 1 except the 5 large Very Hot ones of Riverland SA, Riverina NSW, Murray Darling VIC, Murray Darling NSW and Swan Hill VIC. In 2006 these excluded regions accounted for 61% of national production. The line drawn through the distribution is a Gaussian Kernel Function.
 Source and definition of RSI: Anderson (2009).

Figure 13: Average winegrape price, regionally and across price points, and regional quality index, 2001 and 2008

(a) Regional average winegrape price (A\$ per tonne) , 2008

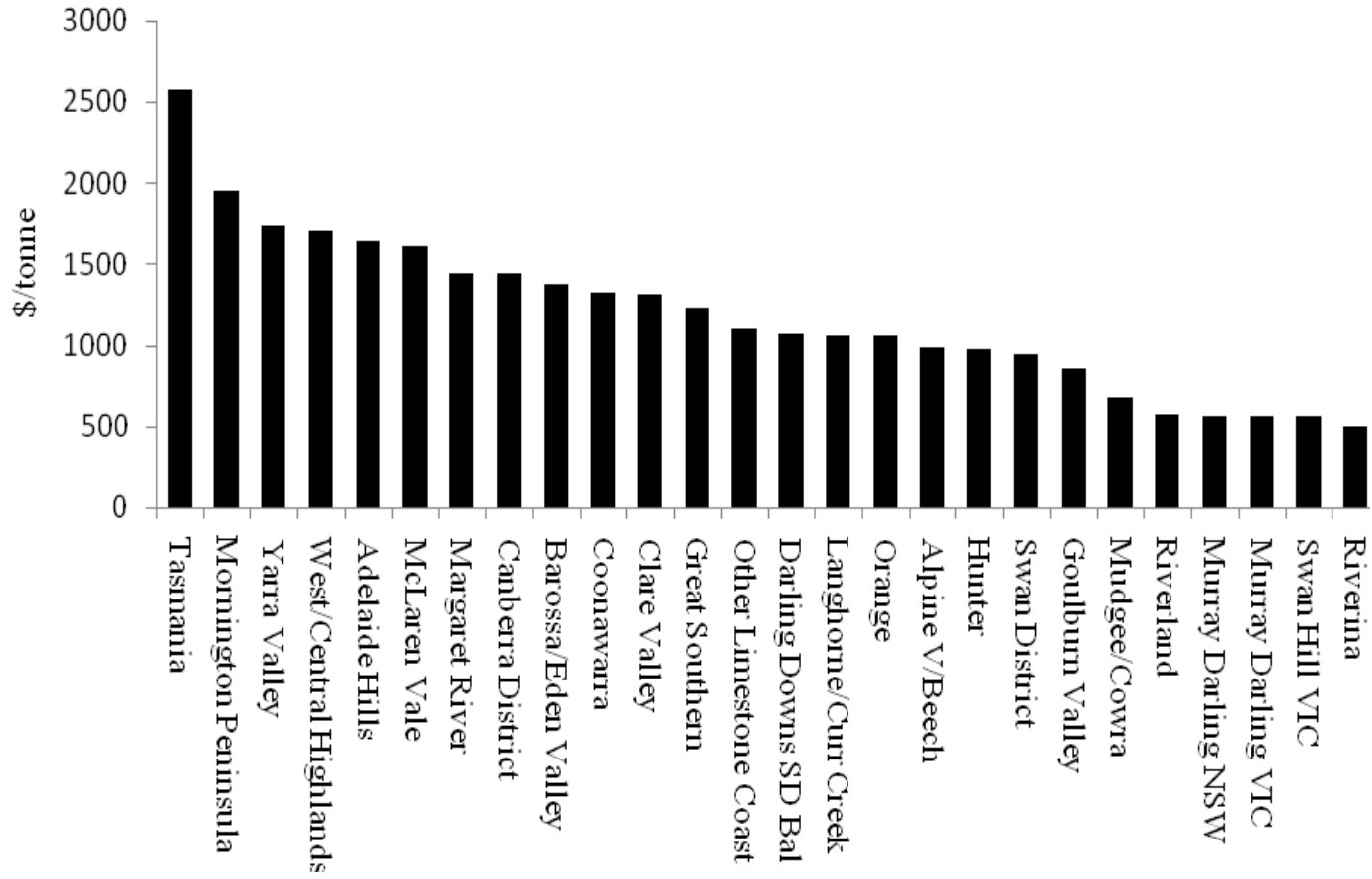


Figure 13 (continued): Average winegrape price, regionally and across price points, and regional quality index, 2001 and 2008

(b) Distribution of winegrape prices across price points nationally, percent, 2008

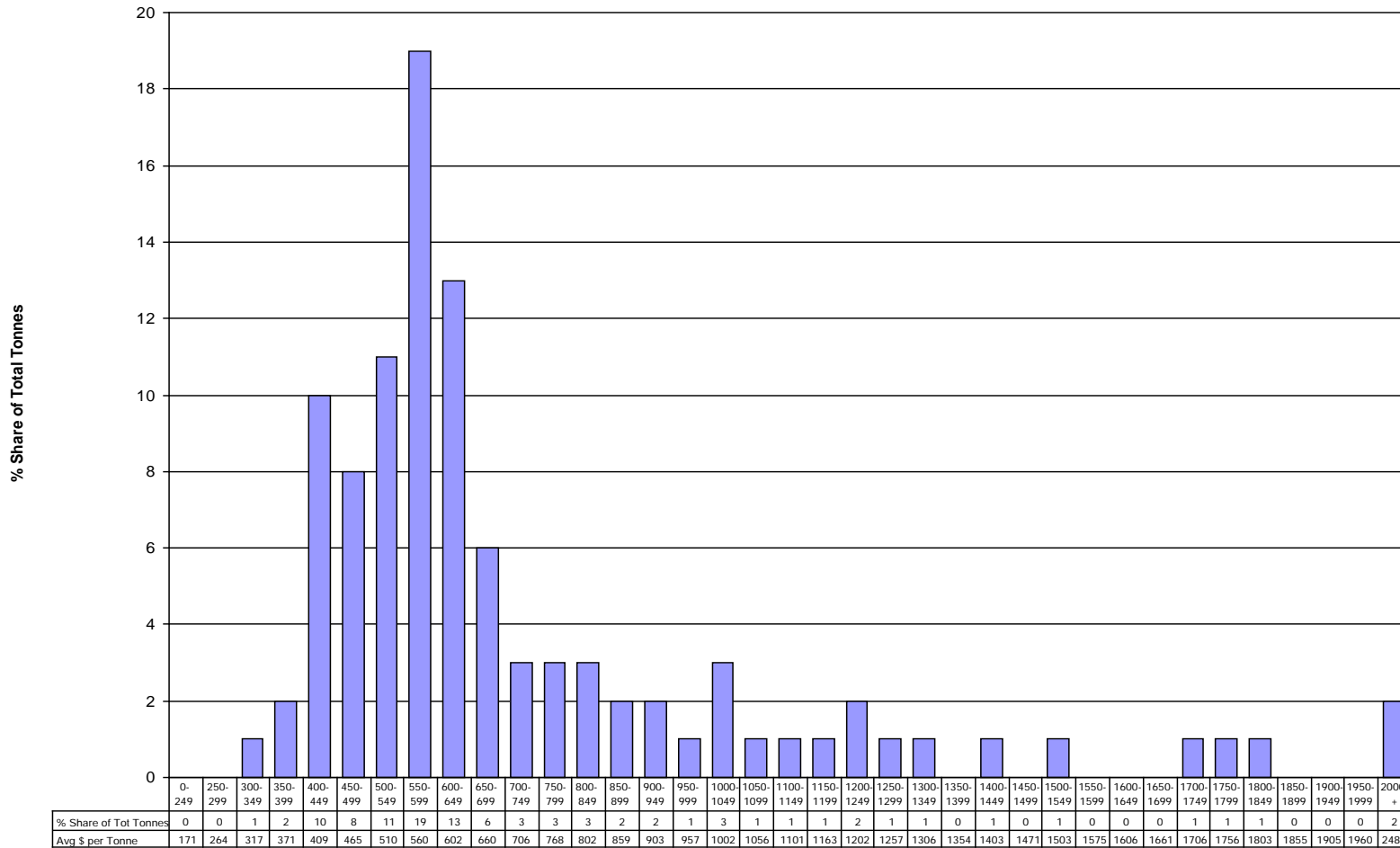
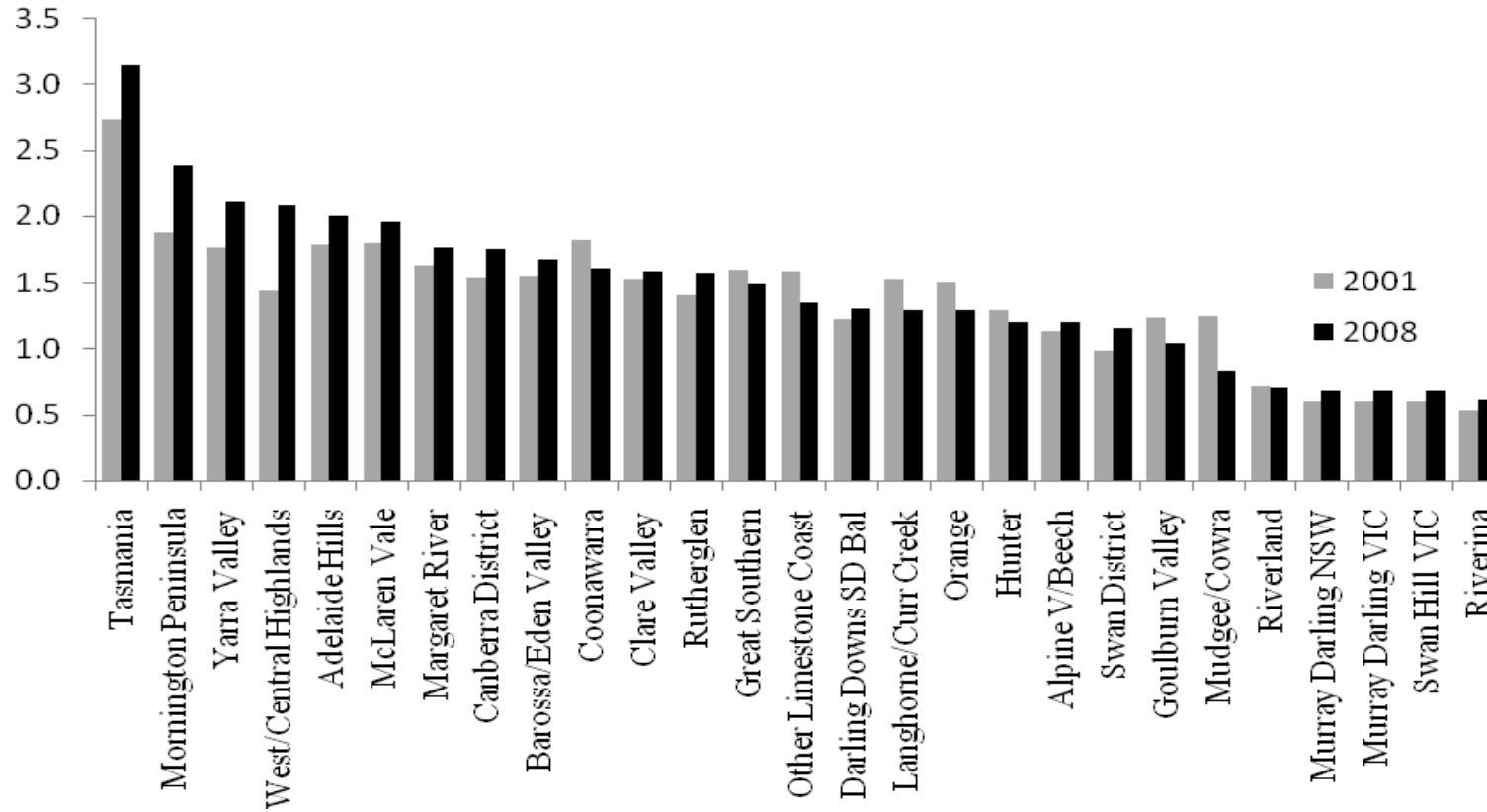


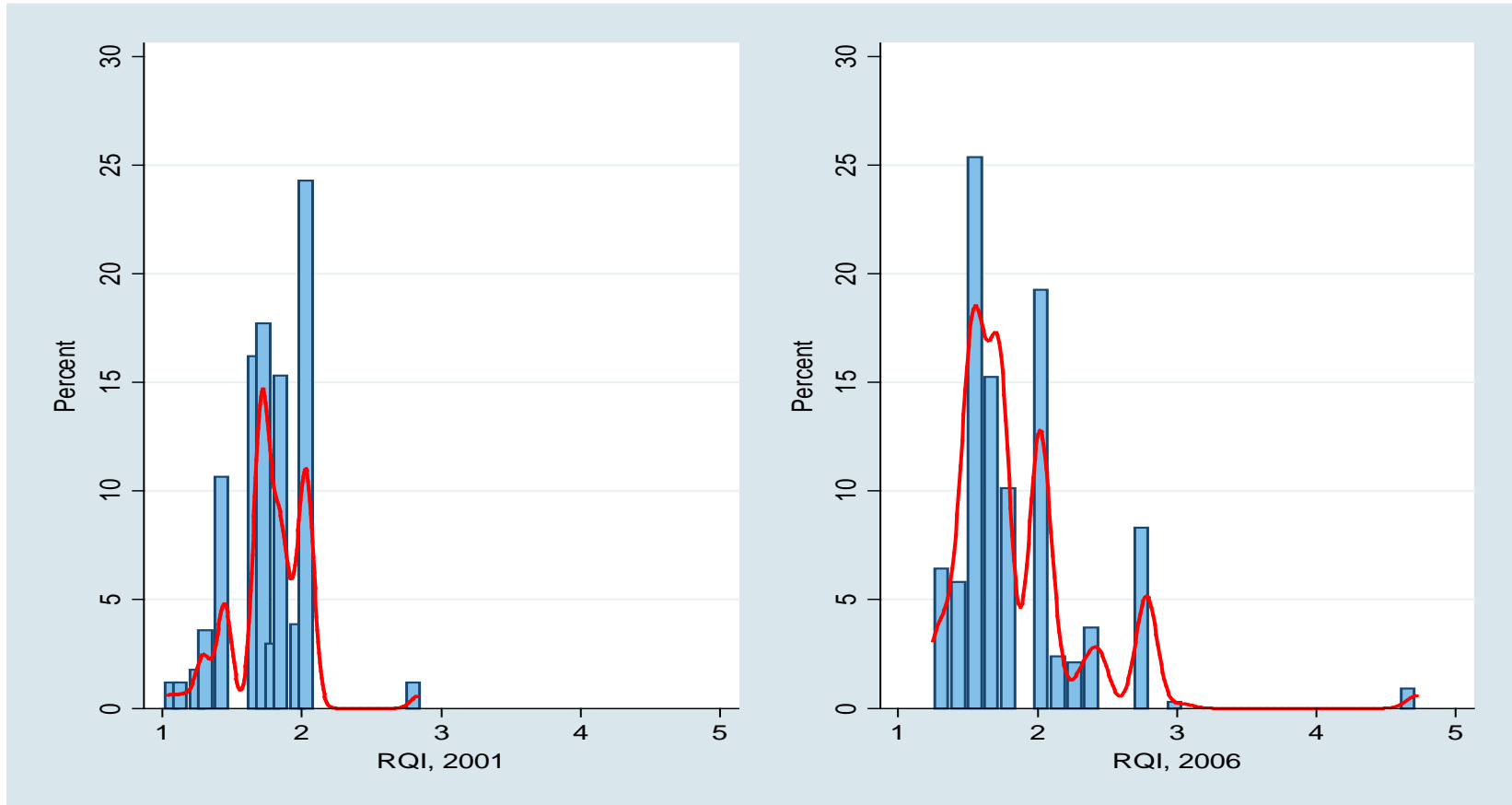
Figure 13 (continued): Average winegrape price, regionally and across price points, and regional quality index, 2001 and 2008

(c) Regional Quality Index (regional price relative to national average)



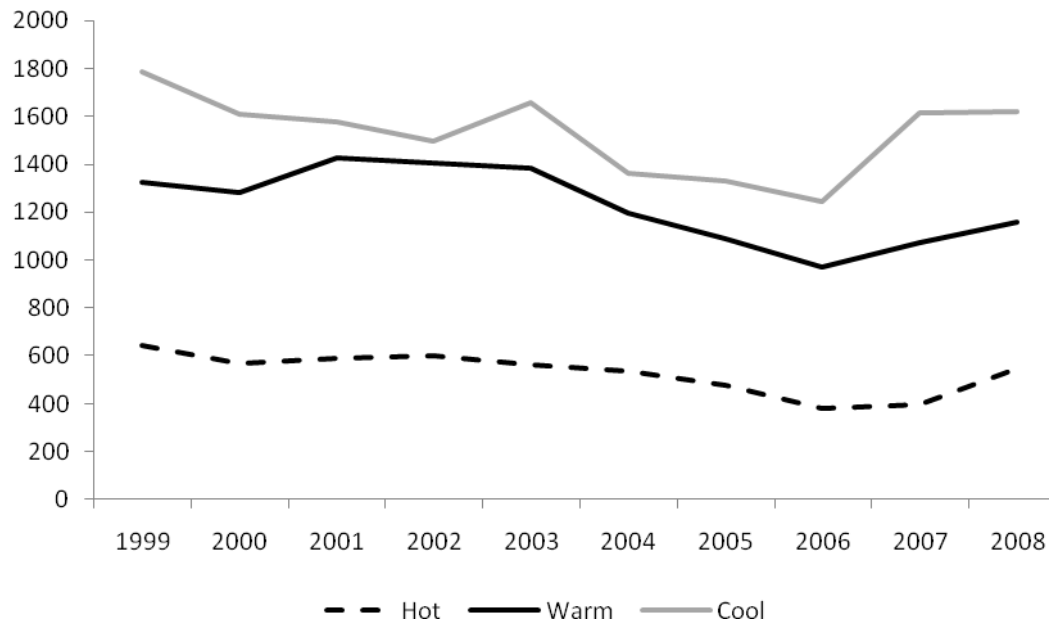
Source: Based on national price and utilization survey data from AWBC (2009).

Figure 14: Regional diversity in terms of average winegrape price (Regional Quality Index), 2001 and 2006
(percent of national volume of production)



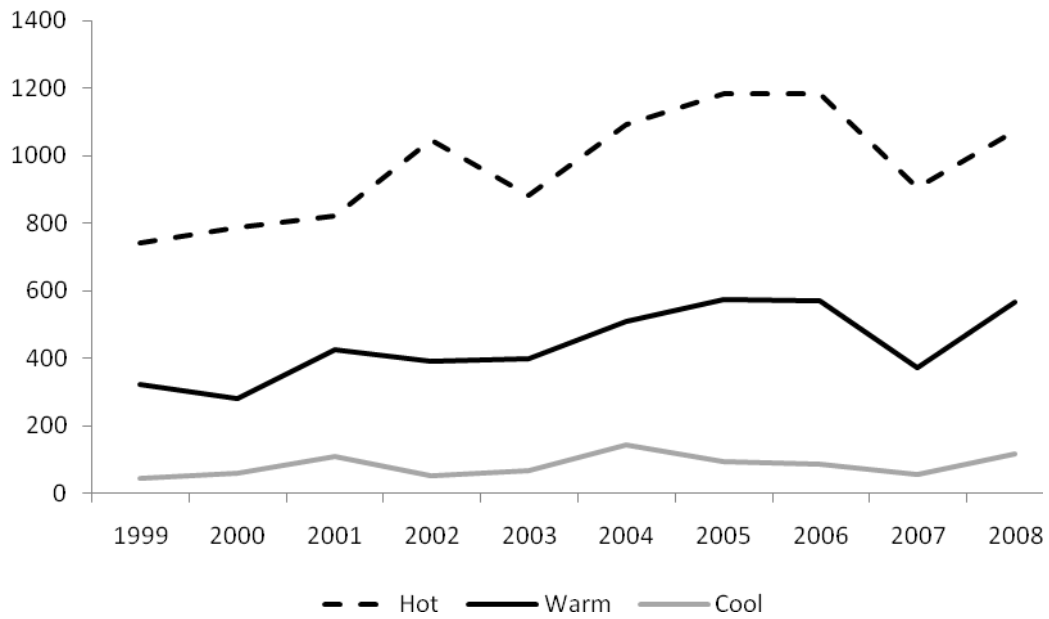
^aDistribution of the index across all regions in Table 1 except the 5 warm-climate ones of Riverland SA, Riverina NSW, Murray Darling VIC, Murray Darling NSW and Swan Hill VIC. In 2006 these excluded regions accounted for 61 percent of national production and their average regional quality index (RQI) is 0.79 in 2001 and 0.66 in 2006. All other regions have an RQI above 1 and their weighted average RQI is 1.85 in 2001 and 1.80 in 2006. The line drawn through the distribution is a Gaussian Kernel Function.
Source: Anderson (2009).

Figure 15: Average price of winegrape production, by climate zone, 1999 to 2008
(\$ per tonne)



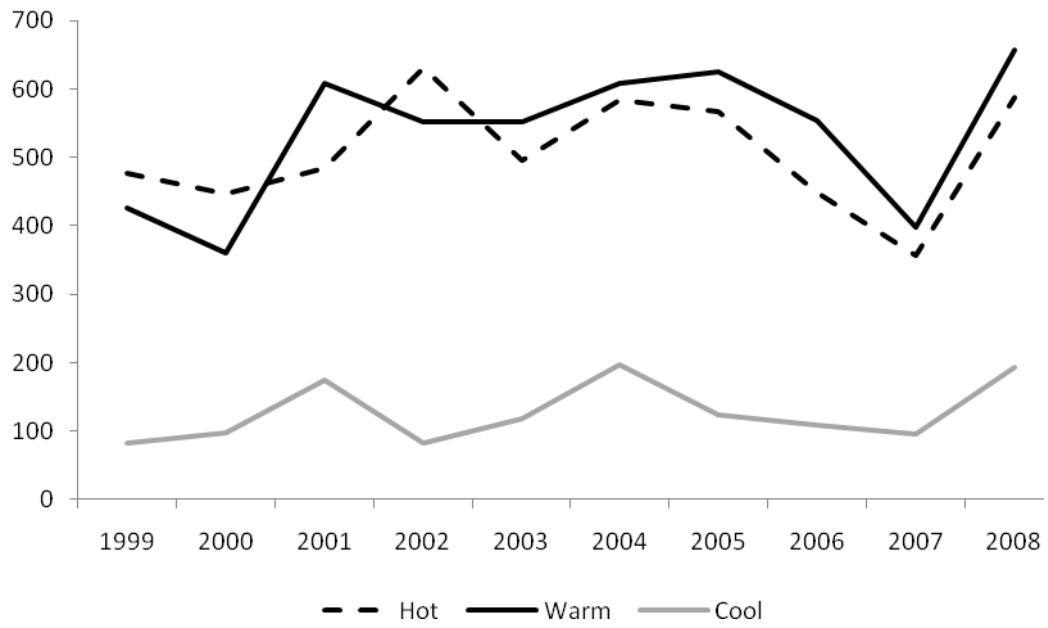
Source: Based on national price and utilization survey data from AWBC (2009).

