

Australian Food Statistics 2008



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Welcome to *Australian Food Statistics* for 2008, a year in which food security rose to the forefront of global issues.

We all recognise the vital link between nutritious food and our health and wellbeing but not many of us appreciate the significant role the food industry plays in Australia's economy. *Australian Food Statistics* presents a detailed insight into the Australian food industry and provides a guide to emerging consumer and industry trends.

As the global financial crisis began to take hold, Australian food and beverage manufacturing industries increased employment levels by 7 per cent—to around 206 000 people. Significantly, employment in food processing is growing at a faster rate in inner-regional and remote areas, with almost half of the jobs in food and beverage manufacturing now located in regional towns and cities—the hubs of rural Australia. Many food manufacturers prefer to operate along transport corridors that give ready access to agricultural supplies and provide direct routes to the large consumer markets of our state capitals, many of which serve as gateways to lucrative export markets.

As Australia's largest manufacturing industry, the food and beverage sector generated total sales and service income from food processing of \$79 billion in 2006–07, an increase of \$8 billion on the previous year. Improved seasonal conditions helped lift the value of food-related farm and fisheries production to \$37.4 billion in 2007–08, an increase of 18 per cent on the previous year. The increase was achieved despite record high input costs and it demonstrates the food industry's resilience in the face of adversity.

I am confident that the Australian food industry is well positioned to meet the challenges and opportunities of the future, including those presented by the global financial crisis. Of course, it is not enough to produce more food—we must create an environment in which Australian produced food can move more freely to where it is wanted and needed, so work to access, establish and maintain overseas markets continues to be a high priority for the Australian Government.

By aiming for product excellence and promoting a culture of innovation and customer focus, Australia continues to consolidate its reputation as a world-leading provider of high quality food.

Tony Burke
Minister for Agriculture, Fisheries and Forestry
July 2009





Acknowledgments

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Abbreviations

kg	kilogram	2.20462 pounds
t	tonne	1 000 kilograms
kt	kilotonne	1 000 tonnes
Mt	megatonne	1 000 000 tonnes
A\$	dollar (Australian)	
A\$m	million dollars (Australian)	
A\$b	billion dollars (Australian)	
US\$	dollar (United States)	
US\$m	million dollars (United States)	
US\$b	billion dollars (United States)	
cif	cost, insurance and freight	
EVAO	estimated value of agricultural operations	
fas	free alongside ship	
fob	free on board	
GDP	gross domestic product	
nec	not elsewhere classified	
ABARE	Australian Bureau of Agricultural and Resource Economics	
ABS	Australian Bureau of Statistics	
DAFF	Department of Agriculture, Fisheries and Forestry	
FAO	Food and Agriculture Organisation of the United Nations	
UNCTAD	United Nations Conference on Trade and Development	
WTO	World Trade Organisation	

Small **discrepancies** in totals are generally caused by rounding.

0 is used to denote nil or a negligible amount.