Figure 16: Volume of winegrape production, by climate zone, 1999 to 2008 (kilotonnes)



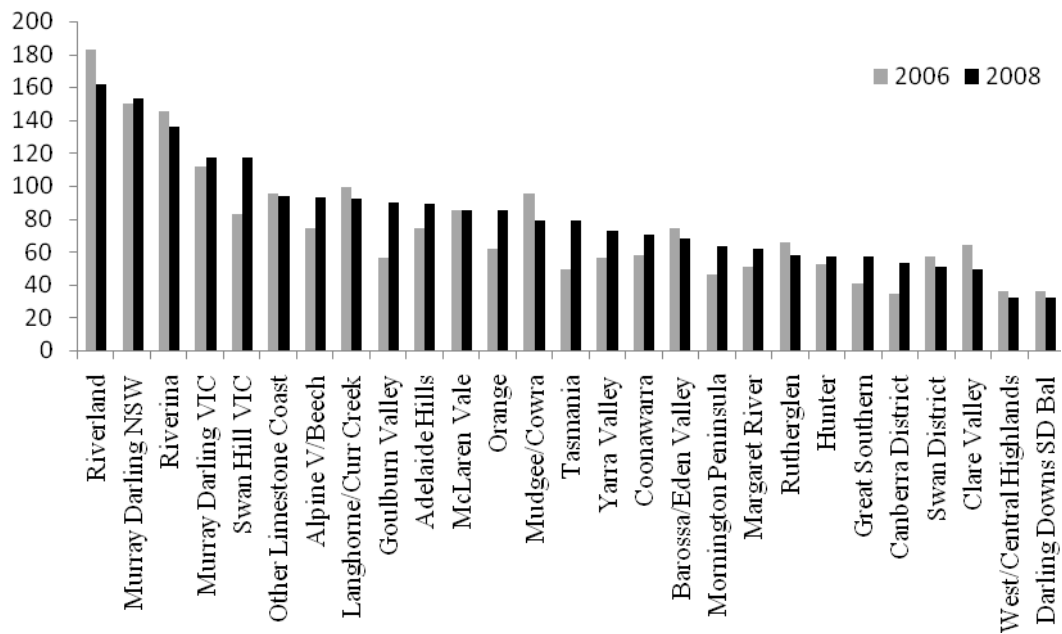
Source: Based on national price and utilization survey data from AWBC (2009).

Figure 17: Value of winegrape production, by climate zone, 1999 to 2008
(\$million)



Source: Based on national price and utilization survey data from AWBC (2009).

Figure 18: Regional diversity in terms of winegrape yield per hectare, 2006 and 2008 (relative to national average yield which is indexed at 100)



Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008

Table 1: Key GI regions and their corresponding ABS Statistical Sub-divisions, 2006

GI region	ABS Statistical Sub-division (SSD) name	SSD No.	Climatic zone ^a	% of national area of bearing vineyards for wine, 2008	% of national GDP, 2006	% of national population, 2006
South Australia						
Adelaide Hills	Mt Lofty Ranges	41015	C	2.3	0.2	0.2
Barossa/Eden Valley	Barossa	41005	W	7.1	0.2	0.2
Clare Valley	Lower North	41510	W	2.8	0.1	0.1
Coonawarra	Lower South East	42510	C	3.8	0.2	0.2
Langhorne/Curr Creek/SF	Fleurieu	41020	W	4.2	0.1	0.2
McLaren Vale	Southern Adelaide	40520	W	3.6	1.4	1.6
Other Limestone Coast ^b	Upper South East	42505	W	4.3	0.1	0.1
Riverland	Riverland	42005	H	12.9	0.2	0.2
Other SA			W	1.6	4.0	4.8
TOTAL SA				42.6	6.4	7.6
New South Wales						
Canberra District	Southern Tablelands	14510	C	0.2	0.3	0.3
Hunter	Hunter	11010	W	2.4	0.6	0.5
Mudgee/Cowra	Central Tablelands part	13505+ 14015	W	3.3	0.3	0.3
Murray Darling NSW	Murray Darling	15520	H	4.6	0.0	0.0
Orange	Orange	14005+ 14010	W	0.9	0.2	0.2
Riverina	Lower Murrumbidgee	15015	H	10.9	0.2	0.2
Other NSW			W	3.0	31.4	31.4
TOTAL NSW				25.2	33.0	33.0
Victoria						
Alpine V/Beech	East Ovens - Murray	24515	C	0.6	0.1	0.2
Goulburn Valley	South West Goulburn	24020	W	0.9	0.2	0.2
Mornington Pen.	Mornington Pen. Shire	20590	C	0.4	0.6	0.6
Murray Darling VIC	West Mallee	23010	H	9.4	0.2	0.0
Rutherglen	West Ovens - Murray	24510	W	0.6	0.1	0.2
Swan Hill	East Mallee	23015	H	3.6	0.1	0.2
West Central High	WestCentral Highlands	22015	C	0.8	0.1	0.1
Yarra Valley	Yarra Ranges Shire A	20560	C	1.6	0.7	0.8
Other VIC			W	3.8	21.9	22.4
TOTAL VIC				21.7	23.9	24.7

Table 1 (cont.): Key GI regions and their corresponding ABS Statistical Sub-divisions, 2006

GI region	SSD name	SSD No.	Climatic zone ^a	% of national area of bearing vineyards for wine, 2008	% of national GDP, 2006	% of national population, 2006
Western Australia						
Great Southern	King	515+520	W	1.9	0.2	0.2
Margaret River	Vasse	51015	W	3.2	0.2	0.2
Swan District	North Metropolitan	50515	H	0.7	2.4	2.2
Other WA			W	1.9	9.9	7.3
TOTAL WA				7.7	12.7	10.0
Tasmania	Tasmania		C	0.7	1.8	2.4
Queensland						
Darling Downs SD Bal		32005	W	0.4	0.5	0.5
Other QLD			H	1.5	18.4	19.3
TOTAL QLD				1.9	19.0	19.8
NT+ACT			W	0.2	3.3	2.6
Australia						
Above 27 GIs				88.0	11.1	12.0
Other (6) regions				12.0	88.9	88.0
Australia, Total				100	100	100
CLIMATIC ZONES						
Hot			H	10	21	22
Warm			W	46	75	73
Cool			C	10	4	5

^a Hot zone: Mean January and February temperatures each above 23°C and Growing Degree Days above 2200; Cool zone: Mean January and February temperatures each below 20°C and Growing Degree Days below 1550. The beneficial effect of a large diurnal temperature range also was considered, but it did not cause any change to the above classification of regions into H, W and C.

^b Padthaway, Mt. Benson and Wrattenbully

Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008 and, for climate data by zone, the careful assembly of climate information by Webb (2006, Tables 53 and 54).

Table 2: Number of grapegrowing establishments, and national shares, by region, 2008

	Number of grapegrowing establishments, total	Number of grapegrowing establishments, as % of national total
Adelaide Hills	111	1.4
Barossa/Eden Valley	545	6.9
Clare Valley	192	2.4
Coonawarra	133	1.7
Langhorne/Curr Creek	157	2.0
McLaren Vale	362	4.6
Other Limestone Coast	113	1.4
Riverland	1114	14.1
SA Other	179	2.3
SA Total	2906	36.8
Canberra District	81	1.0
Hunter	94	1.2
Mudgee/Cowra	57	0.7
Murray Darling NSW	317	4.0
Orange	19	0.2
Riverina	466	5.9
NSW Other	509	6.4
NSW Total	1543	19.5
Alpine V/Beech	41	0.5
Goulburn Valley	35	0.4
Mornington Peninsula	78	1.0
Murray Darling VIC	165	2.1
Rutherglen	119	1.5
Swan Hill VIC	269	3.4
West/Central Highlands	43	0.5
Yarra Valley	116	1.5
Vic Other	1375	17.4
Vic Total	2241	28.3
Great Southern	96	1.2
Margaret River	243	3.1
Swan District	16	0.2
WA Other	441	5.6
WA Total	796	10.1
Tasmania	235	3.0
Darling Downs SD Bal	80	1.0
Qld Other	104	1.3
Qld Total	184	2.3
Total regions studied	5297	67
Total other regions	2618	33
Total Australia	7915	100
Climatic Zones		
Hot climate	2451	31
Warm climate	4626	58
Cool climate	838	11

Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008

Table 3: Number employed in grapegrowing and winemaking, and national shares, by region, 2006

	Grape emplt, persons	Wine emplt, persons	Grape share of total ag emplt (%)	Grape & wine share of total emplt (%)	Region's share of national grape emplt (%)	Region's share of national wine emplt (%)	Region's share of national grape +wine emplt(%)
Adelaide Hills	193	197	15.8	1.9	1.7	1.1	1.4
Barossa/Eden Valley	788	1889	36.7	13.4	7.0	10.8	9.3
Clare Valley	336	312	14.3	7.6	3.0	1.8	2.3
Coonawarra	218	321	10.0	2.7	1.9	1.8	1.9
Langhorne/Curr Creek	309	204	21.2	3.7	2.8	1.2	1.8
McLaren Vale	719	1803	32.2	1.0	6.4	10.3	8.8
Other Limestone Coast	266	325	9.3	6.1	2.4	1.9	2.1
Riverland	1197	835	30.4	11.4	10.7	4.8	7.1
SA Other	305	753	2.6	0.3	2.7	4.3	3.7
SA Total	4329.8	6640.5	14.3	1.6	38.6	37.9	38.2
Canberra District	66	52	1.5	0.4	0.6	0.3	0.4
Hunter	146	256	4.0	1.0	1.3	1.5	1.4
Mudgee/Cowra	72	87	2.4	0.7	0.6	0.5	0.6
Murray Darling NSW	348	130	32.1	11.4	3.1	0.7	1.7
Orange	36	38	9.4	0.5	0.3	0.2	0.3
Riverina	503	1009	13.9	7.6	4.5	5.8	5.3
NSW Other	703	1988	1.2	0.1	6.3	11.4	9.4
NSW Total	1872.9	3560.2	2.4	0.2	16.7	20.3	18.9
Alpine V/Beech	22	58	1.9	1.1	0.2	0.3	0.3
Goulburn Valley	47	80	4.1	0.6	0.4	0.5	0.4
Mornington Peninsula	86	185	9.2	0.5	0.8	1.1	0.9
Murray Darling VIC	1220	865	61.7	10.6	10.9	4.9	7.3
Rutherglen	169	380	11.7	3.9	1.5	2.2	1.9
Swan Hill VIC	634	95	17.8	5.2	5.7	0.5	2.5
West/Central Highlands	65	161	4.1	3.1	0.6	0.9	0.8
Yarra Valley	207	338	13.3	0.8	1.8	1.9	1.9
Vic Other	798	2148	1.6	0.1	7.1	12.3	10.3
Vic Total	3248.2	4308.3	5.1	0.3	29.0	24.6	26.3
Great Southern	205	292	9.3	2.7	1.8	1.7	1.7
Margaret River	456	725	33.5	7.0	4.1	4.1	4.1
Swan District	23	130	1.7	0.1	0.2	0.7	0.5
WA Other	527	722	2.2	0.2	4.7	4.1	4.3
WA Total	1209.8	1868.9	4.1	0.3	10.8	10.7	10.7
Tasmania	232	346	2.7	0.3	2.1	2.0	2.0
Darling Downs SD Bal	72	103	0.7	0.4	0.6	0.6	0.6
Qld Other	215	605	0.4	0.0	1.9	3.5	2.9
Qld Total	286.4	708.6	0.5	0.1	2.6	4.0	3.5
Total regions studied	8632	11217	11.7	1.4	77.0	64.1	69.1
Total other regions	2,581	6,288	1.3	0.1	23.0	35.9	30.9
Total Australia	11213	17504	4.1	0.3	100	100	100
Climatic Zones							
Hot climate	4140	3670	6.0	3.4	37	21	27
Warm climate	5986	12177	3.4	0.3	53	70	63
Cool climate	1088	1658	5.0	0.7	10	9	10

Source: TERM Model database, based on ABS census data

Table 4: Grape and wine employment intensity,^a by region, 2006

	Grape's share of total agricultural employment in region relative to nationally	Grape and wine's share of total employment in region relative to nationally
Adelaide Hills	3.8	5.9
Barossa/Eden Valley	8.8	42.6
Clare Valley	3.4	24.0
Coonawarra	2.4	8.4
Langhorne/Curr Creek	5.1	11.7
McLaren Vale	7.8	3.1
Other Limestone Coast	2.3	19.5
Riverland	7.3	36.1
SA Other	0.6	1.0
SA Total	3.5	5.0
Canberra District	0.4	1.2
Hunter	1.0	3.2
Mudgee/Cowra	0.6	2.3
Murray Darling NSW	7.7	36.2
Orange	2.3	1.5
Riverina	3.3	24.2
NSW Other	0.3	0.3
NSW Total	0.6	0.6
Alpine V/Beech	0.5	3.5
Goulburn Valley	1.0	2.0
Mornington Peninsula	2.2	1.5
Murray Darling VIC	14.9	33.4
Rutherglen	2.8	12.3
Swan Hill VIC	4.3	16.4
West/Central Highlands	1.0	9.9
Yarra Valley	3.2	2.5
Vic Other	0.4	0.5
Vic Total	1.2	1.1
Great Southern	2.2	8.5
Margaret River	8.1	22.1
Swan District	0.4	0.2
WA Other	0.5	0.6
WA Total	1.0	1.0
Tasmania	0.7	0.9
Darling Downs SD Bal	0.2	1.2
Qld Other	0.1	0.1
Qld Total	0.1	0.2
Total regions studied	2.9	5.2
Total other regions	0.3	0.4
Total Australia	1.0	1.0

^a The national index is 1.0, so e.g., in Adelaide Hills the share of farm employment that is in viticulture is 3.8 times the national average for farm employment (which is 4.1 percent, from Table 3 above), and the share of total employment that is in viticulture and winemaking is 5.9 times the national average for all employment (which is 0.3 percent, from Table 3 above).

Source: TERM Model database, based on ABS census data

Table 5: Vine intensity of cropping, by region, 2006

	Total vineyard area (ha.)	Total area used for all crops (ha.)	Share of vineyards in total cropped area (%)	Index of vineyard intensity (share of vineyards in cropped area regionally relative to nationally)
Adelaide Hills	2191	7420	29.5	42
Barossa/Eden Valley	12805	139617	9.2	13
Clare Valley	4918	509086	1.0	1
Coonawarra	6421	32865	19.5	28
Langhorne/Curr Creek	7523	38145	19.7	28
McLaren Vale	6432	7653	84.0	121
Other Limestone Coast	8766	184369	4.8	7
Riverland	21642	468856	4.6	7
Canberra District	1078	188988	0.6	1
Hunter	2489	44780	5.6	8
Mudgee/Cowra	1815	103489	1.8	3
Murray Darling NSW	7706	148315	5.2	8
Orange	379	1663	22.8	33
Riverina	18596	488900	3.8	6
Alpine V/Beech	421	3386	12.4	18
Goulburn Valley	366	6719	5.4	8
Mornington Peninsula	620	4869	12.7	18
Murray Darling VIC	6099	817546	0.7	1
Rutherglen	2607	22658	11.5	17
Swan Hill VIC	7156	384456	1.9	3
West/Central Highlands	991	153160	0.6	1
Yarra Valley	2310	5901	39.1	56
Great Southern	5586	123421	4.5	7
Margaret River	2877	8753	32.9	47
Swan District	67	1559	4.3	6
Tasmania	1507	75460	2.0	3
Darling Downs SD Bal	663	738095	0.1	0.1
Total regions studied	134031	4710129	2.8	4
Total Australia	172676	24791084	0.7	1

Source: ABS (2008, 2009)

Table 6: Irrigation water use for vineyards, other agriculture, and winemaking, by State, 2005-06

(litres, A\$ and percent)

(a) Water use in grapegrowing and winemaking

	Volume of water for grape growing (ML)	Volume of water for winemaking ^a (ML)	Sum of volume of water for wine and grapes (ML)	Gross wine production (ML)
SA	225875	1738	227613	724
NSW	176848	1156	178004	482
Vic	186820	425	187245	177
WA	17409	103	17512	43
Tas	1194	5	1199	2
Qld	15936	4	15940	2
Australia	625655	3431	629086	1430

^a Assumes 2.4 litres of water are used in the winery per litre of wine produced from WFA (2005).

(b) Water source and method of irrigation of vineyards

	Share (%) of vineyard water from:		Share (%) of vineyard watered by:		
	Surface water	Groundwater	Drip or microspray	Sprinkler	Flooding
SA	66.7	24.2	83.8	13.7	0.8
NSW	84.5	11.7	75.3	6.5	16.5
Vic	90.7	2.3	66.1	24.4	7.5
WA	60.5	31.2	93.8	4.1	0.1
Tas	68.1	0.6	86.7	0.9	0.8
Qld	92.2	6.2	95.0	3.0	0.2
AUST.	78.9	14.4	78.8	13.2	6.1

Table 6 (continued): Irrigation water use for vineyards, other agriculture, and winemaking, by State, 2005-06

(litres, A\$ and percent)

(c) Irrigation water use intensity

	Water use (megalitre per ha of area irrigated)		Water use on vines per litre of wine produced (litres)	Vines' share of region's total agric water use (%)
	Vines	Other irrigated agric		
SA	2.7	5.2	312	24.4
NSW	4.3	4.5	367	4.0
Vic	4.9	3.7	1056	7.5
WA	1.4	6.1	404	5.5
Tas	1.1	2.5	631	0.6
Qld	4.8	4.3	na	0.7
AUST.	3.5	4.3	438	5.8

(d) Water use, litres per \$ of gross value of agricultural production, grapes and other agricultural products, by state 2005-06

	Grapes	Other fruit	Vege- tables	Sugar	Cotton	Rice	Milk	Weighted average
SA	378	477	234	-	-	-	1219	488
NSW	650	275	239	40	1955	4815	1657	1433
Vic	553	301	136	-	-	5095	723	541
WA	186	293	185	-	-	-	767	309
Tas	84	113	243	-	-	-	547	371
Qld	555	157	111	1053	1661	-	664	603
Australia	463	266	164	1045	1838	4817	859	711
Total use (gigalitres)	626	675	451	1104	1746	1230	2871	1350

Source: Derived from data summarized in ABS (2007)

Table 7: Winegrape and wine gross value of output, and shares of national total, 2006
(A\$million and percent)

	Grape output value (\$mill.)	Wine output value (\$mill.)	Grape share of total ag output value (%)	Region's share of national grape output value (%)	Region's share of national wine output value (%)	Region's share of national grape+wi ne output value (%)
Adelaide Hills	17.4	70.0	7.5	1.7	1.1	1.2
Barossa/Eden Valley	70.8	670.4	17.2	7.1	10.9	10.4
Clare Valley	30.4	110.0	5.4	3.0	1.8	2.0
Coonawarra	19.7	113.1	3.7	2.0	1.8	1.9
Langhorne/Curr Creek	27.8	72.5	10.3	2.8	1.2	1.4
McLaren Vale	64.5	633.6	24.0	6.4	10.3	9.8
Other Limestone Coast	24.0	114.4	2.9	2.4	1.9	1.9
Riverland	107.9	292.6	22.2	10.8	4.8	5.6
SA Other	27	265	1.2	2.7	4.3	4.1
SA Total	389.9	2341.6	6.6	38.9	38.0	38.2
Canberra District	5.8	18.2	1.0	0.6	0.3	0.3
Hunter	12.7	90.3	3.8	1.3	1.5	1.4
Mudgee/Cowra	6.3	30.8	1.5	0.6	0.5	0.5
Murray Darling NSW	30.2	45.4	21.6	3.0	0.7	1.1
Orange	3.1	13.3	4.5	0.3	0.2	0.2
Riverina	43.9	352.5	7.9	4.4	5.7	5.5
NSW Other	62	697	0.7	6.2	11.3	10.6
NSW Total	163.7	1247.6	1.4	16.3	20.3	19.7
Alpine V/Beech	2.0	20.3	1.1	0.2	0.3	0.3
Goulburn Valley	4.3	28.2	1.7	0.4	0.5	0.5
Mornington Peninsula	7.8	64.7	6.4	0.8	1.1	1.0
Murray Darling VIC	110.8	304.2	35.9	11.1	4.9	5.8
Rutherglen	15.4	134.2	8.1	1.5	2.2	2.1
Swan Hill VIC	57.6	33.5	7.7	5.7	0.5	1.3
West/Central Highlands	5.8	57.0	2.3	0.6	0.9	0.9
Yarra Valley	18.7	118.0	12.8	1.9	1.9	1.9
Vic Other	72	755	0.7	7.2	12.3	11.6
Vic Total	294.8	1515.2	2.3	29.4	24.6	25.3
Great Southern	18.1	103.6	6.7	1.8	1.7	1.7
Margaret River	40.0	261.2	17.1	4.0	4.2	4.2
Swan District	2.0	46.7	0.8	0.2	0.8	0.7
WA Other	46	258	0.7	4.6	4.2	4.3
WA Total	106.4	669.8	1.5	10.6	10.9	10.8
Tasmania	19	117	1.5	1.9	1.9	1.9
Darling Downs SD Bal	6.6	35.6	0.2	0.7	0.6	0.6
Qld Other	20	206	0.2	2.0	3.3	3.1
Qld Total	26.3	241.3	0.2	2.6	3.9	3.7
Total regions studied	772	3,951	5.8	77	64	66
Total other regions	230	2,206	0.6	23	36	34
Total Australia	1,003	6,157	1.9	100	100	100
Climatic Zones						
Hot	372	1281	3.0	37	21	23
Warm	531	4273	1.5	53	69	67
Cool	96	578	2.9	10	9	9

Source: TERM Model database, based on ABS census data

Table 8: Winegrape and wine value added (GDP), and shares of national total, 2006
(A\$million and percent)

	Grape value added (\$mill.)	Wine value added (\$mill.)	Grape share of total value added in agric (%)	Grape +wine share of value added in total economy (%)	Region's share of national grape value added (%)	Region's share of national wine value added (%)	Region's share of national grape +wine value added (%)
Adelaide Hills	6.7	25.7	6.6	2.0	1.8	1.1	1.2
Barossa/Eden Valley	27.1	245.8	16.0	16.6	7.1	10.9	10.4
Clare Valley	11.5	40.3	4.4	7.0	3.0	1.8	2.0
Coonawarra	7.5	41.4	2.9	2.8	2.0	1.8	1.9
Langhorne/Curr Creek	10.7	26.6	9.1	3.6	2.8	1.2	1.4
McLaren Vale	24.7	231.9	25.1	1.3	6.5	10.3	9.8
Other Limestone Coast	9.1	41.9	2.3	5.4	2.4	1.9	1.9
Riverland	40.9	107.1	17.5	11.1	10.7	4.8	5.6
SA Other	10	97	0.9	0.4	2.7	4.3	4.1
SA Total	148.5	857.7	5.4	1.8	38.9	38.1	38.2
Canberra District	2.2	6.6	0.9	0.4	0.6	0.3	0.3
Hunter	4.9	32.9	2.8	0.7	1.3	1.5	1.4
Mudgee/Cowra	2.4	11.3	1.2	0.5	0.6	0.5	0.5
Murray Darling NSW	11.5	16.6	18.4	8.3	3.0	0.7	1.1
Orange	1.2	4.9	3.8	0.4	0.3	0.2	0.2
Riverina	16.7	129.3	6.5	8.7	4.4	5.7	5.5
NSW Other	23	254	0.6	0.1	6.1	11.3	10.5
NSW Total	62.0	455.7	1.2	0.2	16.2	20.3	19.7
Alpine V/Beech	0.8	7.4	0.9	1.3	0.2	0.3	0.3
Goulburn Valley	1.6	10.3	1.2	0.7	0.4	0.5	0.5
Mornington Peninsula	3.0	23.6	6.1	0.5	0.8	1.0	1.0
Murray Darling VIC	42.2	111.6	33.0	10.0	11.1	5.0	5.8
Rutherglen	5.9	49.1	5.8	5.1	1.5	2.2	2.1
Swan Hill VIC	21.9	12.3	6.5	2.8	5.7	0.5	1.3
West/Central Highlands	2.3	20.9	2.0	4.1	0.6	0.9	0.9
Yarra Valley	7.2	43.1	10.6	0.9	1.9	1.9	1.9
Vic Other	28	276	0.5	0.2	7.3	12.3	11.6
Vic Total	112.6	554.6	1.9	0.3	29.5	24.6	25.4
Great Southern	6.8	37.6	5.3	3.1	1.8	1.7	1.7
Margaret River	15.3	94.8	13.6	7.2	4.0	4.2	4.2
Swan District	0.8	16.9	0.8	0.1	0.2	0.8	0.7
WA Other	17	94	0.6	0.1	4.6	4.2	4.2
WA Total	40.3	242.9	1.2	0.3	10.6	10.8	10.8
Tasmania	7	42	1.2	0.3	1.9	1.9	1.9
Darling Downs SD Bal	2.5	13.0	0.2	0.3	0.7	0.6	0.6
Qld Other	8	75	0.2	0.1	2.0	3.3	3.1
Qld Total	10.1	88.0	0.2	0.1	2.6	3.9	3.7
Total regions studied	295	1,445	4.6		77	64	66
Total other regions	87	805			23	36	34
Total Australia	382	2,250	1.5	0.3	100	100	100
Climatic Zones							
Hot	142	469	2.8	0.6	37	21	23
Warm	202	1561	1.2	0.3	53	69	67
Cool	37	211	2.4	0.7	10	9	9

Source: TERM Model database, based on ABS census data

Table 9: Intensity^a of grape and wine output and value added (GDP), by region, 2006

	Grape share of total agric output value in region relative to nationally	Grape share of total agric GDP in region relative to nationally	Grape+wine share of total value added in region relative to nationally
Adelaide Hills	4.0	4.3	6.5
Barossa/Eden Valley	9.2	10.4	54.0
Clare Valley	2.9	2.8	22.8
Coonawarra	2.0	1.9	9.2
Langhorne/Curr Creek	5.5	5.9	11.8
McLaren Vale	12.8	16.3	4.3
Other Limestone Coast	1.6	1.5	17.7
Riverland	11.8	11.3	36.1
SA Other	0.6	0.6	1.3
SA Total	3.5	3.5	6.0
Canberra District	0.5	0.6	1.2
Hunter	2.0	1.8	2.4
Mudgee/Cowra	0.8	0.8	1.8
Murray Darling NSW	11.5	11.9	26.9
Orange	2.4	2.4	1.4
Riverina	4.2	4.2	28.3
NSW Other	0.4	0.4	0.3
NSW Total	0.8	0.8	0.6
Alpine V/Beech	0.6	0.6	4.3
Goulburn Valley	0.9	0.8	2.2
Mornington Peninsula	3.4	4.0	1.8
Murray Darling VIC	19.1	21.4	32.4
Rutherglen	4.3	3.7	16.5
Swan Hill VIC	4.1	4.2	9.2
West/Central Highlands	1.2	1.3	13.5
Yarra Valley	6.8	6.9	2.8
Vic Other	0.4	0.4	0.5
Vic Total	1.2	1.2	1.1
Great Southern	3.6	3.4	10.0
Margaret River	9.1	8.9	23.5
Swan District	0.4	0.5	0.3
WA Other	0.4	0.4	0.4
WA Total	0.8	0.8	0.8
Tasmania	0.8	0.7	1.0
Darling Downs SD Bal	0.1	0.1	1.1
Qld Other	0.1	0.1	0.2
Qld Total	0.1	0.1	0.2
Total regions studied	3.1	3.1	
Total other regions	0.3	0.3	
Total Australia	1.0	1.0	1.0

^a The national index is 1.0 for each of these indicators, so e.g., in Adelaide Hills the share of the total value of agricultural output that is due to grapes is 4.0 times the national grape share of agricultural output (which is 1.9 percent, from Table 7 above), the share of the total agricultural value added that is due to grapes is 4.3 times the national grape share of agricultural value added (that is, ag GDP, which is 1.5 percent, from Table 8 above), and the share of total GDP contributed by viticulture and winemaking is 6.7 times the national average for all GDP (which is 0.3 percent, from Table 8 above).

Source: TERM Model database, based on ABS census data

Table 10: Regional diversity in terms of Varietal Intensity Index,^a by Australian GI region, 2006

Adelaide Hills	7.11	PN	7.02	SB	4.95	PG	2.37	Vi	1.69	Sa	1.51
Barossa Valley	4.93	Gr	2.62	Ri	1.95	Se	1.87	Mt	1.73	Sh	1.66
Eden Valley	10.59	Ri	5.48	PG	2.71	Vi	1.68	Ma	1.44	PN	1.3
Clare Valley	6.91	Ma	6.73	Ri	2.13	Sa	1.5	Sh	1.4	Ca	1.31
Coonawarra	3.81	CF	2.92	Ca	1.48	Ri	1.39	PN	1.12	SB	1.08
Currency Creek	2.22	Ca	1.58	Sh	1.53	Gr	1.52	SB	1.41	Gu	1.36
Langhorne Creek	2.58	Ma	2.21	Gr	2.12	Ca	1.59	Sa	1.56	Vi	1.41
McLaren Vale	5.31	Gr	1.93	CF	1.89	Sh	1.88	Sa	1.85	Vi	1.08
Mount Benson	3.11	SB	2.91	CF	1.74	PN	1.62	Me	1.58	Ca	1.45
Padthaway	7.08	Ma	5.08	CF	2.68	Ri	2.17	PG	2.04	Mt	1.55
Wrattonbully	2.96	Ca	2.11	Ma	1.89	Me	1.34	Sh	1.1	PN	0.61
Riverland	2.41	PV	2.18	Mt	1.71	Co	1.44	RC	1.44	CB	1.37
Canberra District	5.57	Ri	4.55	Sa	3.81	PN	3.58	CF	3.3	Vi	3.16
Hunter	10.3	Ve	3.69	Se	2.3	Gu	1.59	Ch	0.82	Sh	0.7
Cowra	6.15	CF	3.98	Ve	3.32	Ma	2.27	Ch	1.49	Se	1.31
Mudgee	3.77	Gu	3.61	Sa	1.57	Me	1.37	Se	1.32	Ca	1.31
Murray Darling - NSW	1.79	Vi	1.66	Me	1.58	Co	1.44	Ch	0.93	Ca	0.89
Orange	2.6	PG	2.4	CF	2.22	SB	2.01	Me	1.46	Ca	1.21
Riverina	5.17	Du	3.1	Gu	2.96	RC	2.95	Se	2.4	PG	2.03
Alpine V/Beechworth	6.1	PG	5.66	Sa	4.58	Me	4.22	Vi	3.26	PN	2.55
Goulburn Valley	5.38	Sa	5.36	Vi	2.37	SB	1.79	Ve	1.62	Sh	1.58
Mornington Peninsula	33.41	PG	20.2	PN	1.78	Vi	1.3	Ch	1.21	SB	1.16
Murray Darling - VIC	1.68	Sa	1.67	Co	1.45	Ch	1.13	Me	0.85	Ca	0.84
Rutherglen	33.53	Du	4.81	PG	2.88	Sa	2.37	Vi	1.71	Sh	1.39
Swan Hill (VIC)	1.52	CB	1.32	Sa	1.25	Co	1.17	Vi	1.15	Mt	1.13
Yarra Valley	12.37	PN	2.72	SB	2.39	Vi	1.68	CF	1.48	PG	1.34
Tasmania	22.91	PN	11.08	PG	4.51	Ri	3.28	SB	1.22	Ch	0.89
Great Southern	7.9	SB	4.67	Ri	2.9	Ma	2.45	CF	1.99	Se	1.45
Margaret River	6.89	SB	6.55	CB	3.27	CF	2.97	Se	2.19	Ma	1.75
Swan District	46.7	CB	12.01	Ve	4.27	Gr	1.44	CF	1.18	Ma	0.78

^a Defined as the share of each variety in the region's production as a ratio of that variety's share of national production

Source: Anderson (2009), based on data from AWBC (2009)

Table 11: Index of similarity^a of winegrape varietal mix to the national average, 2001 and 2006

	Quantity-based Regional Similarity Index ^a			
	Mean		Standard deviation	
	2001	2006	2001	2006
Adelaide Hills	0.78	0.8	0.13	0.13
Barossa/Eden Valley	0.9	0.87	0.17	0.19
Clare Valley	0.93	0.86	0.18	0.21
Coonawarra	0.85	0.79	0.2	0.19
Langhorne/Curr Creek	0.89	0.89	0.21	0.2
McLaren Vale	0.95	0.88	0.18	0.2
Other Limestone Coast	0.92	0.94	0.14	0.15
Riverland	0.98	0.99	0.16	0.14
Canberra District	0.92	0.91	0.11	0.13
Hunter	0.74	0.82	0.16	0.16
Mudgee/Cowra	0.93	0.92	0.16	0.17
Murray Darling NSW	0.96	0.95	0.13	0.14
Orange	0.96	0.96	0.18	0.15
Riverina	0.86	0.87	0.14	0.14
Alpine V/Beech	0.86	0.74	0.12	0.12
Goulburn Valley	0.96	0.92	0.14	0.19
Mornington Peninsula	0.51	0.51	0.2	0.18
Murray Darling VIC	0.94	0.93	0.12	0.14
Rutherglen	0.86	0.8	0.21	0.22
Swan Hill VIC	0.96	0.98	0.17	0.14
West/Central Highlands	n.a.	n.a.	n.a.	n.a.
Yarra Valley	0.71	0.79	0.16	0.13
Great Southern	0.96	0.83	0.14	0.12
Margaret River	0.9	0.83	0.14	0.14
Swan District	0.48	0.55	0.09	0.08
Tasmania	0.45	0.39	0.22	0.2
Darling Downs SD Bal	n.a.	n.a.	n.a.	n.a.
Total Australia (unweighted average)	0.848	0.835	0.161	0.162

^a For the definition of the Regional Similarity Index, see text and Anderson (2009)

^b The average for the Murray Darling/Swan Hill districts is shown for each of these regions

Source: Anderson (2009), based on data from AWBC (2009)

Table 12: Each GI region's three most-similar regions in Australia, according to the varietal production-based Regional Similarity Index, 2006

Adelaide Hills	0.93 Yarra Valley	0.87 Great Southern	0.83 MD - VIC
Barossa Valley	0.98 McLaren Vale	0.95 Goulburn Valley	0.94 Rutherglen
Eden Valley	0.94 Canberra Dist.	0.93 Clare Valley	0.86 Padthaway
Clare Valley	0.94 Barossa Valley	0.94 Goulburn Valley	0.93 Currency Creek
Coonawarra	0.98 Wrattenbully	0.95 Langhorne Creek	0.94 Currency Creek
Currency Creek	0.99 Langhorne Cr.	0.97 Mount Benson	0.97 Wrattenbully
Langhorne Creek	0.99 Currency Cr.	0.97 Mount Benson	0.96 Wrattenbully
McLaren Vale	0.98 Goulburn Val.	0.98 Barossa Valley	0.97 Rutherglen
Mount Benson	0.98 Mudgee	0.97 Orange	0.97 Currency Creek
Padthaway	0.97 Orange	0.96 Riverland	0.96 Mudgee
Wrattenbully	0.98 Coonawarra	0.97 Currency Creek	0.96 Langhorne Creek
Riverland	0.98 Swan Hill	0.96 Padthaway	0.96 MD - NSW
Canberra District	0.94 Eden Valley	0.93 Clare Valley	0.93 Mudgee
Hunter	0.93 Cowra	0.9 Riverina	0.86 MD - VIC
Cowra	0.95 MD - VIC	0.93 Hunter	0.92 MD - NSW
Mudgee	0.98 Mount Benson	0.98 Orange	0.96 Goulburn Valley
MD - NSW	0.99 MD - VIC	0.97 Swan Hill (VIC)	0.96 Riverland
Orange	0.98 Mudgee	0.97 Mount Benson	0.97 Padthaway
Riverina	0.91 Riverland	0.9 Swan Hill (VIC)	0.9 Hunter
Alpine V/B' worth	0.82 Orange	0.8 MD - NSW	0.79 Adelaide Hills
Goulburn Valley	0.98 McLaren Vale	0.96 Mudgee	0.95 Mount Benson
Mornington Penin	0.96 Tasmania	0.9 Yarra Valley	0.77 Adelaide Hills
MD - VIC	0.99 MD - NSW	0.97 Swan Hill (VIC)	0.95 Riverland
Rutherglen	0.97 McLaren Vale	0.94 Goulburn Valley	0.94 Barossa Valley
Swan Hill (VIC)	0.98 Riverland	0.97 MD - NSW	0.97 MD - VIC
Yarra Valley	0.93 Adelaide Hills	0.9 Mornington P.	0.84 Tasmania
Great Southern	0.94 Margaret River	0.89 Canberra District	0.87 Adelaide Hills
Tasmania	0.96 Mornington P.	0.84 Yarra Valley	0.74 Adelaide Hills
Margaret River	0.94 Great Southern	0.87 Mount Benson	0.85 Mudgee
Swan District	0.55 Swan Hill	0.54 Riverland	0.54 Hunter

Source: Anderson (2009), based on data from AWBC (2009)

Table 13: Average winegrape price, by region, 1999 to 2008
(A\$/tonne)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adelaide Hills	1715	1665	1673	1727	1677	1459	1457	1371	1613	1640
Barossa/Eden Valley	1282	1357	1449	1449	1420	1248	1114	978	1160	1372
Clare Valley	1311	1366	1424	1459	1509	1373	1258	1073	1181	1303
Coonawarra	1869	1826	1703	1770	1771	1097	982	850	1270	1319
Langhorne/Curr Creek	1503	1429	1429	1393	1364	1168	1072	935	1015	1058
McLaren Vale	1499	1609	1681	1695	1611	1367	1256	1097	1292	1604
Other LimestoneCoast	na	1285	1480	1471	1430	1149	1104	931	1106	1099
Riverland	749	652	658	674	578	532	479	377	385	572
SA Other	1331	1357	1411	1236	1257	985	851	850	922	1098
SA Total	1077	974	1111	992	967	889	776	673	731	937
Canberra District	na	na	1442	1448	1513	1567	1627	1659	824	1439
Hunter	1214	1243	1204	1209	1219	1116	902	813	1015	980
Mudgee/Cowra	1112	897	1166	1178	1198	1116	863	752	653	676
Murray Darling NSW	572	543	562	588	589	567	483	374	392	557
Orange	1190	1318	1408	1533	1552	1218	1090	827	1065	1054
Riverina	599	451	497	479	481	490	452	377	398	497
NSW Other	na	484	1100	1116	1173	1083	837	690	757	872
NSW Total	678	590	662	642	656	631	540	437	458	576
Alpine V/Beech	na	1172	1058	989	931	918	872	920	na	982
Goulburn Valley	na	na	na	na	1068	1126	877	833	na	847
Mornington Peninsula	1790	1842	1756	1658	1575	1529	1660	1573	1834	1950
Murray Darling VIC	572	543	562	588	589	567	483	374	392	557
Rutherglen	na	1115	1307	1224	1339	996	1094	na	1003	na
Swan Hill VIC	572	543	562	588	589	567	483	374	392	557
West/Central Highlands	1254	1349	1346	1439	1553	1629	1572	1382	1446	1699
Yarra Valley	1906	1721	1654	1762	1698	1721	1529	1515	1755	1731
Vic Other	1390	1094	1291	1563	1238	1335	921	1023	891	1048
Vic Total	744	713	767	726	768	773	625	559	521	770
Great Southern	1335	1444	1492	1456	1535	na	1328	1229	1236	1227
Margaret River	1136	1399	1525	1459	1585	na	1438	1513	1501	1446
Swan District	845	898	916	783	851	na	898	843	875	946
WA Other	1273	1090	1426	1262	1259	na	1200	1107	1143	1138
WA Total	1135	1265	1421	1345	1429	na	1313	1288	1310	1287
Tasmania	na	na	na	na	2359	2303	2416	2512	2607	2573
Darling Downs SD	na	na	na	na	1049	931	930	913	1022	1066
Bal	na	na	978	972	798	632	1072	856	753	925
Qld Other	na	na	978	972	798	632	1072	856	753	925
Qld Total	na	na	978	972	870	781	1003	884	920	1024
Total above	846	787	910	824	835	780	695	581	616	798
Total other	1335	1038	1316	1248	1223	1063	917	886	921	1033
Total Australia	881	800	933	846	861	796	710	604	636	817
Climatic Zones										
Hot	642	566	591	602	562	535	478	379	394	548
Warm	1322	1280	1425	1403	1381	1192	1087	969	1072	1157
Cool	1788	1612	1576	1497	1660	1366	1329	1245	1615	1621

Source: Based on national price and utilization survey data from AWBC (2009).

Table 14: Regional Quality Index: average winegrape price relative to the national average, by region, 1999 to 2008

	(percent)									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adelaide Hills	195	208	179	204	195	183	205	227	254	201
Barossa/Eden Valley	146	170	155	171	165	157	157	162	182	168
Clare Valley	149	171	153	173	175	173	177	178	186	159
Coonawarra	212	228	182	209	206	138	138	141	200	161
Langhorne/Curr Creek	171	179	153	165	159	147	151	155	160	129
McLaren Vale	170	201	180	200	187	172	177	182	203	196
Other Limestone Coast	na	161	159	174	166	144	155	154	174	135
Riverland	85	81	71	80	67	67	67	62	60	70
SA Other	151	170	151	146	146	124	120	141	145	134
SA Total										
Canberra District	0	na	154	171	176	197	229	275	129	176
Hunter	138	155	129	143	142	140	127	135	159	120
Mudgee/Cowra	126	112	125	139	139	140	121	124	103	83
Murray Darling NSW	65	68	60	70	68	71	68	62	62	68
Orange	135	165	151	181	180	153	153	137	167	129
Riverina	68	56	53	57	56	62	64	62	63	61
NSW Other	0	60	118	132	136	136	118	114	119	107
NSW Total										
Alpine V/Beech	na	146	113	117	108	115	123	152	na	120
Goulburn Valley	na	na	na	na	124	142	123	138	na	104
Mornington Peninsula	203	230	188	196	183	192	234	261	288	239
Murray Darling VIC	65	68	60	70	68	71	68	62	62	68
Rutherglen	na	139	140	145	156	125	154	na	158	na
Swan Hill VIC	65	68	60	70	68	71	68	62	62	68
West/Central Highlands	142	169	144	170	180	205	221	229	227	208
Yarra Valley	216	215	177	208	197	216	215	251	276	212
Vic Other	158	137	138	185	144	168	130	169	140	128
Vic Total										
Great Southern	151	180	160	172	178	na	187	203	194	150
Margaret River	129	175	163	173	184	na	202	251	236	177
Swan District	96	112	98	93	99	na	126	140	138	116
WA Other	144	136	153	149	146	na	169	183	180	139
WA Total										
Tasmania	na	na	na	na	274	289	340	416	410	315
Darling Downs SD										
Bal	na	na	na	na	122	117	131	151	161	130
Qld Other	na	na	105	115	93	79	151	142	118	113
Qld Total										
Total Above	96	98	97	97	97	98	98	96	97	98
Total Other	151	130	141	148	142	134	129	147	145	126
Total Australia	100	100	100	100	100	100	100	100	100	100
Climatic Zones										
Hot	73	71	63	71	65	67	67	63	62	67
Warm	150	160	153	166	160	150	153	160	169	142
Cool	203	202	169	177	193	172	187	206	254	198

Source: Based on national price and utilization survey data from AWBC (2009).

Table 15: Shares of Australia's winegrape area and production and Varietal Quality Index,^a by grape variety, 2001 and 2006

(a) Reds

Share (%) of national winegrape area		Share (%) of national winegrape prodn volume		Share (%) of national winegrape prodn value		Varietal Quality Index ^a		Red variety	Abbrev.
2001	2006	2001	2006	2001	2006	2001	2006		
22.4	24.7	22.4	23.7	28.8	27.9	1.24	1.18	Shiraz	Sh
19.1	17.5	17.9	15.4	23.7	16.5	1.26	1.09	Cabernet Sauv.	Ca
5.9	6.3	5.8	6.9	6.2	6.7	1.05	0.99	Merlot	Me
2.5	2.6	2.1	1.9	2.8	2.9	1.16	1.68	Pinot Noir	PN
0.6	0.9	0.4	1.5	1.6	1.6	1.00	0.74	Petit Verdot	PV
1.6	1.3	1.6	1.3	1.4	1.3	1.03	1.13	Grenache	Gr
1.9	0.9	2.2	1.5	0.4	0.9	0.72	0.53	Ruby Cabernet	RC
0.7	0.5	0.8	0.6	0.6	0.5	0.73	0.72	Mataro	Mt
0.3	0.3	0.2	0.3	0.2	0.3	1.01	0.91	Sangiovese	Sa
0.6	0.4	0.4	0.2	0.1	0.3	1.03	1.14	Cabernet Franc	CF
0.1	0.2	0.1	0.2	0.2	0.3	0.73	0.59	Durif	Du
0.3	0.2	0.3	0.2	0.4	0.2	0.84	1.12	Malbec	Ma
56.0	55.7	54.4	53.7	66.5	59.3	1.17	1.09	Sub-total, above	

(b) Whites

Share (%) of national winegrape area		Share (%) of national winegrape prodn volume		Share (%) of national winegrape prodn value		Varietal Quality Index ^a		White variety	Abbrev.
2001	2006	2001	2006	2001	2006	2001	2006		
13.2	17.9	17.6	22.3	17.9	20.6	0.98	0.96	Chardonnay	Ch
5.0	3.7	6.4	5.4	4.4	4.7	0.72	0.96	Semillon	Se
2.0	2.4	1.8	2.3	2.0	3.9	1.03	1.69	Sauvignon Blanc	SB
2.4	2.6	1.9	2.2	1.8	2.9	0.98	0.98	Riesling	Ri
1.4	1.7	2.8	4.2	1.2	2.1	0.43	0.53	Colombard	Co
1.0	1.0	0.9	1.1	0.8	0.9	0.87	0.93	Verdelho	Ve
0.0	0.4	n.a	0.3	0.1	0.9	n.a	1.59	Pinot Gris	PG
0.0	0.5	0.0	0.4	0.0	0.6	0.85	1.71	Viognier	Vi
0.4	0.5	0.3	0.6	0.5	0.5	0.66	0.94	Gurwitztraminer	Gu
0.6	0.4	1.0	0.6	0.2	0.5	0.49	0.87	Chenin Blanc	CB
26.0	31.1	32.8	39.4	28.9	37.6	0.83	0.91	Sub-total, above	
82.0	86.8	87.2	94.1	95.4	96.9	1.00	1.00	TOTAL, above	
						0.22	0.36	Standard deviation	

^a National average price for variety as proportion of national average price of all varieties.