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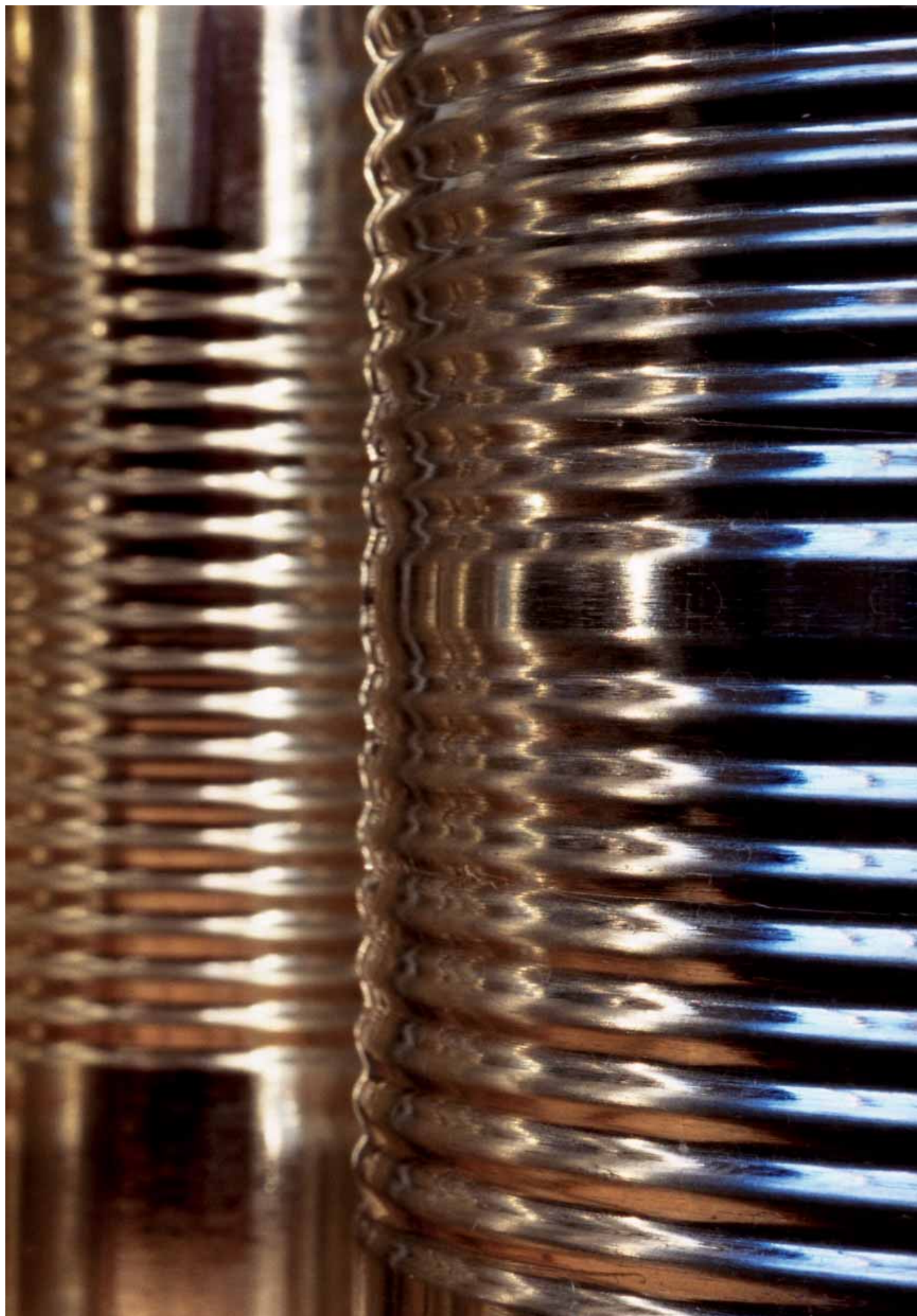
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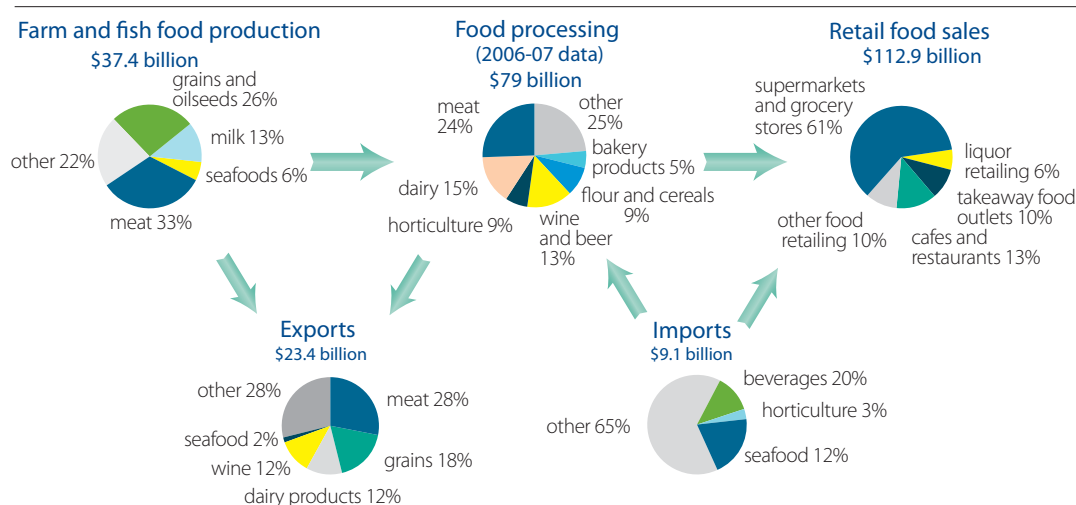
Overview of the Australian food industry, 2007-08

This publication provides a statistical overview of major aspects of the Australian food industry and its place in the domestic economy in 2007-08. The food industry encompasses many sectors — from the producers of raw materials used in food (the farm and fishing sectors) through export, import and processing sectors to domestic sales to consumers. The key components of the food supply chain in 2007-08 are shown in figure A and the main statistics are summarised in table 1.

Australia's total consumer expenditure on food and liquor continued on its rising trend in 2007-08, increasing by 6 per cent to around \$113 billion. In the previous year total consumer expenditure on food increased to around \$106.4 billion. The food and liquor industry's share of total retailing expenditure fell slightly to 52 per cent in 2007-08, from 52.5 per cent in the previous year.