Source: Anderson (2009), based on data from AWBC (2009)

Table 16: Volume of winegrape production, by region, 1999 to 2008

	(kt)									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adelaide Hills	7.8	8.3	18.9	11.1	16.5	38.6	26.4	24.8	25.8	34.6
Barossa/Eden Valley	63.6	44.0	65.0	66.0	58.3	86.9	100.5	92.4	48.3	80.6
Clare Valley	19.7	12.4	23.5	27.3	19.2	33.0	30.5	35.4	17.3	22.8
Coonawarra	24.4	22.2	53.1	17.8	23.0	62.7	36.5	32.5	17.0	40.6
Langhorne/Curr Creek	25.5	26.1	51.3	44.9	49.3	54.4	60.9	68.2	46.9	69.2
McLaren Vale	49.8	35.7	55.9	49.1	43.5	71.5	65.2	63.3	35.3	54.6
Other Limestone Coast	na	18.9	52.3	29.7	40.9	79.6	50.4	67.6	33.9	70.4
Riverland	259.0	293.8	327.1	433.9	369.1	440.1	482.2	464.4	323.2	401.3
SA Other	44.4	20.8	31.7	27.4	34.2	53.8	46.0	56.1	27.9	43.4
SA Total	494.2	482.2	678.8	707.2	653.9	920.5	898.6	904.5	575.5	817.5
Canberra District	3.3	na	0.6	0.4	0.4	1.2	1.2	1.3	0.6	1.3
Hunter	32.1	29.9	26.1	26.8	17.7	24.7	17.5	16.0	18.1	17.5
Mudgee/Cowra	28.8	21.5	29.4	30.7	32.9	39.7	47.3	39.2	31.0	45.4
Murray Darling NSW	157.0	161.7	161.9	187.4	155.0	196.5	219.6	206.3	176.3	181.2
Orange	4.3	8.2	8.8	7.1	6.0	7.6	6.6	8.2	4.8	9.3
Riverina	159.5	163.7	159.3	228.8	196.1	255.1	251.4	295.0	222.2	300.7
NSW Other	0.6	14.2	15.1	19.5	22.0	26.4	27.9	29.7	19.3	33.5
NSW Total	385.6	399.2	401.1	500.6	430.1	551.2	571.5	595.7	472.3	588.8
Alpine V/Beech	0.0	14.0	17.2	17.0	9.4	4.7	4.5	4.5	0.0	4.9
Goulburn Valley	0.0	0.0	0.0	0.0	5.8	8.0	5.6	7.1	0.0	4.1
Mornington Peninsula	0.7	1.4	1.5	0.5	0.7	3.1	3.0	2.3	2.1	2.7
Murray Darling VIC	99.3	102.3	102.4	118.6	98.1	124.3	138.9	130.6	111.5	114.6
Rutherglen	0.0	3.1	5.4	7.1	4.0	7.6	3.9	0.0	3.6	0.0
Swan Hill VIC	60.1	62.0	62.0	71.8	59.4	75.3	84.1	79.0	67.5	69.4
West/Central Highlands	4.0	2.8	4.5	2.3	2.9	7.4	4.3	4.9	2.4	6.9
Yarra Valley	6.3	12.3	14.4	6.1	12.2	19.0	11.0	11.2	6.2	15.5
Vic Other	26.9	11.9	17.2	11.8	18.2	16.2	35.1	39.2	23.2	47.9
Vic Total	197.4	209.8	224.6	235.2	210.7	265.6	290.4	278.8	216.6	266.0
Great Southern	4.7	7.9	11.4	10.6	12.7	na	30.2	11.5	11.3	15.9
Margaret River	13.0	16.4	21.9	22.4	22.2	na	30.6	25.0	31.7	33.8
Swan District	7.4	4.8	6.2	4.7	4.6	na	6.2	6.5	5.1	5.0
WA Other	8.5	10.5	12.5	13.6	12.5	na	15.2	11.4	17.8	18.2
WA Total	33.6	39.6	52.0	51.2	52.0	na	82.2	54.4	65.9	72.9
Tasmania	0.0	0.0	0.0	0.0	5.5	6.9	6.6	5.8	5.0	12.5
Darling Downs SD Bal	0.0	0.0	0.0	0.0	0.8	1.7	2.5	2.3	1.5	2.1
Qld Other	0.0	0.0	1.9	3.5	1.9	1.7	2.6	2.3	0.9	0.9
Qld Total	0.0	0.0	1.9	3.5	2.6	3.5	5.1	4.6	2.4	3.0
Total Above	1030.3	1073.4	1280.0	1422.0	1266.0	1649.6	1727.7	1705.1	1248.7	1616.8
Total Other	80.4	57.4	78.5	75.7	88.8	98.1	127.4	138.7	89.1	143.8
Total Australia	1110.7	1130.8	1358.4	1497.7	1354.8	1747.7	1855.1	1843.8	1337.8	1760.6
Climate Zones										
Hot	742	788	821	1049	884	1093	1185	1184	907	1073
Warm	322	282	428	394	400	511	576	573	372	569
Cool	47	61	110	55	71	144	94	87	59	119

Source: Based on national price and utilization survey data from AWBC (2009).

Table 17: Value of winegrape production, by region, 1999 to 2008
(A\$million)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adelaide Hills	13.4	13.8	31.7	19.1	27.6	56.4	38.5	34.0	41.6	56.8
Barossa/Eden Valley	81.6	59.7	94.1	95.7	82.7	108.4	111.9	90.3	56.1	110.6
Clare Valley	25.8	17.0	33.5	39.8	29.0	45.4	38.3	37.9	20.4	29.7
Coonawarra	45.5	40.5	90.5	31.5	40.8	68.7	35.8	27.6	21.6	53.5
Langhorne/Curr Creek	38.3	37.3	73.3	62.5	67.2	63.5	65.2	63.8	47.6	73.2
McLaren Vale	74.6	57.4	93.9	83.3	70.0	97.8	81.8	69.4	45.6	87.6
Other Limestone Coast	na	24.3	77.4	43.7	58.5	91.5	55.7	62.9	37.5	77.4
Riverland	194.0	191.4	215.3	292.4	213.4	234.0	230.9	175.0	124.3	229.5
SA Other	59.1	28.3	44.7	33.8	43.0	53.0	39.2	47.7	25.7	47.7
SA Total	532.5	469.6	754.4	701.8	632.2	818.5	697.4	608.5	420.4	765.8
Canberra District	0.0	na	0.9	0.5	0.6	1.9	2.0	2.2	0.5	1.8
Hunter	38.9	37.1	31.4	32.4	21.6	27.5	15.8	13.0	18.4	17.2
Mudgee/Cowra	32.0	19.3	34.2	36.1	39.4	44.3	40.8	29.5	20.3	30.7
Murray Darling NSW	89.8	87.8	90.9	110.2	91.3	111.5	106.0	77.1	69.1	101.0
Orange	5.2	10.8	12.4	10.9	9.3	9.3	7.2	6.8	5.1	9.8
Riverina	95.5	73.8	79.1	109.5	94.4	124.9	113.5	111.2	88.4	149.4
NSW Other	0.0	6.9	16.7	21.7	25.8	28.6	23.4	20.5	14.6	29.2
NSW Total	261.3	235.6	265.6	321.4	282.3	348.0	308.7	260.2	216.4	339.0
Alpine V/Beech	na	16.4	18.2	16.8	8.7	4.3	3.9	4.2	na	4.8
Goulburn Valley	na	na	na	na	6.2	9.0	4.9	5.9	na	3.5
Mornington Peninsula	1.2	2.6	2.6	0.8	1.1	4.7	4.9	3.6	3.9	5.2
Murray Darling VIC	56.8	55.5	57.5	69.7	57.7	70.5	67.1	48.8	43.8	63.9
Rutherglen	na	3.4	7.0	8.7	5.4	7.6	4.2	na	3.6	na
Swan Hill VIC	34.4	33.6	34.8	42.2	35.0	42.7	40.6	29.5	26.5	38.7
West/Central Highlands	5.0	3.7	6.1	3.3	4.5	12.1	6.8	6.7	3.4	11.8
Yarra Valley	12.1	21.2	23.9	10.8	20.7	32.8	16.8	17.0	10.9	26.8
Vic Other	37.4	13.0	22.3	18.4	22.6	21.6	32.3	40.1	20.7	50.2
Vic Total	146.9	149.6	172.4	170.8	161.8	205.3	181.6	155.7	112.7	204.8
Great Southern	6.3	11.4	17.1	15.4	19.5	na	40.1	14.1	13.9	19.5
Margaret River	14.8	23.0	33.3	32.7	35.1	na	44.0	37.8	47.6	48.9
Swan District	6.2	4.3	5.7	3.6	4.0	na	5.6	5.5	4.5	4.7
WA Other	10.8	11.5	17.8	17.1	15.8	na	18.2	12.7	20.4	20.7
WA Total	38.1	50.1	73.9	68.9	74.3	na	107.9	70.1	86.4	93.8
Tasmania	na	na	na	na	13.0	15.9	16.0	14.6	13.2	32.2
Darling Downs SD										
Bal	na	na	na	na	0.8	1.6	2.3	2.1	1.5	2.2
Qld Other	na	na	1.9	3.4	1.5	1.1	2.8	2.0	0.7	0.8
Qld Total	na	na	1.9	3.4	2.3	2.7	5.2	4.1	2.2	3.0
Total Above	871.6	845.3	1164.8	1171.8	1057.4	1286.2	1200.9	990.4	769.3	1290.2
Total Other	107.3	59.6	103.3	94.5	108.6	104.3	116.8	122.8	82.0	148.6
Total Australia	978.9	904.9	1268.1	1266.3	1166.0	1390.4	1317.8	1113.2	851.3	1438.8
Climate Zones										
Hot	477	446	485	631	497	585	566	449	357	588
Warm	426	360	609	553	553	609	626	555	399	658
Cool	83	98	174	83	117	196	124	109	95	193

Source: Based on national price and utilization survey data from AWBC (2009).

Table 18: Shares of national volume of winegrape production, by region, 1999 to 2008
(percent)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adelaide Hills	0.7	0.7	1.4	0.7	1.2	2.2	1.4	1.3	1.9	2.0
Barossa/Eden Valley	5.7	3.9	4.8	4.4	4.3	5.0	5.4	5.0	3.6	4.6
Clare Valley	1.8	1.1	1.7	1.8	1.4	1.9	1.6	1.9	1.3	1.3
Coonawarra	2.2	2.0	3.9	1.2	1.7	3.6	2.0	1.8	1.3	2.3
Langhorne/Curr Creek	2.3	2.3	3.8	3.0	3.6	3.1	3.3	3.7	3.5	3.9
McLaren Vale	4.5	3.2	4.1	3.3	3.2	4.1	3.5	3.4	2.6	3.1
Other Limestone Coast	0.0	1.7	3.8	2.0	3.0	4.6	2.7	3.7	2.5	4.0
Riverland	23.3	26.0	24.1	29.0	27.2	25.2	26.0	25.2	24.2	22.8
SA Other	4.0	1.8	2.3	1.8	2.5	3.1	2.5	3.0	2.1	2.5
SA Total	44.5	42.6	50.0	47.2	48.3	52.7	48.4	49.1	43.0	46.4
Canberra District	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Hunter	2.9	2.6	1.9	1.8	1.3	1.4	0.9	0.9	1.4	1.0
Mudgee/Cowra	2.6	1.9	2.2	2.0	2.4	2.3	2.5	2.1	2.3	2.6
Murray Darling NSW	14.1	14.3	11.9	12.5	11.4	11.2	11.8	11.2	13.2	10.3
Orange	0.4	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5
Riverina	14.4	14.5	11.7	15.3	14.5	14.6	13.6	16.0	16.6	17.1
NSW Other	0.1	1.3	1.1	1.3	1.6	1.5	1.5	1.6	1.4	1.9
NSW Total	34.7	35.3	29.5	33.4	31.7	31.5	30.8	32.3	35.3	33.4
Alpine V/Beech	0.0	1.2	1.3	1.1	0.7	0.3	0.2	0.2	0.0	0.3
Goulburn Valley	0.0	0.0	0.0	0.0	0.4	0.5	0.3	0.4	0.0	0.2
Mornington Peninsula	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.2
Murray Darling VIC	8.9	9.0	7.5	7.9	7.2	7.1	7.5	7.1	8.3	6.5
Rutherglen	0.0	0.3	0.4	0.5	0.3	0.4	0.2	0.0	0.3	0.0
Swan Hill VIC	5.4	5.5	4.6	4.8	4.4	4.3	4.5	4.3	5.0	3.9
West/Central Highlands	0.4	0.2	0.3	0.2	0.2	0.4	0.2	0.3	0.2	0.4
Yarra Valley	0.6	1.1	1.1	0.4	0.9	1.1	0.6	0.6	0.5	0.9
Vic Other	2.4	1.1	1.3	0.8	1.3	0.9	1.9	2.1	1.7	2.7
Vic Total	17.8	18.6	16.5	15.7	15.6	15.2	15.7	15.1	16.2	15.1
Great Southern	0.4	0.7	0.8	0.7	0.9	0.0	1.6	0.6	0.8	0.9
Margaret River	1.2	1.5	1.6	1.5	1.6	0.0	1.7	1.4	2.4	1.9
Swan District	0.7	0.4	0.5	0.3	0.3	0.0	0.3	0.4	0.4	0.3
WA Other	0.8	0.9	0.9	0.9	0.9	0.0	0.8	0.6	1.3	1.0
WA Total	3.0	3.5	3.8	3.4	3.8	0.0	4.4	3.0	4.9	4.1
Tasmania	na	na	na	na	0.4	0.4	0.4	0.3	0.4	0.7
Darling Downs SD Bal	na	na	na	na	0.1	0.1	0.1	0.1	0.1	0.1
Qld Other	na	na	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Qld Total	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
Total Above	92.8	94.9	94.2	94.9	93.4	94.4	93.1	92.5	93.3	91.8
Total Other	7.2	5.1	5.8	5.1	6.6	5.6	6.9	7.5	6.7	8.2
Total Australia	100	100	100	100	100	100	100	100	100	100
Climate Zones										
Hot	67	70	60	70	65	63	64	64	68	61
Warm	29	25	32	26	30	29	31	31	28	32
Cool	4	5	8	4	5	8	5	5	4	7

Source: Based on national price and utilization survey data from AWBC (2009).

Table 19: Shares of national value of winegrape production, by region, 1999 to 2008
(percent)

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adelaide Hills	1.4	1.5	2.5	1.5	2.4	4.1	2.9	3.1	4.9	3.9
Barossa/Eden Valley	8.3	6.6	7.4	7.6	7.1	7.8	8.5	8.1	6.6	7.7
Clare Valley	2.6	1.9	2.6	3.1	2.5	3.3	2.9	3.4	2.4	2.1
Coonawarra	4.7	4.5	7.1	2.5	3.5	4.9	2.7	2.5	2.5	3.7
Langhorne/Curr Creek	3.9	4.1	5.8	4.9	5.8	4.6	4.9	5.7	5.6	5.1
McLaren Vale	7.6	6.3	7.4	6.6	6.0	7.0	6.2	6.2	5.4	6.1
Other Limestone Coast	na	2.7	6.1	3.5	5.0	6.6	4.2	5.6	4.4	5.4
Riverland	19.8	21.2	17.0	23.1	18.3	16.8	17.5	15.7	14.6	15.9
SA Other	6.0	3.1	3.5	2.7	3.7	3.8	3.0	4.3	3.0	3.3
SA Total	54.4	51.9	59.5	55.4	54.2	58.9	52.9	54.7	49.4	53.2
Canberra District	0.0	na	0.1	0.0	0.0	0.1	0.2	0.2	0.1	0.1
Hunter	4.0	4.1	2.5	2.6	1.9	2.0	1.2	1.2	2.2	1.2
Mudgee/Cowra	3.3	2.1	2.7	2.9	3.4	3.2	3.1	2.6	2.4	2.1
Murray Darling NSW	9.2	9.7	7.2	8.7	7.8	8.0	8.0	6.9	8.1	7.0
Orange	0.5	1.2	1.0	0.9	0.8	0.7	0.5	0.6	0.6	0.7
Riverina	9.8	8.2	6.2	8.6	8.1	9.0	8.6	10.0	10.4	10.4
NSW Other	0.0	0.8	1.3	1.7	2.2	2.1	1.8	1.8	1.7	2.0
NSW Total	26.7	26.0	20.9	25.4	24.2	25.0	23.4	23.4	25.4	23.6
Alpine V/Beech	na	1.8	1.4	1.3	0.7	0.3	0.3	0.4	na	0.3
Goulburn Valley	na	na	na	na	0.5	0.6	0.4	0.5	na	0.2
Mornington Peninsula	0.1	0.3	0.2	0.1	0.1	0.3	0.4	0.3	0.5	0.4
Murray Darling VIC	5.8	6.1	4.5	5.5	5.0	5.1	5.1	4.4	5.1	4.4
Rutherglen	na	0.4	0.6	0.7	0.5	0.5	0.3	na	0.4	na
Swan Hill VIC	3.5	3.7	2.7	3.3	3.0	3.1	3.1	2.7	3.1	2.7
West/Central Highlands	0.5	0.4	0.5	0.3	0.4	0.9	0.5	0.6	0.4	0.8
Yarra Valley	1.2	2.3	1.9	0.9	1.8	2.4	1.3	1.5	1.3	1.9
Vic Other	3.8	1.4	1.8	1.5	1.9	1.6	2.5	3.6	2.4	3.5
Vic Total	15.0	16.5	13.6	13.5	13.9	14.8	13.8	14.0	13.2	14.2
Great Southern	0.6	1.3	1.3	1.2	1.7	na	3.0	1.3	1.6	1.4
Margaret River	1.5	2.5	2.6	2.6	3.0	na	3.3	3.4	5.6	3.4
Swan District	0.6	0.5	0.5	0.3	0.3	na	0.4	0.5	0.5	0.3
WA Other	1.1	1.3	1.4	1.4	1.4	na	1.4	1.1	2.4	1.4
WA Total	3.9	5.5	5.8	5.4	6.4	0.0	8.2	6.3	10.1	6.5
Tasmania	na	na	na	na	1.1	1.1	1.2	1.3	1.5	2.2
Darling Downs SD Bal	na	na	na	na	0.1	0.1	0.2	0.2	0.2	0.2
Qld Other	na	na	0.1	0.3	0.1	0.1	0.2	0.2	0.1	0.1
Qld Total	na	na	0.1	0.3	1.3	1.3	1.6	1.7	1.8	2.5
Total Above	89.0	93.4	91.9	92.5	90.7	92.5	91.1	89.0	90.4	89.7
Total Other	11.0	6.6	8.1	7.5	9.3	7.5	8.9	11.0	9.6	10.3
Total Australia	100	100	100	100	100	100	100	100	100	100
Climate Zones										
Hot	48	49	38	50	43	42	43	40	42	41
Warm	43	40	48	44	47	44	48	50	47	46
Cool	8	11	14	7	10	14	9	10	11	13

Source: Based on national price and utilization survey data from AWBC (2009).

Table 20: Non-premium, commercial premium and super-premium shares in regional winegrape production volume,^a and share of national volume, by region, 2008
(percent)

	Non-premium	Commercial premium	Super-premium	Share of national volume
Adelaide Hills	2.0	23.2	74.7	1.97
Barossa/Eden Valley	1.6	48.4	50.0	4.58
Clare Valley	0.0	47.0	53.0	1.29
Coonawarra	2.0	33.3	64.6	2.30
Langhorne/Curr Creek	1.8	70.0	28.2	3.93
McLaren Vale	3.0	36.4	60.6	3.10
Other Limestone Coast	9.7	57.5	32.8	4.00
Riverland	25.0	75.0	0.0	22.79
Other SA	0.2	60.5	39.3	2.21
SA Total	13.9	62.1	24.0	46.17
Canberra District	17.4	82.6	0.0	2.58
Hunter	14.7	60.8	24.5	0.99
Murray Darling NSW	37.4	62.6	0.0	6.91
Orange	1.0	60.6	38.4	0.53
Riverina	78.8	21.2	0.0	17.08
Other NSW				
NSW Total	52.0	46.9	1.1	28.09
Mornington Peninsula	0.0	9.9	90.1	0.15
Murray Darling VIC	37.4	62.6	0.0	6.91
Swan Hill VIC	37.4	62.6	0.0	6.91
Yarra Valley	2.0	12.2	85.7	0.88
Other Vic	16.9	52.7	30.4	1.59
Vic Total	35.8	61.1	3.1	16.45
Margaret River	0.0	23.0	77.0	1.92
Other WA	0.0	74.1	25.9	0.66
WA Total	0.0	36.0	64.0	2.58
Tasmania	0.0	1.0	99.0	0.71
Total, sample regions	30.3	53.5	16.3	94.0
All other regions				6.0
Australia, TOTAL				100
Climatic Zones				
Hot	44.4	55.6	0.0	60.6
Warm	4.2	52.5	43.2	24.8
Cool	6.4	40.6	53.0	8.6

^a Non-premium category is defined as grapes purchased at less than \$550/tonne, super-premium as grapes purchased at \$1200/tonne or more, and commercial premium at between \$550 and \$1199/tonne. With that \$550 break point, the non-premium winegrape share of 30.3 percent (see Figure 13(b)) is very close to the 29.3 percent of non-premium wine share we derived from ABS statistics assuming the domestic component of that is the softpack share, the export component is two-thirds of the '<\$2.50/litre' share, and the average price of non-premium wine in domestic and export markets is one-quarter of the domestic price of premium wines.
Source: Australia wine grape price survey data, Australian wine and Brandy Corporation (2008).

Table 21: Non-premium, commercial premium and super-premium shares in regional winegrape production value,^a and share of national value, by region, 2008

	Non- premium (%)	Commercial premium (%)	Super-premium (%)	Share of national value of crush (%)
Adelaide Hills	0.5	13.4	86.1	4.14
Barossa/Eden Valley	0.6	32.5	66.9	8.02
Clare Valley	0.0	35.3	64.7	2.24
Coonawarra	0.7	20.0	79.2	4.27
Langhorne/Curr Creek	0.6	59.5	39.9	5.46
McLaren Vale	0.7	23.2	76.1	6.13
Other Limestone Coast	3.9	46.5	49.5	5.84
Riverland	19.7	80.3	0.0	17.00
Other SA	0.1	49.3	50.6	3.32
SA Total	6.7	48.7	44.6	56.43
Canberra District	11.2	88.8	0.0	2.35
Hunter	5.9	55.7	38.4	1.11
Murray Darling NSW	31.0	69.0	0.0	5.25
Orange	0.5	49.8	49.7	0.73
Riverina	72.4	27.6	0.0	11.47
Other NSW				
NSW Total	43.1	54.4	2.5	20.91
Mornington Peninsula	0.0	4.9	95.1	0.41
Murray Darling VIC	31.0	69.0	0.0	5.25
Swan Hill VIC	31.0	69.0	0.0	5.25
West/Central Highlands				0.00
Yarra Valley	0.5	6.2	93.3	2.14
Other Vic	7.5	43.4	49.1	2.20
Vic Total	27.5	63.6	18.1	15.25
Margaret River	0.0	14.7	85.3	4.01
Other WA	0.0	64.5	35.5	1.01
WA Total	0.0	24.7	75.3	5.01
Tasmania	0.0	0.5	99.5	2.38
Total, sample regions	17.4	47.0	35.6	100
All other regions				
Australia, TOTAL				
Climatic Zones				
Hot	37.4	62.6	0.0	44.22
Warm	1.5	38.9	59.6	40.07
Cool	2.1	23.3	74.6	15.69

^a Non-premium category is defined as grapes purchased at less than \$550/tonne, super-premium as grapes purchased at \$1200/tonne or more, and commercial premium at between \$550 and \$1199/tonne.

Source: Australia wine grape price survey data, Australian wine and Brandy Corporation (2008)

Table 22: Average price of non-premium, commercial premium and super-premium winegrapes,^a and weighted average, by region, 2008
(A\$/tonne)

	Non-premium	Commercial premium	Super-premium	Weighted average
Adelaide Hills	350	897	1786	1550
Barossa/Eden Valley	501	866	1726	1290
Clare Valley		957	1556	1274
Coonawarra	493	822	1676	1367
Langhorne/Curr Creek	350	870	1452	1025
McLaren Vale	342	928	1830	1457
Other Limestone Coast	436	871	1623	1076
Riverland	432	589		549
Other SA	430	904	1430	1110
SA Total	414	738	830	900
Canberra District	430	721		670
Hunter	332	755	1293	825
Murray Darling NSW	465	616		560
Orange	500	839	1320	1020
Riverina	455	644		495
Other NSW				
NSW Total	456	640	47	552
Mornington Peninsula		980	2096	1985
Murray Darling VIC	465	616		560
Swan Hill VIC	465	616		560
West/Central Highlands	400	913	1953	1794
Yarra Valley				
Other Vic	453	840	1650	1021
Vic Total	461	631	106	606
Margaret River		981	1702	1536
Other WA		984	1546	1129
WA Total		982	1662	1433
Tasmania		1100	2481	2467
Total, sample regions	451	689	1716	784
All other regions				
Australia, TOTAL				
Climatic Zones				
Hot	450	613		539
Warm	342	895	1625	1222
Cool	337	881	1573	1514

^a Non-premium category is defined as grapes purchased at less than \$550/tonne, super-premium as grapes purchased at \$1200/tonne or more, and commercial premium at between \$550 and \$1199/tonne.

Source: Australia wine grape price survey data, Australian wine and Brandy Corporation (2008)

Table 23: Area of total and bearing vineyards, for wine and for other purposes, and shares of national total, 2008
(hectares and percent)

	Area of total vineyards for wine	Area of bearing vineyards for wine	Area of bearing vineyards for non-wine purposes	Region's share of national total area of vineyards for wine	Region's share of national bearing area of vineyards for wine
Adelaide Hills	4,045	3,829	67	2.3	2.3
Barossa/Eden Valley	12,292	11,745	215	7.1	7.1
Clare Valley	4,784	4,643	65	2.8	2.8
Coonawarra	6,453	6,234	102	3.7	3.8
Langhorne/Curr Creek	7,070	6,983	271	4.1	4.2
McLaren Vale	6,250	6,066	19	3.6	3.6
Other Limestone Coast	7,479	7,213	5	4.3	4.3
Riverland	21,947	21,367	661	12.7	12.9
SA Other	2,834	2,677	82	1.6	1.6
SA Total	73,155	70,757	1,487	42.4	42.6
Canberra District	362	349	14	0.2	0.2
Hunter	4,093	4,022	150	2.4	2.4
Mudgee/Cowra	5,478	5,403	144	3.2	3.3
Murray Darling NSW	8,005	7,591	1,360	4.6	4.6
Orange	1,532	1,494	20	0.9	0.9
Riverina	19,008	18,162	420	11.0	10.9
NSW Other	5,097	4,937	472	3.0	3.0
NSW Total	43,574	41,958	2,579	25.2	25.2
Alpine V/Beech	1,003	946	23	0.6	0.6
Goulburn Valley	1,568	1,526	54	0.9	0.9
Mornington Peninsula	697	658	42	0.4	0.4
Murray Darling VIC	16,198	15,629	4,490	9.4	9.4
Rutherglen	1,052	1,024	19	0.6	0.6
Swan Hill VIC	6,206	6,015	1,710	3.6	3.6
West/Central Highlands	1,463	1,412	38	0.8	0.8
Yarra Valley	2,662	2,587	27	1.5	1.6
Vic Other	6,623	6,297	753	3.8	3.8
Vic Total	37,472	36,094	7,157	21.7	21.7
Great Southern	3,253	3,146	17	1.9	1.9
Margaret River	5,761	5,356	207	3.3	3.2
Swan District	1,160	1,113	286	0.7	0.7
WA Other	3,257	3,131	381	1.9	1.9
WA Total	13,431	12,746	891	7.8	7.7
Tasmania	1,507	1,224	12	0.9	0.7
Darling Downs SD Bal	606	597	108	0.4	0.4
Qld Other	2,570	2,493	1,881	1.5	1.5
Qld Total	3,176	3,090	1,989	1.8	1.9
Total regions studied	151,935	146,333	10,546	88.0	88.0
Total other regions	20,740	19,863	3,783	12.0	12.0
Total Australia	172,676	166,197	14,329	100	100
Climatic Zones					
Hot	75094	72370	10808	43	44
Warm	79029	76260	2982	46	46
Cool	18192	17239	325	11	10

Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008

Table 24: Winegrape and other grape production volume, and shares of national total, 2008
(tonnes and percent)

	Volume of production of winegrapes (t)	Volume of production of grapes for non-wine purposes (t)	Region's share of national winegrape production	Region's share of national production of grapes for non-wine purposes
Adelaide Hills	37,711	405	2.1	0.3
Barossa/Eden Valley	88,551	-	4.8	-
Clare Valley	25,221	15	1.4	0.0
Coonawarra	48,285	1	2.6	0.0
Langhorne/Curr Creek	71,141	-	3.9	-
McLaren Vale	56,683	116	3.1	0.1
Other Limestone Coast	75,290	-	4.1	-
Riverland	382,322	1,844	20.8	1.6
SA Other	23,907	22	1.3	0.0
SA Total	809,113	2,402	44.0	2.0
Canberra District	2,036	-	0.1	-
Hunter	25,480	2	1.4	0.0
Mudgee/Cowra	46,883	0	2.6	0.0
Murray Darling NSW	128,127	14,224	7.0	12.0
Orange	14,061	0	0.8	0.0
Riverina	272,071	435	14.8	0.4
NSW Other	47,331	3,759	2.6	3.2
NSW Total	535,989	18,421	29.2	15.5
Alpine V/Beech	9,743	-	0.5	-
Goulburn Valley	15,105	96	0.8	0.1
Mornington Peninsula	4,600	-	0.3	-
Murray Darling VIC	202,506	52,066	11.0	43.9
Rutherglen	6,540	-	0.4	-
Swan Hill VIC	77,577	22,659	4.2	19.1
West/Central Highlands	5,017	-	0.3	-
Yarra Valley	20,962	-	1.1	-
Vic Other	52,503	7,471	2.9	6.3
Vic Total	394,551	82,291	21.5	69.4
Great Southern	19,722	1	1.1	0.0
Margaret River	36,518	83	2.0	0.1
Swan District	6,325	1,865	0.3	1.6
WA Other	19,632	2,275	1.1	1.9
WA Total	82,197	4,224	4.5	3.6
Tasmania	10,749	-	0.6	-
Darling Downs SD Bal	2,143	167	0.1	0.1
Qld Other	1,164	11,139	0.1	9.4
Qld Total	3,307	11,306	0.2	9.5
Total regions studied	1,691,369	93,978	92.1	79.2
Total other regions	145,665	24,666	7.9	20.8
Total Australia	1,837,034	118,644	100	100
Climatic Zones				
Hot	1,070,092	104,232	58	88
Warm	626,711	14,007	34	12
Cool	139,103	406	8	0

Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008

Table 25: Yield per hectare, winegrapes and other grapes, in tonnes and relative to the national average, 2006 and 2008

	2006		2008	
	Yield per hectare of bearing vineyards for wine	Yield of bearing vineyards for wine in region rel. to nationally (%)	Yield per hectare of bearing vineyards for wine	Yield of bearing vineyards for wine in region rel. to nationally (%)
Adelaide Hills	8.4	74	9.8	89
Barossa/Eden Valley	8.4	74	7.5	68
Clare Valley	7.3	64	5.4	49
Coonawarra	6.5	58	7.7	70
Langhorne/Curr Creek	11.3	99	10.2	92
McLaren Vale	9.7	85	9.3	85
Other Limestone Coast	10.8	95	10.4	94
Riverland	20.7	183	17.9	162
SA Other	7.7	68	8.9	81
SA Total	12.6	111	11.4	103
Canberra District	3.9	34	5.8	53
Hunter	5.9	52	6.3	57
Mudgee/Cowra	10.7	95	8.7	79
Murray Darling NSW	17.0	150	16.9	153
Orange	7.0	62	9.4	85
Riverina	16.4	145	15.0	136
NSW Other	7.6	67	9.6	87
NSW Total	13.3	117	12.8	116
Alpine V/Beech	8.4	74	10.3	93
Goulburn Valley	6.3	56	9.9	90
Mornington Peninsula	5.2	46	7.0	63
Murray Darling VIC	12.7	112	13.0	117
Rutherglen	7.4	66	6.4	58
Swan Hill VIC	9.3	83	12.9	117
West/Central Highlands	4.1	36	3.6	32
Yarra Valley	6.3	56	8.1	73
Vic Other	6.4	56	8.3	75
Vic Total	9.7	86	10.9	99
Great Southern	4.6	41	6.3	57
Margaret River	5.8	51	6.8	62
Swan District	6.4	57	5.7	51
WA Other	4.7	42	6.3	57
WA Total	5.3	47	6.4	58
Tasmania	5.6	49	8.8	79
Darling Downs SD Bal	4.0	36	3.6	32
Qld Other	1.3	11	0.5	4
Qld Total	1.9	17	1.1	10
Total regions studied	12.0	106	11.6	106
Total other regions	6.0	53	7.3	66
Total Australia	11.3	100	11.1	100
Climatic Zones				
Hot	17.1	151	16.0	144
Warm	8.5	75	8.5	77
Cool	6.8	60	8.3	75

Source: Data underlying ABS Catalogue No. 1329.0, accessed from www.abs.gov.au, December 2008

Table 26: Grape and wine data, Adelaide Hills (cool)

	2008^a
Area of total vineyards for wine (ha)	4045
Volume of production of winegrapes (T)	37711
Yield per hectare of bearing winegrape vines	9.85
Number of grapegrowing establishments, total	111
Number of winemaking establishments, total	110
Number employed in grapegrowing, persons*	193
Number employed in winemaking, persons*	197
Share of national winegrape vines area, (%)	2.34
Grape's share total cropped area, (%)*	29.53
Grape share of total ag output value, (%)*	7.47
Grape share of total value added in ag., (%)*	6.58
Grape and wine share of value added in total economy, (%)*	2.01
Region's share of national grape and wine value added, (%)*	1.23
Region's share of national grape and wine employment, (%)*	1.36
Grape share of regional ag employment, (%)*	15.81
Grape and wine share of regional total employment, (%)*	1.88
Share of winegrape production volume that is commercial premium (%)	23.23
Share of winegrape production volume that is super-premium (%)	74.75
Share of winegrape production value that is commercial premium (%)	13.44
Share of winegrape production value that is super-premium (%)	86.10
Ratio of regional to national share of cropped area under vine*	42.39
Ratio of regional to national winegrape yield per ha	0.89
Ratio of regional to national share of agric employment in grape growing*	3.81
Ratio of regional to national share of total employment in grape growing and winemaking*	5.94

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	7.8	8.3	18.9	11.0	16.5	38.6	26.4	24.8	25.8	34.6
Share of national volume of winegrape product (%)	0.70	0.73	1.39	0.74	1.22	2.21	1.43	1.34	1.93	1.97
Average price of winegrapes (\$/t)	1715	1665	1673	1727	1677	1459	1457	1371	1613	1640
Value of winegrapes (\$ millions)	13.3	13.8	31.7	19.1	27.6	56.4	38.5	34.0	41.6	56.8
Share of national value of winegrape production	1.37	1.53	2.50	1.51	2.37	4.05	2.92	3.05	4.89	3.95
Ratio of regional to national winegrape price per tonne	1.95	2.08	1.79	2.04	1.95	1.83	2.05	2.27	2.54	2.01

Table 27: Grape and wine data, Barossa/Eden Valley (warm)

Series	
Area of total vineyards for wine (ha)	12292
Volume of production of winegrapes (T)	88551
Yield per hectare of bearing winegrape vines	7.54
Number of grapegrowing establishments, total	545
Number of winemaking establishments, total	541
Number employed in grapegrowing, persons*	788
Number employed in winemaking, persons*	1889
Share of national winegrape vines area, (%)	7.12
Grape's share total cropped area, (%)*	9.17
Grape share of total ag output value, (%)*	17.23
Grape share of total value added in ag., (%)*	15.99
Grape and wine share of value added in total economy, (%)*	16.56
Region's share of national grape and wine value added, (%)*	10.37
Region's share of national grape and wine employment, (%)*	9.32
Grape share of regional ag employment, (%)*	36.68
Grape and wine share of regional total employment, (%)*	13.44
Share of winegrape production volume that is commercial premium (%)	48.40
Share of winegrape production volume that is super-premium (%)	49.96
Share of winegrape production value that is commercial premium (%)	32.49
Share of winegrape production value that is super-premium (%)	66.87
Ratio of regional to national share of cropped area under vine*	13.17
Ratio of regional to national winegrape yield per ha	0.68
Ratio of regional to national share of agric employment in grape growing*	8.85
Ratio of regional to national share of total employment in grape growing and winemaking*	42.58

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	63.6	44.0	64.9	66.0	58.3	86.9	100.5	92.3	48.3	80.6
Share of national volume of winegrape product (%)	5.73	3.89	4.78	4.41	4.30	4.97	5.42	5.01	3.61	4.58
Average price of winegrapes (\$/t)	1282	1357	1449	1449	1420	1248	1114	978	1160	1372
Value of winegrapes (\$ millions)	81.62	59.72	94.14	95.68	82.74	108.44	111.94	90.29	56.08	110.58
Share of national value of winegrape production	8.34	6.60	7.42	7.56	7.10	7.80	8.49	8.11	6.59	7.69
Ratio of regional to national winegrape price per tonne	1.46	1.70	1.55	1.71	1.65	1.57	1.57	1.62	1.82	1.68

Table 28: Grape and wine data, Clare Valley (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	4784
Volume of production of winegrapes (T)	25221
Yield per hectare of bearing winegrape vines	5.43
Number of grapegrowing establishments, total	192
Number of winemaking establishments, total	191
Number employed in grapegrowing, persons*	336
Number employed in winemaking, persons*	312
Share of national winegrape vines area, (%)	2.77
Grape's share total cropped area, (%)*	0.97
Grape share of total ag output value, (%)*	5.38
Grape share of total value added in ag., (%)*	4.35
Grape and wine share of value added in total economy, (%)*	6.99
Region's share of national grape and wine value added, (%)*	1.97
Region's share of national grape and wine employment, (%)*	2.26
Grape share of regional ag employment, (%)*	14.28
Grape and wine share of regional total employment, (%)*	7.59
Share of winegrape production volume that is commercial premium (%)	47.00
Share of winegrape production volume that is super-premium (%)	53.00
Share of winegrape production value that is commercial premium (%)	35.31
Share of winegrape production value that is super-premium (%)	64.69
Ratio of regional to national share of cropped area under vine*	1.39
Ratio of regional to national winegrape yield per ha	0.49
Ratio of regional to national share of agric employment in grape growing*	3.45
Ratio of regional to national share of total employment in grape growing and winemaking*	24.05

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	19.7	12.4	23.5	27.3	19.2	33.0	30.5	35.4	17.3	22.8
Share of national volume of winegrape product (%)	1.77	1.10	1.73	1.82	1.42	1.89	1.64	1.92	1.29	1.29
Average price of winegrapes (\$/t)	1311	1366	1424	1459	1509	1373	1258	1073	1181	1303
Value of winegrapes (\$ millions)	25.8	17.0	33.5	39.8	29.0	45.4	38.3	37.9	20.4	29.7
Share of national value of winegrape production	2.64	1.88	2.64	3.14	2.49	3.26	2.91	3.41	2.39	2.06
Ratio of regional to national winegrape price per tonne	1.49	1.71	1.53	1.73	1.75	1.73	1.77	1.78	1.86	1.59

Table 29: Grape and wine data, Coonawarra (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	6453
Volume of production of winegrapes (T)	48285
Yield per hectare of bearing winegrape vines	7.75
Number of grapegrowing establishments, total	133
Number of winemaking establishments, total	132
Number employed in grapegrowing, persons*	218
Number employed in winemaking, persons*	321
Share of national winegrape vines area, (%)	3.74
Grape's share total cropped area, (%)*	19.54
Grape share of total ag output value, (%)*	3.70
Grape share of total value added in ag., (%)*	2.93
Grape and wine share of value added in total economy, (%)*	2.81
Region's share of national grape and wine value added, (%)*	1.86
Region's share of national grape and wine employment, (%)*	1.88
Grape share of regional ag employment, (%)*	10.03
Grape and wine share of regional total employment, (%)*	2.65
Share of winegrape production volume that is commercial premium (%)	33.33
Share of winegrape production volume that is super-premium (%)	64.65
Share of winegrape production value that is commercial premium (%)	20.03
Share of winegrape production value that is super-premium (%)	79.24
Ratio of regional to national share of cropped area under vine*	28.05
Ratio of regional to national winegrape yield per ha	0.70
Ratio of regional to national share of agric employment in grape growing*	2.42
Ratio of regional to national share of total employment in grape growing and winemaking*	8.40

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	24.4	22.2	53.1	17.8	23.0	62.7	36.5	32.5	17.0	40.6
Share of national volume of winegrape product (%)	2.19	1.96	3.91	1.19	1.70	3.58	1.97	1.76	1.27	2.30
Average price of winegrapes (\$/t)	1869	1826	1703	1770	1771	1097	982	850	1270	1319
Value of winegrapes (\$ millions)	45.5	40.5	90.5	31.5	40.8	68.7	35.8	27.6	21.6	53.5
Share of national value of winegrape production	4.65	4.47	7.13	2.49	3.50	4.94	2.72	2.48	2.54	3.72
Ratio of regional to national winegrape price per tonne	2.12	2.28	1.82	2.09	2.06	1.38	1.38	1.41	2.00	1.61

Table 30: Grape and wine data, Langhorne/Currency Creek (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	7070
Volume of production of winegrapes (T)	71141
Yield per hectare of bearing winegrape vines	10.19
Number of grapegrowing establishments, total	157
Number of winemaking establishments, total	157
Number employed in grapegrowing, persons*	309
Number employed in winemaking, persons*	204
Share of national winegrape vines area, (%)	4.09
Grape's share total cropped area, (%)*	19.72
Grape share of total ag output value, (%)*	10.33
Grape share of total value added in ag., (%)*	9.08
Grape and wine share of value added in total economy, (%)*	3.64
Region's share of national grape and wine value added, (%)*	1.42
Region's share of national grape and wine employment, (%)*	1.79
Grape share of regional ag employment, (%)*	21.20
Grape and wine share of regional total employment, (%)*	3.69
Share of winegrape production volume that is commercial premium (%)	70.01
Share of winegrape production volume that is super-premium (%)	28.18
Share of winegrape production value that is commercial premium (%)	59.45
Share of winegrape production value that is super-premium (%)	39.93
Ratio of regional to national share of cropped area under vine*	28.32
Ratio of regional to national winegrape yield per ha	0.92
Ratio of regional to national share of agric employment in grape growing*	5.12
Ratio of regional to national share of total employment in grape growing and winemaking*	11.70

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	25.5	26.1	51.3	44.9	49.3	54.4	60.9	68.2	46.9	69.2
Share of national volume of winegrape product (%)	2.30	2.31	3.78	3.00	3.64	3.11	3.28	3.70	3.50	3.93
Average price of winegrapes (\$/t)	1503	1429	1429	1393	1364	1168	1072	935	1015	1058
Value of winegrapes (\$ millions)	38.3	37.3	73.3	62.5	67.2	63.5	65.2	63.8	47.6	73.2
Share of national value of winegrape production	3.91	4.12	5.78	4.94	5.76	4.57	4.95	5.73	5.59	5.09
Ratio of regional to national winegrape price per tonne	1.71	1.79	1.53	1.65	1.59	1.47	1.51	1.55	1.60	1.29

Table 31: Grape and wine data, McLaren Vale (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	6250
Volume of production of winegrapes (T)	56683
Yield per hectare of bearing winegrape vines	9.34
Number of grapegrowing establishments, total	362
Number of winemaking establishments, total	359
Number employed in grapegrowing, persons*	719
Number employed in winemaking, persons*	1803
Share of national winegrape vines area, (%)	3.62
Grape's share total cropped area, (%)*	84.05
Grape share of total ag output value, (%)*	23.98
Grape share of total value added in ag., (%)*	25.13
Grape and wine share of value added in total economy, (%)*	1.33
Region's share of national grape and wine value added, (%)*	9.75
Region's share of national grape and wine employment, (%)*	8.78
Grape share of regional ag employment, (%)*	32.23
Grape and wine share of regional total employment, (%)*	0.99
Share of winegrape production volume that is commercial premium (%)	36.36
Share of winegrape production volume that is super-premium (%)	60.61
Share of winegrape production value that is commercial premium (%)	23.17
Share of winegrape production value that is super-premium (%)	76.12
Ratio of regional to national share of cropped area under vine*	120.66
Ratio of regional to national winegrape yield per ha	0.85
Ratio of regional to national share of agric employment in grape growing*	7.78
Ratio of regional to national share of total employment in grape growing and winemaking*	3.13

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	49.8	35.7	55.9	49.1	43.5	71.5	65.2	63.3	35.3	54.6
Share of national volume of winegrape product (%)	4.48	3.15	4.11	3.28	3.21	4.09	3.51	3.43	2.64	3.10
Average price of winegrapes (\$/t)	1499	1609	1681	1695	1611	1367	1256	1097	1292	1604
Value of winegrapes (\$ millions)	74.6	57.4	93.9	83.3	70.0	97.8	81.8	69.4	45.6	87.6
Share of national value of winegrape production	7.62	6.34	7.41	6.58	6.00	7.03	6.21	6.23	5.36	6.09
Ratio of regional to national winegrape price per tonne	1.70	2.01	1.80	2.00	1.87	1.72	1.77	1.82	2.03	1.96

Table 32: Grape and wine data, Other Limestone Coast (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	7479
Volume of production of winegrapes (T)	75290
Yield per hectare of bearing winegrape vines	10.44
Number of grapegrowing establishments, total	113
Number of winemaking establishments, total	112
Number employed in grapegrowing, persons*	266
Number employed in winemaking, persons*	325
Share of national winegrape vines area, (%)	4.33
Grape's share total cropped area, (%)*	4.75
Grape share of total ag output value, (%)*	2.92
Grape share of total value added in ag., (%)*	2.29
Grape and wine share of value added in total economy, (%)*	5.44
Region's share of national grape and wine value added, (%)*	1.94
Region's share of national grape and wine employment, (%)*	2.06
Grape share of regional ag employment, (%)*	9.33
Grape and wine share of regional total employment, (%)*	6.14
Share of winegrape production volume that is commercial premium (%)	57.47
Share of winegrape production volume that is super-premium (%)	32.82
Share of winegrape production value that is commercial premium (%)	46.54
Share of winegrape production value that is super-premium (%)	49.53
Ratio of regional to national share of cropped area under vine*	6.83
Ratio of regional to national winegrape yield per ha	0.94
Ratio of regional to national share of agric employment in grape growing*	2.25
Ratio of regional to national share of total employment in grape growing and winemaking*	19.46

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	na	18.9	52.3	29.7	40.9	79.6	50.4	67.6	33.9	70.4
Share of national volume of winegrape product (%)	na	1.67	3.85	1.98	3.02	4.55	2.72	3.66	2.53	4.00
Average price of winegrapes (\$/t)	na	1285	1480	1471	1430	1149	1104	931	1106	1099
Value of winegrapes (\$ millions)	na	24.3	77.4	43.7	58.5	91.5	55.7	62.9	37.5	77.4
Share of national value of winegrape production	na	2.68	6.10	3.45	5.02	6.58	4.22	5.65	4.40	5.38
Ratio of regional to national winegrape price per tonne	na	1.61	1.59	1.74	1.66	1.44	1.55	1.54	1.74	1.35

Table 33: Grape and wine data, Riverland (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	21947
Volume of production of winegrapes (T)	382322
Yield per hectare of bearing winegrape vines	17.89
Number of grapegrowing establishments, total	1114
Number of winemaking establishments, total	1098
Number employed in grapegrowing, persons*	1197
Number employed in winemaking, persons*	835
Share of national winegrape vines area, (%)	12.71
Grape's share total cropped area, (%)*	4.62
Grape share of total ag output value, (%)*	22.20
Grape share of total value added in ag., (%)*	17.50
Grape and wine share of value added in total economy, (%)*	11.08
Region's share of national grape and wine value added, (%)*	5.62
Region's share of national grape and wine employment, (%)*	7.07
Grape share of regional ag employment, (%)*	30.41
Grape and wine share of regional total employment, (%)*	11.39
Share of winegrape production volume that is commercial premium (%)	75.00
Share of winegrape production volume that is super-premium (%)	0.00
Share of winegrape production value that is commercial premium (%)	80.34
Share of winegrape production value that is super-premium (%)	0.00
Ratio of regional to national share of cropped area under vine*	6.63
Ratio of regional to national winegrape yield per ha	1.62
Ratio of regional to national share of agric employment in grape growing*	7.34
Ratio of regional to national share of total employment in grape growing and winemaking*	36.07

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	259.0	293.8	327.1	433.9	369.1	440.1	482.2	464.4	323.2	401.3
Share of national volume of winegrape product (%)	23.3	26.0	24.1	29.0	27.2	25.2	26.0	25.2	24.2	22.8
Average price of winegrapes (\$/t)	749	652	658	674	578	532	479	377	385	572
Value of winegrapes (\$ millions)	194.0	191.4	215.3	292.4	213.4	234.0	230.9	175.0	124.3	229.5
Share of national value of winegrape production	19.8	21.2	17.0	23.1	18.3	16.8	17.5	15.7	14.6	15.9
Ratio of regional to national winegrape price per tonne	0.85	0.81	0.71	0.80	0.67	0.67	0.67	0.62	0.60	0.70

Table 34: Grape and wine data, SA Other (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	2834
Volume of production of winegrapes (T)	23907
Yield per hectare of bearing winegrape vines	8.93
Number of grapegrowing establishments, total	179
Number of winemaking establishments, total	173
Number employed in grapegrowing, persons*	305
Number employed in winemaking, persons*	753
Share of national winegrape vines area, (%)	1.64
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	1.17
Grape share of total value added in ag., (%)*	0.91
Grape and wine share of value added in total economy, (%)*	0.40
Region's share of national grape and wine value added, (%)*	4.08
Region's share of national grape and wine employment, (%)*	3.69
Grape share of regional ag employment, (%)*	2.57
Grape and wine share of regional total employment, (%)*	0.33
Share of winegrape production volume that is commercial premium (%)	60.52
Share of winegrape production volume that is super-premium (%)	39.28
Share of winegrape production value that is commercial premium (%)	49.29
Share of winegrape production value that is super-premium (%)	50.63
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.81
Ratio of regional to national share of agric employment in grape growing*	0.62
Ratio of regional to national share of total employment in grape growing and winemaking*	1.04

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	44.4	20.8	31.7	27.4	34.2	53.8	46.0	56.1	27.9	43.4
Share of national volume of winegrape product (%)	4.0	1.8	2.3	1.8	2.5	3.1	2.5	3.0	2.1	2.5
Average price of winegrapes (\$/t)	1331	1357	1411	1236	1257	985	851	850	922	1098
Value of winegrapes (\$ millions)	59.1	28.3	44.7	33.8	43.0	53.0	39.2	47.7	25.7	47.7
Share of national value of winegrape production	6.0	3.1	3.5	2.7	3.7	3.8	3.0	4.3	3.0	3.3
Ratio of regional to national winegrape price per tonne	1.51	1.70	1.51	1.46	1.46	1.24	1.20	1.41	1.45	1.34

Table 35: Grape and wine data, SA Total

Series	2008 ^a
Area of total vineyards for wine (ha)	73155
Volume of production of winegrapes (T)	809113
Yield per hectare of bearing winegrape vines	11.44
Number of grapegrowing establishments, total	2906
Number of winemaking establishments, total	2873
Number employed in grapegrowing, persons*	4330
Number employed in winemaking, persons*	6641
Share of national winegrape vines area, (%)	42.37
Grape's share total cropped area, (%)*	1.63
Grape share of total ag output value, (%)*	6.60
Grape share of total value added in ag., (%)*	5.4
Grape and wine share of value added in total economy, (%)*	1.8
Region's share of national grape and wine value added, (%)*	38.24
Region's share of national grape and wine employment, (%)*	38.20
Grape share of regional ag employment, (%)*	14.32
Grape and wine share of regional total employment, (%)*	1.59
Share of winegrape production volume that is commercial premium (%)	62.06
Share of winegrape production volume that is super-premium (%)	24.04
Share of winegrape production value that is commercial premium (%)	48.72
Share of winegrape production value that is super-premium (%)	44.63
Ratio of regional to national share of cropped area under vine*	2.33
Ratio of regional to national winegrape yield per ha	1.03
Ratio of regional to national share of agric employment in grape growing*	3.46
Ratio of regional to national share of total employment in grape growing and winemaking*	5.04

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	494.2	482.2	678.8	707.2	653.9	920.5	898.6	904.5	575.5	817.5
Share of national volume of winegrape product (%)	44.5	42.6	50.0	47.2	48.3	52.7	48.4	49.1	43.0	46.4
Average price of winegrapes (\$/t)	1077	974	1111	992	967	889	776	673	731	937
Value of winegrapes (\$ millions)	532.5	469.6	754.4	701.8	632.2	818.5	697.4	608.5	420.4	765.8
Share of national value of winegrape production	54.4	51.9	59.5	55.4	54.2	58.9	52.9	54.7	49.4	53.2
Ratio of regional to national winegrape price per tonne	1.22	1.22	1.19	1.17	1.12	1.12	1.09	1.11	1.15	1.15

Table 36: Grape and wine data, Canberra District (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	362
Volume of production of winegrapes (T)	2036
Yield per hectare of bearing winegrape vines	5.84
Number of grapegrowing establishments, total	81
Number of winemaking establishments, total	81
Number employed in grapegrowing, persons*	66
Number employed in winemaking, persons*	52
Share of national winegrape vines area, (%)	0.21
Grape's share total cropped area, (%)*	0.57
Grape share of total ag output value, (%)*	1.02
Grape share of total value added in ag., (%)*	0.87
Grape and wine share of value added in total economy, (%)*	0.36
Region's share of national grape and wine value added, (%)*	0.33
Region's share of national grape and wine employment, (%)*	0.41
Grape share of regional ag employment, (%)*	1.53
Grape and wine share of regional total employment, (%)*	0.39
Share of winegrape production volume that is commercial premium (%)	82.60
Share of winegrape production volume that is super-premium (%)	0.00
Share of winegrape production value that is commercial premium (%)	88.80
Share of winegrape production value that is super-premium (%)	0.00
Ratio of regional to national share of cropped area under vine*	0.82
Ratio of regional to national winegrape yield per ha	0.53
Ratio of regional to national share of agric employment in grape growing*	0.37
Ratio of regional to national share of total employment in grape growing and winemaking*	1.24

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	3.3	na	0.6	0.4	0.4	1.2	1.2	1.3	0.6	1.3
Share of national volume of winegrape product (%)	0.3	na	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1
Average price of winegrapes (\$/t)	na	na	1442	1448	1513	1567	1627	1659	824	1439
Value of winegrapes (\$ millions)	0	na	0.9	0.5	0.6	1.9	2.0	2.2	0.5	1.8
Share of national value of winegrape production	0	na	0.1	0.0	0.0	0.1	0.2	0.2	0.1	0.1
Ratio of regional to national winegrape price per tonne	na	na	1.54	1.71	1.76	1.97	2.29	2.75	1.29	1.76

Table 37: Grape and wine data, Hunter (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	4093
Volume of production of winegrapes (T)	25480
Yield per hectare of bearing winegrape vines	6.34
Number of grapegrowing establishments, total	94
Number of winemaking establishments, total	93
Number employed in grapegrowing, persons*	146
Number employed in winemaking, persons*	256
Share of national winegrape vines area, (%)	2.37
Grape's share total cropped area, (%)*	5.56
Grape share of total ag output value, (%)*	3.78
Grape share of total value added in ag., (%)*	2.85
Grape and wine share of value added in total economy, (%)*	0.74
Region's share of national grape and wine value added, (%)*	1.44
Region's share of national grape and wine employment, (%)*	1.40
Grape share of regional ag employment, (%)*	4.02
Grape and wine share of regional total employment, (%)*	1.02
Share of winegrape production volume that is commercial premium (%)	60.78
Share of winegrape production volume that is super-premium (%)	24.51
Share of winegrape production value that is commercial premium (%)	55.66
Share of winegrape production value that is super-premium (%)	38.42
Ratio of regional to national share of cropped area under vine*	7.98
Ratio of regional to national winegrape yield per ha	0.57
Ratio of regional to national share of agric employment in grape growing*	0.97
Ratio of regional to national share of total employment in grape growing and winemaking*	3.25

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	32.1	29.9	26.1	26.8	17.7	24.7	17.5	16.0	18.1	17.5
Share of national volume of winegrape product (%)	2.9	2.6	1.9	1.8	1.3	1.4	0.9	0.9	1.4	1.0
Average price of winegrapes (\$/t)	1214	1243	1204	1209	1219	1116	902	813	1015	980
Value of winegrapes (\$ millions)	38.9	37.1	31.4	32.4	21.6	27.5	15.8	13.0	18.4	17.2
Share of national value of winegrape production	4.0	4.1	2.5	2.6	1.9	2.0	1.2	1.2	2.2	1.2
Ratio of regional to national winegrape price per tonne	1.38	1.55	1.29	1.43	1.42	1.40	1.27	1.35	1.59	1.20

Table 38: Grape and wine data, Mudgee/Cowra (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	5478
Volume of production of winegrapes (T)	46883
Yield per hectare of bearing winegrape vines	8.68
Number of grapegrowing establishments, total	57
Number of winemaking establishments, total	54
Number employed in grapegrowing, persons*	72
Number employed in winemaking, persons*	87
Share of national winegrape vines area, (%)	3.17
Grape's share total cropped area, (%)*	1.75
Grape share of total ag output value, (%)*	1.47
Grape share of total value added in ag., (%)*	1.18
Grape and wine share of value added in total economy, (%)*	0.55
Region's share of national grape and wine value added, (%)*	0.52
Region's share of national grape and wine employment, (%)*	0.55
Grape share of regional ag employment, (%)*	2.35
Grape and wine share of regional total employment, (%)*	0.71
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	2.52
Ratio of regional to national winegrape yield per ha	0.79
Ratio of regional to national share of agric employment in grape growing*	0.57
Ratio of regional to national share of total employment in grape growing and winemaking*	2.26

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	28.8	21.5	29.4	30.7	32.9	39.7	47.3	39.2	31.0	45.4
Share of national volume of winegrape product (%)	2.6	1.9	2.2	2.0	2.4	2.3	2.5	2.1	2.3	2.6
Average price of winegrapes (\$/t)	1112	897	1166	1178	1198	1116	863	752	653	676
Value of winegrapes (\$ millions)	32.0	19.3	34.2	36.1	39.4	44.3	40.8	29.5	20.3	30.7
Share of national value of winegrape production	3.3	2.1	2.7	2.9	3.4	3.2	3.1	2.6	2.4	2.1
Ratio of regional to national winegrape price per tonne	1.26	1.12	1.25	1.39	1.39	1.40	1.21	1.24	1.03	0.83

Table 39: Grape and wine data, Murray Darling NSW (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	8005
Volume of production of winegrapes (T)	128127
Yield per hectare of bearing winegrape vines	16.88
Number of grapegrowing establishments, total	317
Number of winemaking establishments, total	260
Number employed in grapegrowing, persons*	348
Number employed in winemaking, persons*	130
Share of national winegrape vines area, (%)	4.64
Grape's share total cropped area, (%)*	5.20
Grape share of total ag output value, (%)*	21.63
Grape share of total value added in ag., (%)*	18.40
Grape and wine share of value added in total economy, (%)*	8.26
Region's share of national grape and wine value added, (%)*	1.07
Region's share of national grape and wine employment, (%)*	1.66
Grape share of regional ag employment, (%)*	32.09
Grape and wine share of regional total employment, (%)*	11.42
Share of winegrape production volume that is commercial premium (%)	62.63
Share of winegrape production volume that is super-premium (%)	0.00
Share of winegrape production value that is commercial premium (%)	68.96
Share of winegrape production value that is super-premium (%)	0.00
Ratio of regional to national share of cropped area under vine*	7.46
Ratio of regional to national winegrape yield per ha	1.53
Ratio of regional to national share of agric employment in grape growing*	7.74
Ratio of regional to national share of total employment in grape growing and winemaking*	36.18

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	157.0	161.7	161.9	187.4	155.0	196.5	219.6	206.3	176.3	181.2
Share of national volume of winegrape product (%)	14.1	14.3	11.9	12.5	11.4	11.2	11.8	11.2	13.2	10.3
Average price of winegrapes (\$/t)	572	543	562	588	589	567	483	374	392	557
Value of winegrapes (\$ millions)	89.8	87.8	90.9	110.2	91.3	111.5	106.0	77.1	69.1	101.0
Share of national value of winegrape production	9.2	9.7	7.2	8.7	7.8	8.0	8.0	6.9	8.1	7.0
Ratio of regional to national winegrape price per tonne	0.65	0.68	0.60	0.70	0.68	0.71	0.68	0.62	0.62	0.68

Table 40: Grape and wine data, Orange (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	1532
Volume of production of winegrapes (T)	14061
Yield per hectare of bearing winegrape vines	9.41
Number of grapegrowing establishments, total	19
Number of winemaking establishments, total	19
Number employed in grapegrowing, persons*	36
Number employed in winemaking, persons*	38
Share of national winegrape vines area, (%)	0.89
Grape's share total cropped area, (%)*	22.79
Grape share of total ag output value, (%)*	4.51
Grape share of total value added in ag., (%)*	3.75
Grape and wine share of value added in total economy, (%)*	0.42
Region's share of national grape and wine value added, (%)*	0.23
Region's share of national grape and wine employment, (%)*	0.26
Grape share of regional ag employment, (%)*	9.43
Grape and wine share of regional total employment, (%)*	0.47
Share of winegrape production volume that is commercial premium (%)	60.61
Share of winegrape production volume that is super-premium (%)	38.38
Share of winegrape production value that is commercial premium (%)	49.84
Share of winegrape production value that is super-premium (%)	49.66
Ratio of regional to national share of cropped area under vine*	32.72
Ratio of regional to national winegrape yield per ha	0.85
Ratio of regional to national share of agric employment in grape growing*	2.28
Ratio of regional to national share of total employment in grape growing and winemaking*	1.50

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	4.3	8.2	8.8	7.1	6.0	7.6	6.6	8.2	4.8	9.3
Share of national volume of winegrape product (%)	0.4	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.5
Average price of winegrapes (\$/t)	1190	1318	1408	1533	1552	1218	1090	827	1065	1054
Value of winegrapes (\$ millions)	5.2	10.8	12.4	10.9	9.3	9.3	7.2	6.8	5.1	9.8
Share of national value of winegrape production	0.5	1.2	1.0	0.9	0.8	0.7	0.5	0.6	0.6	0.7
Ratio of regional to national winegrape price per tonne	1.35	1.65	1.51	1.81	1.80	1.53	1.53	1.37	1.67	1.29

Table 41: Grape and wine data, Riverina (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	19008
Volume of production of winegrapes (T)	272071
Yield per hectare of bearing winegrape vines	14.98
Number of grapegrowing establishments, total	466
Number of winemaking establishments, total	464
Number employed in grapegrowing, persons*	503
Number employed in winemaking, persons*	1009
Share of national winegrape vines area, (%)	11.01
Grape's share total cropped area, (%)*	3.80
Grape share of total ag output value, (%)*	7.89
Grape share of total value added in ag., (%)*	6.53
Grape and wine share of value added in total economy, (%)*	8.69
Region's share of national grape and wine value added, (%)*	5.55
Region's share of national grape and wine employment, (%)*	5.26
Grape share of regional ag employment, (%)*	13.86
Grape and wine share of regional total employment, (%)*	7.63
Share of winegrape production volume that is commercial premium (%)	21.21
Share of winegrape production volume that is super-premium (%)	0.00
Share of winegrape production value that is commercial premium (%)	27.60
Share of winegrape production value that is super-premium (%)	0.00
Ratio of regional to national share of cropped area under vine*	5.46
Ratio of regional to national winegrape yield per ha	1.36
Ratio of regional to national share of agric employment in grape growing*	3.34
Ratio of regional to national share of total employment in grape growing and winemaking*	24.17

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	159.5	163.7	159.3	228.8	196.1	255.1	251.4	295.0	222.2	300.7
Share of national volume of winegrape product (%)	14.4	14.5	11.7	15.3	14.5	14.6	13.6	16.0	16.6	17.1
Average price of winegrapes (\$/t)	599	451	497	479	481	490	452	377	398	497
Value of winegrapes (\$ millions)	95.5	73.8	79.1	109.5	94.4	124.9	113.5	111.2	88.4	149.4
Share of national value of winegrape production	9.8	8.2	6.2	8.6	8.1	9.0	8.6	10.0	10.4	10.4
Ratio of regional to national winegrape price per tonne	0.68	0.56	0.53	0.57	0.56	0.62	0.64	0.62	0.63	0.61

Table 42: Grape and wine data, NSW Other (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	5097
Volume of production of winegrapes (T)	47331
Yield per hectare of bearing winegrape vines	9.59
Number of grapegrowing establishments, total	509
Number of winemaking establishments, total	487
Number employed in grapegrowing, persons*	703
Number employed in winemaking, persons*	1988
Share of national winegrape vines area, (%)	2.95
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	0.67
Grape share of total value added in ag., (%)*	0.56
Grape and wine share of value added in total economy, (%)*	0.10
Region's share of national grape and wine value added, (%)*	10.53
Region's share of national grape and wine employment, (%)*	9.37
Grape share of regional ag employment, (%)*	1.15
Grape and wine share of regional total employment, (%)*	0.10
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.87
Ratio of regional to national share of agric employment in grape growing*	0.28
Ratio of regional to national share of total employment in grape growing and winemaking*	0.31

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	0.6	14.2	15.1	19.5	22.0	26.4	27.9	29.7	19.3	33.5
Share of national volume of winegrape product (%)	0.1	1.3	1.1	1.3	1.6	1.5	1.5	1.6	1.4	1.9
Average price of winegrapes (\$/t)	na	484	1100	1116	1173	1083	837	690	757	872
Value of winegrapes (\$ millions)	na	6.9	16.7	21.7	25.8	28.6	23.4	20.5	14.6	29.2
Share of national value of winegrape production	na	0.8	1.3	1.7	2.2	2.1	1.8	1.8	1.7	2.0
Ratio of regional to national winegrape price per tonne	na	0.60	1.18	1.32	1.36	1.36	1.18	1.14	1.19	1.07

Table 43: Grape and wine data, NSW Total

Series	2008 ^a
Area of total vineyards for wine (ha)	43574
Volume of production of winegrapes (T)	535989
Yield per hectare of bearing winegrape vines	12.77
Number of grapegrowing establishments, total	1543
Number of winemaking establishments, total	1458
Number employed in grapegrowing, persons*	1873
Number employed in winemaking, persons*	3560
Share of national winegrape vines area, (%)	25.23
Grape's share total cropped area, (%)*	0.62
Grape share of total ag output value, (%)*	1.40
Grape share of total value added in ag., (%)*	1.2
Grape and wine share of value added in total economy, (%)*	0.2
Region's share of national grape and wine value added, (%)*	19.67
Region's share of national grape and wine employment, (%)*	18.92
Grape share of regional ag employment, (%)*	2.4
Grape and wine share of regional total employment, (%)*	0.2
Share of winegrape production volume that is commercial premium (%)	46.92
Share of winegrape production volume that is super-premium (%)	1.06
Share of winegrape production value that is commercial premium (%)	54.43
Share of winegrape production value that is super-premium (%)	2.52
Ratio of regional to national share of cropped area under vine*	0.90
Ratio of regional to national winegrape yield per ha	1.16
Ratio of regional to national share of agric employment in grape growing*	0.59
Ratio of regional to national share of total employment in grape growing and winemaking*	0.59

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	385.6	399.2	401.1	500.6	430.1	551.2	571.5	595.7	472.3	588.8
Share of national volume of winegrape product (%)	34.7	35.3	29.5	33.4	31.7	31.5	30.8	32.3	35.3	33.4
Average price of winegrapes (\$/t)	678	590	662	642	656	631	540	437	458	576
Value of winegrapes (\$ millions)	261.3	235.6	265.6	321.4	282.3	348.0	308.7	260.2	216.4	339.0
Share of national value of winegrape production	26.7	26.0	20.9	25.4	24.2	25.0	23.4	23.4	25.4	23.6
Ratio of regional to national winegrape price per tonne	0.77	0.74	0.71	0.76	0.76	0.79	0.76	0.72	0.72	0.70

Table 44: Grape and wine data, Alpine V/Beech (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	1003
Volume of production of winegrapes (T)	9743
Yield per hectare of bearing winegrape vines	10.30
Number of grapegrowing establishments, total	41
Number of winemaking establishments, total	41
Number employed in grapegrowing, persons*	22
Number employed in winemaking, persons*	58
Share of national winegrape vines area, (%)	0.58
Grape's share total cropped area, (%)*	12.43
Grape share of total ag output value, (%)*	1.13
Grape share of total value added in ag., (%)*	0.86
Grape and wine share of value added in total economy, (%)*	1.33
Region's share of national grape and wine value added, (%)*	0.31
Region's share of national grape and wine employment, (%)*	0.28
Grape share of regional ag employment, (%)*	1.93
Grape and wine share of regional total employment, (%)*	1.09
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	17.85
Ratio of regional to national winegrape yield per ha	0.93
Ratio of regional to national share of agric employment in grape growing*	0.47
Ratio of regional to national share of total employment in grape growing and winemaking*	3.46

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	0	14.0	17.2	17.0	9.4	4.7	4.5	4.5	0	4.9
Share of national volume of winegrape product (%)	0	1.2	1.3	1.1	0.7	0.3	0.2	0.2	0	0.3
Average price of winegrapes (\$/t)	na	1172	1058	989	931	918	872	920	na	982
Value of winegrapes (\$ millions)	na	16.4	18.2	16.8	8.7	4.3	3.9	4.2	na	4.8
Share of national value of winegrape production	na	1.8	1.4	1.3	0.7	0.3	0.3	0.4	na	0.3
Ratio of regional to national winegrape price per tonne	na	1.46	1.13	1.17	1.08	1.15	1.23	1.52	na	1.20

Table 45: Grape and wine data, Goulburn Valley (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	1568
Volume of production of winegrapes (T)	15105
Yield per hectare of bearing winegrape vines	9.90
Number of grapegrowing establishments, total	35
Number of winemaking establishments, total	32
Number employed in grapegrowing, persons*	47
Number employed in winemaking, persons*	80
Share of national winegrape vines area, (%)	0.91
Grape's share total cropped area, (%)*	5.45
Grape share of total ag output value, (%)*	1.68
Grape share of total value added in ag., (%)*	1.23
Grape and wine share of value added in total economy, (%)*	0.69
Region's share of national grape and wine value added, (%)*	0.45
Region's share of national grape and wine employment, (%)*	0.44
Grape share of regional ag employment, (%)*	4.07
Grape and wine share of regional total employment, (%)*	0.63
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	7.82
Ratio of regional to national winegrape yield per ha	0.90
Ratio of regional to national share of agric employment in grape growing*	0.98
Ratio of regional to national share of total employment in grape growing and winemaking*	2.00

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	0	0	0	0	5.8	8.0	5.6	7.1	na	4.1
Share of national volume of winegrape product (%)	0	0	0	0	0.4	0.5	0.3	0.4	na	0.2
Average price of winegrapes (\$/t)	na	na	na	na	1068	1126	877	833	na	847
Value of winegrapes (\$ millions)	na	na	na	na	6.2	9.0	4.9	5.9	na	3.5
Share of national value of winegrape production	na	na	na	na	0.5	0.6	0.4	0.5	na	0.2
Ratio of regional to national winegrape price per tonne	na	na	na	na	1.24	1.42	1.23	1.38	na	1.04

Table 46: Grape and wine data, Mornington Peninsula (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	697
Volume of production of winegrapes (T)	4600
Yield per hectare of bearing winegrape vines	6.99
Number of grapegrowing establishments, total	78
Number of winemaking establishments, total	77
Number employed in grapegrowing, persons*	86
Number employed in winemaking, persons*	185
Share of national winegrape vines area, (%)	0.40
Grape's share total cropped area, (%)*	12.73
Grape share of total ag output value, (%)*	6.41
Grape share of total value added in ag., (%)*	6.10
Grape and wine share of value added in total economy, (%)*	0.54
Region's share of national grape and wine value added, (%)*	1.01
Region's share of national grape and wine employment, (%)*	0.95
Grape share of regional ag employment, (%)*	9.19
Grape and wine share of regional total employment, (%)*	0.47
Share of winegrape production volume that is commercial premium (%)	9.90
Share of winegrape production volume that is super-premium (%)	90.10
Share of winegrape production value that is commercial premium (%)	4.89
Share of winegrape production value that is super-premium (%)	95.11
Ratio of regional to national share of cropped area under vine*	18.28
Ratio of regional to national winegrape yield per ha	0.63
Ratio of regional to national share of agric employment in grape growing*	2.22
Ratio of regional to national share of total employment in grape growing and winemaking*	1.48

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	0.7	1.4	1.5	0.5	0.7	3.1	3.0	2.3	2.1	2.7
Share of national volume of winegrape product (%)	0.1	0.1	0.1	0.0	0.1	0.2	0.2	0.1	0.2	0.2
Average price of winegrapes (\$/t)	1790	1842	1756	1658	1575	1529	1660	1573	1834	1950
Value of winegrapes (\$ millions)	1.2	2.6	2.6	0.8	1.1	4.7	4.9	3.6	3.9	5.2
Share of national value of winegrape production	0.1	0.3	0.2	0.1	0.1	0.3	0.4	0.3	0.5	0.4
Ratio of regional to national winegrape price per tonne	2.03	2.30	1.88	1.96	1.83	1.92	2.34	2.61	2.88	2.39

Table 47: Grape and wine data, Murray Darling, Victoria (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	16198
Volume of production of winegrapes (T)	202506
Yield per hectare of bearing winegrape vines	12.96
Number of grapegrowing establishments, total	165
Number of winemaking establishments, total	138
Number employed in grapegrowing, persons*	1220
Number employed in winemaking, persons*	865
Share of national winegrape vines area, (%)	9.38
Grape's share total cropped area, (%)*	0.75
Grape share of total ag output value, (%)*	35.89
Grape share of total value added in ag., (%)*	32.99
Grape and wine share of value added in total economy, (%)*	9.95
Region's share of national grape and wine value added, (%)*	5.84
Region's share of national grape and wine employment, (%)*	7.26
Grape share of regional ag employment, (%)*	61.66
Grape and wine share of regional total employment, (%)*	10.55
Share of winegrape production volume that is commercial premium (%)	62.63
Share of winegrape production volume that is super-premium (%)	0.00
Share of winegrape production value that is commercial premium (%)	68.96
Share of winegrape production value that is super-premium (%)	0.00
Ratio of regional to national share of cropped area under vine*	1.07
Ratio of regional to national winegrape yield per ha	1.17
Ratio of regional to national share of agric employment in grape growing*	14.88
Ratio of regional to national share of total employment in grape growing and winemaking*	33.42

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	99.3	102.3	102.4	118.6	98.1	124.3	138.9	130.6	111.5	114.6
Share of national volume of winegrape product (%)	8.9	9.0	7.5	7.9	7.2	7.1	7.5	7.1	8.3	6.5
Average price of winegrapes (\$/t)	572	543	562	588	589	567	483	374	392	557
Value of winegrapes (\$ millions)	56.8	55.5	57.5	69.7	57.7	70.5	67.1	48.8	43.8	63.9
Share of national value of winegrape production	5.8	6.1	4.5	5.5	5.0	5.1	5.1	4.4	5.1	4.4
Ratio of regional to national winegrape price per tonne	0.65	0.68	0.60	0.70	0.68	0.71	0.68	0.62	0.62	0.68

Table 48: Grape and wine data, Rutherglen (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	1052
Volume of production of winegrapes (T)	6540
Yield per hectare of bearing winegrape vines	6.38
Number of grapegrowing establishments, total	119
Number of winemaking establishments, total	119
Number employed in grapegrowing, persons*	169
Number employed in winemaking, persons*	380
Share of national winegrape vines area, (%)	0.61
Grape's share total cropped area, (%)*	11.51
Grape share of total ag output value, (%)*	8.11
Grape share of total value added in ag., (%)*	5.76
Grape and wine share of value added in total economy, (%)*	5.07
Region's share of national grape and wine value added, (%)*	2.09
Region's share of national grape and wine employment, (%)*	1.91
Grape share of regional ag employment, (%)*	11.74
Grape and wine share of regional total employment, (%)*	3.88
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	16.52
Ratio of regional to national winegrape yield per ha	0.58
Ratio of regional to national share of agric employment in grape growing*	2.83
Ratio of regional to national share of total employment in grape growing and winemaking*	12.29

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	0	3.1	5.4	7.1	4.0	7.6	3.9	0	3.6	0
Share of national volume of winegrape product (%)	0	0.3	0.4	0.5	0.3	0.4	0.2	0	0.3	0
Average price of winegrapes (\$/t)	na	1115	1307	1224	1339	996	1094	na	1003	na
Value of winegrapes (\$ millions)	na	3.4	7.0	8.7	5.4	7.6	4.2	na	3.6	na
Share of national value of winegrape production	na	0.4	0.6	0.7	0.5	0.5	0.3	na	0.4	na
Ratio of regional to national winegrape price per tonne	na	1.39	1.40	1.45	1.56	1.25	1.54	na	1.58	na

Table 49: Grape and wine data, Swan Hill, Victoria (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	6206
Volume of production of winegrapes (T)	77577
Yield per hectare of bearing winegrape vines	12.90
Number of grapegrowing establishments, total	269
Number of winemaking establishments, total	196
Number employed in grapegrowing, persons*	634
Number employed in winemaking, persons*	95
Share of national winegrape vines area, (%)	3.59
Grape's share total cropped area, (%)*	1.86
Grape share of total ag output value, (%)*	7.74
Grape share of total value added in ag., (%)*	6.49
Grape and wine share of value added in total economy, (%)*	2.81
Region's share of national grape and wine value added, (%)*	1.30
Region's share of national grape and wine employment, (%)*	2.54
Grape share of regional ag employment, (%)*	17.78
Grape and wine share of regional total employment, (%)*	5.16
Share of winegrape production volume that is commercial premium (%)	62.63
Share of winegrape production volume that is super-premium (%)	0.00
Share of winegrape production value that is commercial premium (%)	68.96
Share of winegrape production value that is super-premium (%)	0.00
Ratio of regional to national share of cropped area under vine*	2.67
Ratio of regional to national winegrape yield per ha	1.17
Ratio of regional to national share of agric employment in grape growing*	4.29
Ratio of regional to national share of total employment in grape growing and winemaking*	16.36

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	60.1	62.0	62.0	71.8	59.4	75.3	84.1	79.0	67.5	69.4
Share of national volume of winegrape product (%)	5.4	5.5	4.6	4.8	4.4	4.3	4.5	4.3	5.0	3.9
Average price of winegrapes (\$/t)	572	543	562	588	589	567	483	374	392	557
Value of winegrapes (\$ millions)	34.4	33.6	34.8	42.2	35.0	42.7	40.6	29.5	26.5	38.7
Share of national value of winegrape production	3.5	3.7	2.7	3.3	3.0	3.1	3.1	2.7	3.1	2.7
Ratio of regional to national winegrape price per tonne	0.65	0.68	0.60	0.70	0.68	0.71	0.68	0.62	0.62	0.68

Table 50: Grape and wine data, West/Central Highlands (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	1463
Volume of production of winegrapes (T)	5017
Yield per hectare of bearing winegrape vines	3.55
Number of grapegrowing establishments, total	43
Number of winemaking establishments, total	43
Number employed in grapegrowing, persons*	65
Number employed in winemaking, persons*	161
Share of national winegrape vines area, (%)	0.85
Grape's share total cropped area, (%)*	0.65
Grape share of total ag output value, (%)*	2.27
Grape share of total value added in ag., (%)*	1.98
Grape and wine share of value added in total economy, (%)*	4.13
Region's share of national grape and wine value added, (%)*	0.88
Region's share of national grape and wine employment, (%)*	0.78
Grape share of regional ag employment, (%)*	4.10
Grape and wine share of regional total employment, (%)*	3.12
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	0.93
Ratio of regional to national winegrape yield per ha	0.32
Ratio of regional to national share of agric employment in grape growing*	0.99
Ratio of regional to national share of total employment in grape growing and winemaking*	9.88

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	4.0	2.8	4.5	2.3	2.9	7.4	4.3	4.8	2.4	6.9
Share of national volume of winegrape product (%)	0.4	0.2	0.3	0.2	0.2	0.4	0.2	0.3	0.2	0.4
Average price of winegrapes (\$/t)	1254	1349	1346	1439	1553	1629	1572	1382	1446	1699
Value of winegrapes (\$ millions)	5.0	3.7	6.1	3.3	4.5	12.1	6.8	6.7	3.4	11.8
Share of national value of winegrape production	0.5	0.4	0.5	0.3	0.4	0.9	0.5	0.6	0.4	0.8
Ratio of regional to national winegrape price per tonne	1.42	1.69	1.44	1.70	1.80	2.05	2.21	2.29	2.27	2.08

Table 51: Grape and wine data, Yarra Valley (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	2662
Volume of production of winegrapes (T)	20962
Yield per hectare of bearing winegrape vines	8.10
Number of grapegrowing establishments, total	116
Number of winemaking establishments, total	117
Number employed in grapegrowing, persons*	207
Number employed in winemaking, persons*	338
Share of national winegrape vines area, (%)	1.54
Grape's share total cropped area, (%)*	39.15
Grape share of total ag output value, (%)*	12.83
Grape share of total value added in ag., (%)*	10.64
Grape and wine share of value added in total economy, (%)*	0.86
Region's share of national grape and wine value added, (%)*	1.91
Region's share of national grape and wine employment, (%)*	1.90
Grape share of regional ag employment, (%)*	13.29
Grape and wine share of regional total employment, (%)*	0.78
Share of winegrape production volume that is commercial premium (%)	12.24
Share of winegrape production volume that is super-premium (%)	85.71
Share of winegrape production value that is commercial premium (%)	6.23
Share of winegrape production value that is super-premium (%)	93.31
Ratio of regional to national share of cropped area under vine*	56.20
Ratio of regional to national winegrape yield per ha	0.73
Ratio of regional to national share of agric employment in grape growing*	3.21
Ratio of regional to national share of total employment in grape growing and winemaking*	2.48

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	6.3	12.3	14.4	6.1	12.2	19.0	11.0	11.2	6.2	15.5
Share of national volume of winegrape product (%)	0.6	1.1	1.1	0.4	0.9	1.1	0.6	0.6	0.5	0.9
Average price of winegrapes (\$/t)	1906	1721	1654	1762	1698	1721	1529	1515	1755	1731
Value of winegrapes (\$ millions)	12.1	21.2	23.9	10.8	20.7	32.8	16.8	17.0	10.9	26.8
Share of national value of winegrape production	1.2	2.3	1.9	0.9	1.8	2.4	1.3	1.5	1.3	1.9
Ratio of regional to national winegrape price per tonne	2.16	2.15	1.77	2.08	1.97	2.16	2.15	2.51	2.76	2.12

Table 52: Grape and wine data, Victoria, Other (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	6623
Volume of production of winegrapes (T)	52503
Yield per hectare of bearing winegrape vines	8.34
Number of grapegrowing establishments, total	1375
Number of winemaking establishments, total	1133
Number employed in grapegrowing, persons*	798
Number employed in winemaking, persons*	2148
Share of national winegrape vines area, (%)	3.84
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	0.67
Grape share of total value added in ag., (%)*	0.55
Grape and wine share of value added in total economy, (%)*	0.16
Region's share of national grape and wine value added, (%)*	11.55
Region's share of national grape and wine employment, (%)*	10.26
Grape share of regional ag employment, (%)*	1.60
Grape and wine share of regional total employment, (%)*	0.14
Share of winegrape production volume that is commercial premium (%)	52.71
Share of winegrape production volume that is super-premium (%)	30.41
Share of winegrape production value that is commercial premium (%)	43.37
Share of winegrape production value that is super-premium (%)	49.13
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.75
Ratio of regional to national share of agric employment in grape growing*	0.39
Ratio of regional to national share of total employment in grape growing and winemaking*	0.45

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	26.9	11.9	17.2	11.8	18.2	16.2	35.1	39.2	23.2	47.9
Share of national volume of winegrape product (%)	2.4	1.1	1.3	0.8	1.3	0.9	1.9	2.1	1.7	2.7
Average price of winegrapes (\$/t)	1390	1094	1291	1563	1238	1335	921	1023	891	1048
Value of winegrapes (\$ millions)	37.4	13.0	22.3	18.4	22.6	21.6	32.3	40.1	20.7	50.2
Share of national value of winegrape production	3.8	1.4	1.8	1.5	1.9	1.6	2.5	3.6	2.4	3.5
Ratio of regional to national winegrape price per tonne	1.58	1.37	1.38	1.85	1.44	1.68	1.30	1.69	1.40	1.28

Table 53: Grape and wine data, Victoria, Total

Series	2008 ^a
Area of total vineyards for wine (ha)	37472
Volume of production of winegrapes (T)	394551
Yield per hectare of bearing winegrape vines	10.93
Number of grapegrowing establishments, total	2241
Number of winemaking establishments, total	1896
Number employed in grapegrowing, persons*	3248
Number employed in winemaking, persons*	4308
Share of national winegrape vines area, (%)	21.70
Grape's share total cropped area, (%)*	1.11
Grape share of total ag output value, (%)*	2.30
Grape share of total value added in ag., (%)*	1.9
Grape and wine share of value added in total economy, (%)*	0.3
Region's share of national grape and wine value added, (%)*	25.35
Region's share of national grape and wine employment, (%)*	26.31
Grape share of regional ag employment, (%)*	5.1
Grape and wine share of regional total employment, (%)*	0.3
Share of winegrape production volume that is commercial premium (%)	61.08
Share of winegrape production volume that is super-premium (%)	3.11
Share of winegrape production value that is commercial premium (%)	63.75
Share of winegrape production value that is super-premium (%)	18.10
Ratio of regional to national share of cropped area under vine*	1.59
Ratio of regional to national winegrape yield per ha	0.99
Ratio of regional to national share of agric employment in grape growing*	1.24
Ratio of regional to national share of total employment in grape growing and winemaking*	1.05

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	197.4	209.8	224.6	235.2	210.7	265.6	290.4	278.8	216.6	266.0
Share of national volume of winegrape product (%)	17.8	18.6	16.5	15.7	15.6	15.2	15.7	15.1	16.2	15.1
Average price of winegrapes (\$/t)	744	713	767	726	768	773	625	559	521	770
Value of winegrapes (\$ millions)	146.9	149.6	172.4	170.8	161.8	205.3	181.6	155.7	112.7	204.8
Share of national value of winegrape production	15.0	16.5	13.6	13.5	13.9	14.8	13.8	14.0	13.2	14.2
Ratio of regional to national winegrape price per tonne	0.84	0.89	0.82	0.86	0.89	0.97	0.88	0.93	0.82	0.94

Table 54: Grape and wine data, Great Southern (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	3253
Volume of production of winegrapes (T)	19722
Yield per hectare of bearing winegrape vines	6.27
Number of grapegrowing establishments, total	96
Number of winemaking establishments, total	97
Number employed in grapegrowing, persons*	205
Number employed in winemaking, persons*	292
Share of national winegrape vines area, (%)	1.88
Grape's share total cropped area, (%)*	4.53
Grape share of total ag output value, (%)*	6.67
Grape share of total value added in ag., (%)*	5.26
Grape and wine share of value added in total economy, (%)*	3.08
Region's share of national grape and wine value added, (%)*	1.69
Region's share of national grape and wine employment, (%)*	1.73
Grape share of regional ag employment, (%)*	9.26
Grape and wine share of regional total employment, (%)*	2.67
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	6.50
Ratio of regional to national winegrape yield per ha	0.57
Ratio of regional to national share of agric employment in grape growing*	2.23
Ratio of regional to national share of total employment in grape growing and winemaking*	8.46

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	4.7	7.9	11.4	10.6	12.7	na	30.2	11.5	11.3	15.9
Share of national volume of winegrape product (%)	0.4	0.7	0.8	0.7	0.9	na	1.6	0.6	0.8	0.9
Average price of winegrapes (\$/t)	1335	1444	1492	1456	1535	na	1328	1229	1236	1227
Value of winegrapes (\$ millions)	6.3	11.4	17.1	15.4	19.5	na	40.1	14.1	13.9	19.5
Share of national value of winegrape production	0.6	1.3	1.3	1.2	1.7	na	3.0	1.3	1.6	1.4
Ratio of regional to national winegrape price per tonne	1.51	1.80	1.60	1.72	1.78	na	1.87	2.03	1.94	1.50

Table 55: Grape and wine data, Margaret River (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	5761
Volume of production of winegrapes (T)	36518
Yield per hectare of bearing winegrape vines	6.82
Number of grapegrowing establishments, total	243
Number of winemaking establishments, total	238
Number employed in grapegrowing, persons*	456
Number employed in winemaking, persons*	725
Share of national winegrape vines area, (%)	3.34
Grape's share total cropped area, (%)*	32.87
Grape share of total ag output value, (%)*	17.08
Grape share of total value added in ag., (%)*	13.65
Grape and wine share of value added in total economy, (%)*	7.23
Region's share of national grape and wine value added, (%)*	4.18
Region's share of national grape and wine employment, (%)*	4.11
Grape share of regional ag employment, (%)*	33.51
Grape and wine share of regional total employment, (%)*	6.96
Share of winegrape production volume that is commercial premium (%)	23.00
Share of winegrape production volume that is super-premium (%)	77.00
Share of winegrape production value that is commercial premium (%)	14.69
Share of winegrape production value that is super-premium (%)	85.31
Ratio of regional to national share of cropped area under vine*	47.19
Ratio of regional to national winegrape yield per ha	0.62
Ratio of regional to national share of agric employment in grape growing*	8.09
Ratio of regional to national share of total employment in grape growing and winemaking*	22.06

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	13.0	16.4	21.9	22.4	22.2	na	30.6	25.0	31.7	33.8
Share of national volume of winegrape product (%)	1.2	1.5	1.6	1.5	1.6	na	1.7	1.4	2.4	1.9
Average price of winegrapes (\$/t)	1136	1399	1525	1459	1585	na	1438	1513	1501	1446
Value of winegrapes (\$ millions)	14.8	23.0	33.3	32.7	35.1	na	44.0	37.8	47.6	48.9
Share of national value of winegrape production	1.5	2.5	2.6	2.6	3.0	na	3.3	3.4	5.6	3.4
Ratio of regional to national winegrape price per tonne	1.29	1.75	1.63	1.73	1.84	na	2.02	2.51	2.36	1.77

Table 56: Grape and wine data, Swan District (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	1160
Volume of production of winegrapes (T)	6325
Yield per hectare of bearing winegrape vines	5.68
Number of grapegrowing establishments, total	16
Number of winemaking establishments, total	15
Number employed in grapegrowing, persons*	23
Number employed in winemaking, persons*	130
Share of national winegrape vines area, (%)	0.67
Grape's share total cropped area, (%)*	4.30
Grape share of total ag output value, (%)*	0.76
Grape share of total value added in ag., (%)*	0.84
Grape and wine share of value added in total economy, (%)*	0.09
Region's share of national grape and wine value added, (%)*	0.67
Region's share of national grape and wine employment, (%)*	0.53
Grape share of regional ag employment, (%)*	1.69
Grape and wine share of regional total employment, (%)*	0.07
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	6.18
Ratio of regional to national winegrape yield per ha	0.51
Ratio of regional to national share of agric employment in grape growing*	0.41
Ratio of regional to national share of total employment in grape growing and winemaking*	0.22

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	7.4	4.8	6.2	4.7	4.6	na	6.2	6.5	5.1	5.0
Share of national volume of winegrape product (%)	0.7	0.4	0.5	0.3	0.3	na	0.3	0.4	0.4	0.3
Average price of winegrapes (\$/t)	845	898	916	783	851	na	898	843	875	946
Value of winegrapes (\$ millions)	6.2	4.3	5.7	3.6	4.0	na	5.6	5.5	4.5	4.7
Share of national value of winegrape production	0.6	0.5	0.5	0.3	0.3	na	0.4	0.5	0.5	0.3
Ratio of regional to national winegrape price per tonne	0.96	1.12	0.98	0.93	0.99	na	1.26	1.40	1.38	1.16

Table 57: Grape and wine data, WA Other (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	3257
Volume of production of winegrapes (T)	19632
Yield per hectare of bearing winegrape vines	6.27
Number of grapegrowing establishments, total	441
Number of winemaking establishments, total	368
Number employed in grapegrowing, persons*	527
Number employed in winemaking, persons*	722
Share of national winegrape vines area, (%)	1.89
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	0.71
Grape share of total value added in ag., (%)*	0.56
Grape and wine share of value added in total economy, (%)*	0.13
Region's share of national grape and wine value added, (%)*	4.22
Region's share of national grape and wine employment, (%)*	4.35
Grape share of regional ag employment, (%)*	2.15
Grape and wine share of regional total employment, (%)*	0.18
Share of winegrape production volume that is commercial premium (%)	74.07
Share of winegrape production volume that is super-premium (%)	25.93
Share of winegrape production value that is commercial premium (%)	64.51
Share of winegrape production value that is super-premium (%)	35.49
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.57
Ratio of regional to national share of agric employment in grape growing*	0.52
Ratio of regional to national share of total employment in grape growing and winemaking*	0.58

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	8.5	10.5	12.5	13.6	12.5	na	15.2	11.4	17.8	18.2
Share of national volume of winegrape product (%)	0.8	0.9	0.9	0.9	0.9	na	0.8	0.6	1.3	1.0
Average price of winegrapes (\$/t)	1273	1090	1426	1262	1259	na	1200	1107	1143	1138
Value of winegrapes (\$ millions)	10.8	11.5	17.8	17.1	15.8	na	18.2	12.7	20.4	20.7
Share of national value of winegrape production	1.1	1.3	1.4	1.4	1.4	na	1.4	1.1	2.4	1.4
Ratio of regional to national winegrape price per tonne	1.44	1.36	1.53	1.49	1.46	na	1.69	1.83	1.80	1.39

Table 58: Grape and wine data, WA Total

Series	2008 ^a
Area of total vineyards for wine (ha)	13431
Volume of production of winegrapes (T)	82197
Yield per hectare of bearing winegrape vines	6.45
Number of grapegrowing establishments, total	796
Number of winemaking establishments, total	718
Number employed in grapegrowing, persons*	1210
Number employed in winemaking, persons*	1869
Share of national winegrape vines area, (%)	7.78
Grape's share total cropped area, (%)*	0.18
Grape share of total ag output value, (%)*	1.50
Grape share of total value added in ag., (%)*	1.2
Grape and wine share of value added in total economy, (%)*	0.3
Region's share of national grape and wine value added, (%)*	10.76
Region's share of national grape and wine employment, (%)*	10.72
Grape share of regional ag employment, (%)*	4.1
Grape and wine share of regional total employment, (%)*	0.3
Share of winegrape production volume that is commercial premium (%)	36.00
Share of winegrape production volume that is super-premium (%)	64.00
Share of winegrape production value that is commercial premium (%)	24.68
Share of winegrape production value that is super-premium (%)	75.32
Ratio of regional to national share of cropped area under vine*	0.26
Ratio of regional to national winegrape yield per ha	0.58
Ratio of regional to national share of agric employment in grape growing*	0.99
Ratio of regional to national share of total employment in grape growing and winemaking*	1.04

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	33.6	39.6	52.0	51.2	52.0	na	82.2	54.4	65.9	72.9
Share of national volume of winegrape product (%)	3.0	3.5	3.8	3.4	3.8	na	4.4	3.0	4.9	4.1
Average price of winegrapes (\$/t)	1135	1265	1421	1345	1429	na	1313	1288	1310	1287
Value of winegrapes (\$ millions)	38.1	50.1	73.9	68.9	74.3	na	107.9	70.1	86.4	93.8
Share of national value of winegrape production	3.9	5.5	5.8	5.4	6.4	na	8.2	6.3	10.1	6.5
Ratio of regional to national winegrape price per tonne	1.29	1.58	1.52	1.59	1.66	na	1.85	2.13	2.06	1.57

Table 59: Grape and wine data, Tasmania (cool)

Series	2008 ^a
Area of total vineyards for wine (ha)	1507
Volume of production of winegrapes (T)	10749
Yield per hectare of bearing winegrape vines	8.78
Number of grapegrowing establishments, total	235
Number of winemaking establishments, total	223
Number employed in grapegrowing, persons*	232
Number employed in winemaking, persons*	346
Share of national winegrape vines area, (%)	0.87
Grape's share total cropped area, (%)*	2.00
Grape share of total ag output value, (%)*	1.48
Grape share of total value added in ag., (%)*	1.15
Grape and wine share of value added in total economy, (%)*	0.32
Region's share of national grape and wine value added, (%)*	1.87
Region's share of national grape and wine employment, (%)*	2.01
Grape share of regional ag employment, (%)*	2.72
Grape and wine share of regional total employment, (%)*	0.28
Share of winegrape production volume that is commercial premium (%)	1.01
Share of winegrape production volume that is super-premium (%)	98.99
Share of winegrape production value that is commercial premium (%)	0.45
Share of winegrape production value that is super-premium (%)	99.55
Ratio of regional to national share of cropped area under vine*	2.87
Ratio of regional to national winegrape yield per ha	0.79
Ratio of regional to national share of agric employment in grape growing*	0.66
Ratio of regional to national share of total employment in grape growing and winemaking*	0.90

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	na	na	na	na	5.5	6.9	6.6	5.8	5.0	12.5
Share of national volume of winegrape product (%)	na	na	na	na	0.4	0.4	0.4	0.3	0.4	0.7
Average price of winegrapes (\$/t)	na	na	na	na	2359	2303	2416	2512	2607	2573
Value of winegrapes (\$ millions)	na	na	na	na	13.0	15.9	16.0	14.6	13.2	32.2
Share of national value of winegrape production	na	na	na	na	1.1	1.1	1.2	1.3	1.5	2.2
Ratio of regional to national winegrape price per tonne	na	na	na	na	2.74	2.89	3.40	4.16	4.10	3.15

Table 60: Grape and wine data, Darling Downs SD Bal (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	606
Volume of production of winegrapes (T)	2143
Yield per hectare of bearing winegrape vines	3.59
Number of grapegrowing establishments, total	80
Number of winemaking establishments, total	71
Number employed in grapegrowing, persons*	72
Number employed in winemaking, persons*	103
Share of national winegrape vines area, (%)	0.35
Grape's share total cropped area, (%)*	0.09
Grape share of total ag output value, (%)*	0.19
Grape share of total value added in ag., (%)*	0.16
Grape and wine share of value added in total economy, (%)*	0.34
Region's share of national grape and wine value added, (%)*	0.59
Region's share of national grape and wine employment, (%)*	0.61
Grape share of regional ag employment, (%)*	0.68
Grape and wine share of regional total employment, (%)*	0.39
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	0.13
Ratio of regional to national winegrape yield per ha	0.32
Ratio of regional to national share of agric employment in grape growing*	0.16
Ratio of regional to national share of total employment in grape growing and winemaking*	1.24

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	na	na	na	na	0.8	1.7	2.5	2.3	1.5	2.1
Share of national volume of winegrape product (%)	na	na	na	na	0.1	0.1	0.1	0.1	0.1	0.1
Average price of winegrapes (\$/t)	na	na	na	na	1049	931	930	913	1022	1066
Value of winegrapes (\$ millions)	na	na	na	na	0.8	1.6	2.3	2.1	1.5	2.2
Share of national value of winegrape production	na	na	na	na	0.1	0.1	0.2	0.2	0.2	0.2
Ratio of regional to national winegrape price per tonne	na	na	na	na	1.22	1.17	1.31	1.51	1.61	1.30

Table 61: Grape and wine data, Qld Other (hot)

Series	2008 ^a
Area of total vineyards for wine (ha)	2570
Volume of production of winegrapes (T)	1164
Yield per hectare of bearing winegrape vines	0.47
Number of grapegrowing establishments, total	104
Number of winemaking establishments, total	68
Number employed in grapegrowing, persons*	215
Number employed in winemaking, persons*	605
Share of national winegrape vines area, (%)	1.49
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	0.18
Grape share of total value added in ag., (%)*	0.15
Grape and wine share of value added in total economy, (%)*	0.05
Region's share of national grape and wine value added, (%)*	3.14
Region's share of national grape and wine employment, (%)*	2.86
Grape share of regional ag employment, (%)*	0.44
Grape and wine share of regional total employment, (%)*	0.05
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.04
Ratio of regional to national share of agric employment in grape growing*	0.11
Ratio of regional to national share of total employment in grape growing and winemaking*	0.15

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	na	na	1.9	3.5	1.9	1.7	2.6	2.3	0.9	0.9
Share of national volume of winegrape product (%)	na	na	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0
Average price of winegrapes (\$/t)	na	na	978	972	798	632	1072	856	753	925
Value of winegrapes (\$ millions)	na	na	1.9	3.4	1.5	1.1	2.8	2.0	0.7	0.8
Share of national value of winegrape production	na	na	0.1	0.3	0.1	0.1	0.2	0.2	0.1	0.1
Ratio of regional to national winegrape price per tonne	na	na	1.05	1.15	0.93	0.79	1.51	1.42	1.18	1.13

Table 62: Grape and wine data, Qld Total

Series	2008 ^a
Area of total vineyards for wine (ha)	3176
Volume of production of winegrapes (T)	3307
Yield per hectare of bearing winegrape vines	1.07
Number of grapegrowing establishments, total	184
Number of winemaking establishments, total	139
Number employed in grapegrowing, persons*	286
Number employed in winemaking, persons*	709
Share of national winegrape vines area, (%)	1.84
Grape's share total cropped area, (%)*	0.13
Grape share of total ag output value, (%)*	0.20
Grape share of total value added in ag., (%)*	0.2
Grape and wine share of value added in total economy, (%)*	0.1
Region's share of national grape and wine value added, (%)*	3.73
Region's share of national grape and wine employment, (%)*	3.46
Grape share of regional ag employment, (%)*	0.5
Grape and wine share of regional total employment, (%)*	0.1
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	0.18
Ratio of regional to national winegrape yield per ha	0.10
Ratio of regional to national share of agric employment in grape growing*	0.12
Ratio of regional to national share of total employment in grape growing and winemaking*	0.17

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	na	na	1.9	3.5	2.6	3.5	5.1	4.6	2.4	3.0
Share of national volume of winegrape product (%)	na	na	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2
Average price of winegrapes (\$/t)	na	na	978	972	870	781	1003	884	920	1024
Value of winegrapes (\$ millions)	na	na	1.9	3.4	2.3	2.7	5.2	4.1	2.2	3.0
Share of national value of winegrape production	na	na	0.1	0.3	1.3	1.3	1.6	1.7	1.8	2.5
Ratio of regional to national winegrape price per tonne	na	na	1.05	1.15	1.01	0.98	1.41	1.46	1.45	1.25

Table 63: Grape and wine data, NT and ACT (warm)

Series	2008 ^a
Area of total vineyards for wine (ha)	360
Volume of production of winegrapes (T)	1128
Yield per hectare of bearing winegrape vines	3.44
Number of grapegrowing establishments, total	10
Number of winemaking establishments, total	4
Number employed in grapegrowing, persons*	34
Number employed in winemaking, persons*	71
Share of national winegrape vines area, (%)	0.21
Grape's share total cropped area, (%)*	1.13
Grape share of total ag output value, (%)*	0.62
Grape share of total value added in ag., (%)*	0.42
Grape and wine share of value added in total economy, (%)*	0.04
Region's share of national grape and wine value added, (%)*	0.38
Region's share of national grape and wine employment, (%)*	0.37
Grape share of regional ag employment, (%)*	1.50
Grape and wine share of regional total employment, (%)*	0.04
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	1.63
Ratio of regional to national winegrape yield per ha	0.31
Ratio of regional to national share of agric employment in grape growing*	0.36
Ratio of regional to national share of total employment in grape growing and winemaking*	0.13

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	na	na	na	na	na	na	0.6	na	na	na
Share of national volume of winegrape product (%)	na	na	na	na	na	na	0.0	na	na	na
Average price of winegrapes (\$/t)	na	na	na	na	na	na	1536	na	na	na
Value of winegrapes (\$ millions)	na	na	na	na	na	na	0.9	na	na	na
Share of national value of winegrape production	na	na	na	na	na	na	0.1	na	na	na
Ratio of regional to national winegrape price per tonne	na	na	na	na	na	na	2.16	na	na	na

Table 64: Grape and wine data, Total regions studied

Series	2008 ^a
Area of total vineyards for wine (ha)	151935
Volume of production of winegrapes (T)	1691369
Yield per hectare of bearing winegrape vines	11.56
Number of grapegrowing establishments, total	5297
Number of winemaking establishments, total	5078
Number employed in grapegrowing, persons*	8632
Number employed in winemaking, persons*	11217
Share of national winegrape vines area, (%)	87.99
Grape's share total cropped area, (%)*	2.85
Grape share of total ag output value, (%)*	5.80
Grape share of total value added in ag., (%)*	4.6
Grape and wine share of value added in total economy, (%)*	0.31
Region's share of national grape and wine value added, (%)*	66.10
Region's share of national grape and wine employment, (%)*	69.12
Grape share of regional ag employment, (%)*	11.7
Grape and wine share of regional total employment, (%)*	1.4
Share of winegrape production volume that is commercial premium (%)	53.47
Share of winegrape production volume that is super-premium (%)	16.25
Share of winegrape production value that is commercial premium (%)	46.98
Share of winegrape production value that is super-premium (%)	35.60
Ratio of regional to national share of cropped area under vine*	4.08
Ratio of regional to national winegrape yield per ha	1.06
Ratio of regional to national share of agric employment in grape growing*	2.90
Ratio of regional to national share of total employment in grape growing and winemaking*	5.19

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	1030	1073	1280	1422	1266	1650	1728	1705	1249	1617
Share of national volume of winegrape product (%)	92.76	94.92	94.22	94.95	93.44	94.39	93.13	92.48	93.34	91.83
Average price of winegrapes (\$/t)	846	787	910	824	835	780	695	581	616	798
Value of winegrapes (\$ millions)	871	845	1164	1171	1057	1286	1200	990	769	1290
Share of national value of winegrape production	89.04	93.41	91.85	92.54	90.69	92.50	91.13	88.96	90.37	89.67
Ratio of regional to national winegrape price per tonne	0.96	0.98	0.97	0.97	0.97	0.98	0.98	0.96	0.97	0.98

Table 65: Grape and wine data, Total other regions

Series	2008 ^a
Area of total vineyards for wine (ha)	20740
Volume of production of winegrapes (T)	145665
Yield per hectare of bearing winegrape vines	7.33
Number of grapegrowing establishments, total	2618
Number of winemaking establishments, total	2233
Number employed in grapegrowing, persons*	2581
Number employed in winemaking, persons*	6288
Share of national winegrape vines area, (%)	12.01
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	0.60
Grape share of total value added in ag., (%)*	na
Grape and wine share of value added in total economy, (%)*	na
Region's share of national grape and wine value added, (%)*	33.90
Region's share of national grape and wine employment, (%)*	30.88
Grape share of regional ag employment, (%)*	1.3
Grape and wine share of regional total employment, (%)*	0.1
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.66
Ratio of regional to national share of agric employment in grape growing*	0.31
Ratio of regional to national share of total employment in grape growing and winemaking*	0.36

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	80	57	78	76	89	98	127	139	89	144
Share of national volume of winegrape product (%)	7	5	6	5	7	6	7	8	7	8
Average price of winegrapes (\$/t)	1335	1038	1316	1248	1223	1063	917	886	921	1033
Value of winegrapes (\$ millions)	107	60	103	94	109	104	117	123	82	149
Share of national value of winegrape production	11	7	8	7	9	7	9	11	10	10
Ratio of regional to national winegrape price per tonne	1.51	1.30	1.41	1.48	1.42	1.34	1.29	1.47	1.45	1.26

Table 66: Grape and wine data, Total Australia

Series	2008 ^a
Area of total vineyards for wine (ha)	172676
Volume of production of winegrapes (T)	1837034
Yield per hectare of bearing winegrape vines	11.05
Number of grapegrowing establishments, total	7915
Number of winemaking establishments, total	7311
Number employed in grapegrowing, persons*	11213
Number employed in winemaking, persons*	17504
Share of national winegrape vines area, (%)	100
Grape's share total cropped area, (%)*	0.70
Grape share of total ag output value, (%)*	1.90
Grape share of total value added in ag., (%)*	1.5
Grape and wine share of value added in total economy, (%)*	0.3
Region's share of national grape and wine value added, (%)*	100
Region's share of national grape and wine employment, (%)*	100
Grape share of regional ag employment, (%)*	4.1
Grape and wine share of regional total employment, (%)*	0.3
Share of winegrape production volume that is commercial premium (%)	na
Share of winegrape production volume that is super-premium (%)	na
Share of winegrape production value that is commercial premium (%)	na
Share of winegrape production value that is super-premium (%)	na
Ratio of regional to national share of cropped area under vine*	1.00
Ratio of regional to national winegrape yield per ha	1.00
Ratio of regional to national share of agric employment in grape growing*	1.00
Ratio of regional to national share of total employment in grape growing and winemaking*	1.00

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	1111	1131	1358	1498	1355	1748	1855	1844	1338	1761
Share of national volume of winegrape product (%)	100	100	100	100	100	100	100	100	100	100
Average price of winegrapes (\$/t)	881	800	933	846	861	796	710	604	636	817
Value of winegrapes (\$ millions)	979	905	1268	1266	1166	1390	1318	1113	851	1439
Share of national value of winegrape production	100	100	100	100	100	100	100	100	100	100
Ratio of regional to national winegrape price per tonne	1	1	1	1	1	1	1	1	1	1

Table 67: Grape and wine data, Hot climate

Series	2008 ^a
Area of total vineyards for wine (ha)	75094
Volume of production of winegrapes (T)	1070091
Yield per hectare of bearing winegrape vines	16.0
Number of grapegrowing establishments, total	2451
Number of winemaking establishments, total	2239
Number employed in grapegrowing, persons*	4140
Number employed in winemaking, persons*	3670
Share of national winegrape vines area, (%)	43
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	3.0
Grape share of total value added in ag., (%)*	2.8
Grape and wine share of value added in total economy, (%)*	0.6
Region's share of national grape and wine value added, (%)*	23
Region's share of national grape and wine employment, (%)*	27
Grape share of regional ag employment, (%)*	6.0
Grape and wine share of regional total employment, (%)*	3.4
Share of winegrape production volume that is commercial premium (%)	55.6
Share of winegrape production volume that is super-premium (%)	0.0
Share of winegrape production value that is commercial premium (%)	62.6
Share of winegrape production value that is super-premium (%)	0.0
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	1.44
Ratio of regional to national share of agric employment in grape growing*	na
Ratio of regional to national share of total employment in grape growing and winemaking*	na

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	742.2	788.4	820.8	1048.6	884.2	1093	1185.1	1184.1	906.7	1073.1
Share of national volume of winegrape product (%)	66.80	69.71	60.44	70.00	65.25	62.53	63.89	64.21	67.77	60.94
Average price of winegrapes (\$/t)	642	566	591	602	562	535	478	379	394	548
Value of winegrapes (\$ millions)	477	446	485	631	497	585	567	449	357	588
Share of national value of winegrape production	48.69	49.33	38.27	49.85	42.64	42.06	42.98	40.34	41.99	40.86
Ratio of regional to national winegrape price per tonne	0.73	0.71	0.63	0.71	0.65	0.67	0.67	0.63	0.62	0.67

Table 68: Grape and wine data, Warm climate

Series	2008 ^a
Area of total vineyards for wine (ha)	79029
Volume of production of winegrapes (T)	626711
Yield per hectare of bearing winegrape vines	8.5
Number of grapegrowing establishments, total	4626
Number of winemaking establishments, total	4248
Number employed in grapegrowing, persons*	5986
Number employed in winemaking, persons*	12177
Share of national winegrape vines area, (%)	46
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	1.5
Grape share of total value added in ag., (%)*	1.2
Grape and wine share of value added in total economy, (%)*	0.3
Region's share of national grape and wine value added, (%)*	67
Region's share of national grape and wine employment, (%)*	63
Grape share of regional ag employment, (%)*	3.4
Grape and wine share of regional total employment, (%)*	0.3
Share of winegrape production volume that is commercial premium (%)	52.5
Share of winegrape production volume that is super-premium (%)	43.2
Share of winegrape production value that is commercial premium (%)	38.9
Share of winegrape production value that is super-premium (%)	59.6
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.77
Ratio of regional to national share of agric employment in grape growing*	na
Ratio of regional to national share of total employment in grape growing and winemaking*	na

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	322	281.4	427.4	394	400.1	511.1	576.5	572.5	371.8	568.7
Share of national volume of winegrape product (%)	28.98	24.88	31.47	26.30	29.53	29.24	31.08	31.05	27.79	32.29
Average price of winegrapes (\$/t)	1322	1280	1425	1403	1381	1192	1087	969	1072	1157
Value of winegrapes (\$ millions)	425	360	609	552	552	609	626	554	399	658
Share of national value of winegrape production	43.40	39.80	48.04	43.63	47.32	43.81	47.53	49.81	46.87	45.72
Ratio of regional to national winegrape price per tonne	1.50	1.60	1.53	1.66	1.60	1.50	1.53	1.60	1.69	1.42

Table 69: Grape and wine data, Cool climate

Series	2008 ^a
Area of total vineyards for wine (ha)	18193
Volume of production of winegrapes (T)	139103
Yield per hectare of bearing winegrape vines	8.3
Number of grapegrowing establishments, total	838
Number of winemaking establishments, total	824
Number employed in grapegrowing, persons*	1088
Number employed in winemaking, persons*	1658
Share of national winegrape vines area, (%)	11
Grape's share total cropped area, (%)*	na
Grape share of total ag output value, (%)*	2.9
Grape share of total value added in ag., (%)*	2.4
Grape and wine share of value added in total economy, (%)*	0.7
Region's share of national grape and wine value added, (%)*	9
Region's share of national grape and wine employment, (%)*	10
Grape share of regional ag employment, (%)*	5.0
Grape and wine share of regional total employment, (%)*	0.7
Share of winegrape production volume that is commercial premium (%)	40.6
Share of winegrape production volume that is super-premium (%)	53.0
Share of winegrape production value that is commercial premium (%)	23.3
Share of winegrape production value that is super-premium (%)	74.6
Ratio of regional to national share of cropped area under vine*	na
Ratio of regional to national winegrape yield per ha	0.75
Ratio of regional to national share of agric employment in grape growing*	na
Ratio of regional to national share of total employment in grape growing and winemaking*	na

^a All data is for 2008, unless indicated by * in which case it is a 2006 variable.

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Volume of winegrape production (kt)	46.5	61	110.3	55.1	70.5	143.6	93.5	87.3	59.2	118.9
Share of national volume of winegrape product (%)	4.19	5.39	8.12	3.68	5.20	8.22	5.04	4.73	4.42	6.75
Average price of winegrapes (\$/t)	1788	1612	1576	1497	1660	1366	1329	1245	1615	1621
Value of winegrapes (\$ millions)	77	98	174	83	117	197	125	110	95	193
Share of national value of winegrape production	7.89	10.86	13.70	6.54	10.03	14.16	9.47	9.87	11.18	13.41
Ratio of regional to national winegrape price per tonne	2.03	2.02	1.69	1.77	1.93	1.72	1.87	2.06	2.54	1.98

Appendix Table: Climate data, winegrape regions, Australia, 2000

REGION	MEAN JAN TEMP. (°C)	GROWING DEGREE DAYS (°C)	MEAN FEB TEMP. (°C)	HARVEST MAX. TEMP. (DJF) (°C)	WINTER MIN. TEMP. (JJA)(°C)	MINIMUM FEB. TEMP. (°C)	MINIMUM JAN. TEMP. (°C)	ANNUAL RAINFALL (MM)	SUMMER RAINFALL (MM)	POTENTIAL EVAP. SUMMER (DJF) (MM)	CONTINENT-ALITY	DIURNAL RANGE
Adelaide Hills	19.9	1549.4	19.3	24.8	7.3	13.1	13.1	770.5	118.6	647.2	10.3	12.5
Clare Valley	22.9	2056.6	22.2	29.0	7.2	14.9	14.9	436.6	80.6	727.7	13.0	15.1
Adelaide Plains	22.9	2173.5	22.8	27.8	9.9	16.0	16.0	402.0	78.6	747.8	11.8	12.9
McLaren Vale	20.4	1735.9	19.6	24.4	9.9	14.9	14.8	591.2	89.1	650.2	8.7	9.7
Langhorne Creek	20.4	1752.0	20.0	24.7	9.0	14.0	14.2	448.6	86.1	641.1	9.0	11.5
Coonawarra	19.2	1423.0	19.3	25.0	6.9	12.0	11.0	692.8	111.4	561.5	9.7	15.0
Wrattobully	19.9	1522.4	20.0	26.4	6.0	12.0	11.0	601.0	99.7	591.6	10.4	16.4
Padthaway	20.3	1619.8	20.4	26.7	7.0	12.0	11.7	546.5	90.8	619.3	10.6	16.0
Riverland	23.5	2197.9	23.1	29.9	7.5	14.9	14.7	265.9	65.9	736.2	13.4	16.6
Barossa Valley	21.7	1853.3	21.3	27.3	7.7	14.1	14.1	578.6	95.2	731.9	12.2	14.2
Eden Valley	20.3	1544.0	20.2	26.2	6.3	12.4	12.4	684.2	109.4	678.4	11.4	14.9
Riverina	24.5	2330.9	24.2	30.4	6.8	16.6	16.3	427.3	132.5	812.4	15.8	15.4
Hunter Valley	22.5	2068.3	21.7	27.5	6.7	15.5	15.5	823.5	353.4	624.2	13.4	13.0
Cowra	23.2	2020.6	22.5	29.0	5.9	15.0	15.0	671.7	215.4	732.1	15.5	15.4
Mudgee	21.9	1808.9	20.9	27.3	4.9	14.2	14.1	738.0	275.6	652.7	14.9	14.5
Orange	20.7	1507.3	19.9	26.1	4.1	13.3	13.2	844.3	268.6	584.0	15.1	14.1
Canberra district	19.5	1302.9	19.0	25.1	3.0	11.9	11.8	845.4	253.4	610.8	14.8	14.5
Bendigo	20.7	1609.5	20.6	26.8	5.6	13.0	12.4	574.2	137.3	687.1	13.2	15.6
Goulburn Valley	22.1	1879.3	21.9	28.0	6.3	14.6	14.0	532.2	139.8	735.0	13.8	15.1

Appendix Table (continued): Climate data, winegrape regions, Australia, 2000

REGION	MEAN JAN TEMP. (°C)	GROWING DEGREE DAYS (°C)	MEAN FEB TEMP. (°C)	HARVEST MAX. TEMP. (DJF) (°C)	WINTER MIN. TEMP. (JJA)(°C)	MINIMUM FEB. TEMP. (°C)	MINIMUM JAN. TEMP. (°C)	ANNUAL RAINFALL (MM)	SUMMER RAINFALL (MM)	POTENTIAL EVAP. SUMMER (DJF) (MM)	CONTINENT-ALITY	DIURNAL RANGE
King/Alpine Valleys, Beechworth	19.5	1295.9	19.4	25.0	4.0	11.9	11.3	1230.6	258.1	618.6	14.1	15.2
Rutherglen, Glenrowan	22.5	1892.0	22.1	28.6	5.7	14.3	14.0	662.2	162.2	729.2	15.3	16.1
Yarra Valley	19.0	1408.9	19.2	23.9	6.9	12.9	12.4	1002.0	257.3	515.4	10.6	12.5
Mornington Peninsula	19.0	1520.1	19.0	22.2	9.8	15.0	14.0	723.3	172.7	515.1	8.2	9.2
Western Victoria	18.4	1350.2	19.0	24.4	6.4	11.9	11.3	686.6	142.8	576.7	10.6	14.2
Blackwood Valley	21.0	1727.6	20.8	27.0	7.8	13.5	12.9	805.7	74.9	664.1	10.3	15.3
Geographe	21.9	1924.9	21.6	27.2	9.3	15.0	14.6	909.4	65.8	671.0	9.9	13.7
Great Southern	20.0	1642.6	19.7	24.9	8.7	13.9	13.1	716.5	93.7	591.0	8.6	12.7
Manjimup	20.0	1600.5	19.9	25.1	8.6	13.6	12.9	1007.6	98.6	626.2	8.8	13.3
Pemberton	19.9	1656.2	19.9	24.3	9.7	14.7	13.7	1199.4	105.8	593.7	7.9	11.3
Margaret River	20.6	1868.7	20.5	23.7	12.2	16.3	15.9	1018.5	65.1	593.3	6.7	8.4
Swan District	24.1	2362.2	24.0	29.2	11.0	18.3	17.3	798.0	52.8	759.2	11.2	13.3
Peel	22.9	2028.5	22.4	28.7	8.5	15.3	14.7	836.5	68.1	752.8	11.6	15.4
Vic/NSW Murray Valley	24.3	2330.1	23.8	30.3	7.5	16.0	15.8	306.0	85.7	791.1	14.2	16.1
Granite Belt	21.5	1907.3	20.5	26.5	5.5	14.9	14.9	827.6	362.0	589.2	13.4	12.5
South Burnett	24.0	2510.5	23.0	28.8	8.3	17.2	17.4	743.0	356.8	640.9	12.6	12.0
Tasmania	15.7	769.4	15.4	19.9	4.5	9.9	9.5	899.5	232.8	441.3	9.1	11.3

Source: Webb (2006, pp. 239-240), and see her Chapter 2.1 for details and definitions.