The value of Australia's total farm and fisheries production increased by 18 per cent to \$37.4 billion in 2007-08. Much of the increase in value can be attributed to a slight rebound in broadacre crop production, after the 2006-07 drought year. The value of Australia's food exports remained largely unchanged in 2007-08 at \$23.4 billion. Increases in the value of grains, oilseeds and dairy exports were offset to some extent by a decline in the value of meat, wine, and sugar exports.

A Value chain for food in Australia, 2007-08





Overview

1 Overview of the Australian food industry

		2002 -03	2003 -04	2004 -05	2005 -06	2006 -07	2007 -08
Value of farm and fisheries							
Fisheries production	\$b	27.8	32.5	31.9	33.9 ^a	31.6 ^a	37.4
Value added, food processing ^b	\$b	16.4	16.6	17.3	17.5	18.3	na
– share of GDP	%	1.8	1.7	1.8	1.7	1.7	na
Food and liquor retailing turnover	\$b	82.7	89.9	93.4	98.6	106.4	112.9
– share of total retailing	%	46.2	46.2	46.2	46.7	52.5	52.0
Value of food exports	\$b	22.6	22.4	24.1	24.1	23.4	23.4
– share of total merchandise trade	%	19.5	20.5	18.8	15.6	13.8	12.8
– minimally transformed share	%	30.3	31.7	29.1	27.9	23.7	28.1
Value of food imports	\$b	6.0	6.1	6.7	7.1	8.3	9.1

^a Includes an imputed value for horticulture production. ^b Excludes the spirits sector. Data not published by the ABS.

na Not available.

Although the value of Australia's food imports increased by 10 per cent to around \$9 billion, Australia remains a significant net exporter of food, with an export surplus of \$14 billion over food imports in 2007-08. Over the past five years this surplus has averaged \$18 billion a year in constant dollar terms.

Food exports accounted for only 13 per cent of total Australian merchandise exports in 2007-08, down from nearly 14 per cent in 2006-07 and close to 16 per cent in 2005-06. This decline in relative importance is largely a reflection of the strong growth in value of Australian minerals and energy resources exports in 2007-08.

Food industry employment

In 2007-08, total employment in Australian food and beverage manufacturing increased by 14 100 positions or 7 per cent, to 205 925 people (Appendix table 3.1). The three main states contributing to the increase during 2007-08 were New South Wales, South Australia and Western Australia, with employment up by 9350, 3175 and 2650 positions, respectively. The increases in employment in New South Wales and Western Australia come after reductions of 1275 and 50 positions, respectively, between 2005-06 and 2006-07. The only state to record a fall in employment in the sector between 2006-07 and 2007-08 was Victoria, with a reduction of 2375 positions. This follows an increase of 6850 positions in the state between 2005-06 and 2006-07. Overall, total employment in the food and beverage manufacturing industries increased for the second consecutive year.

The major contributors to the rise in employment in food and beverage manufacturing in 2007-08 were the dairy products sector; the bakery products sector; and the food, beverage and tobacco not otherwise defined sector. The dairy products sector



increased by 27 per cent in 2007-08 to 19 950 positions while employment in the food, beverage and tobacco not otherwise defined sector increased by 19 per cent to 20 275 positions, and the bakery products sector increased by 12 per cent to 40 525 positions. There were also small increases in employment in the meat and meat products sector, the other food sector, beverages and malt sector, and fruit and vegetable processing sector. The only two sectors to observe a fall in employment between 2006-07 and 2007-08 were the oil and fat products (down 26 per cent to 2125), and flour mill and cereal food (down 10 per cent to 6125) sectors.

Employee numbers in agricultural food production declined in 2007-08, with total agriculture-related employment falling by 4500 employees or 1 per cent from 308 950 in 2006-07 to 304 450 in 2007-08 (Appendix table 1.4). This follows a 1 per cent rise in employment in the industry between 2005-06 and 2006-07. The main contributors to the fall in agricultural food employment in 2007-08 were the agriculture not fully defined sector (down 16 per cent to 32 000 positions), and the horticulture and fruit growing sector (down 15 per cent to 69 575 positions). Total employee numbers involved in fishing on the other hand increased by 3025 employees (25 per cent) in 2007-08 to 15 200 employees. This follows an 8 per cent fall in employees between 2005-06 and 2006-07. The biggest reduction in agricultural food production employment in 2007-08 occurred in New South Wales, with employment down by 9 per cent. This follows an 8 per cent increase in employment between 2005-06 and 2006-07 in New South Wales.

Trends in food processing industry employment by region

Although no up-to-date data are available by region, census data can be used to provide some analysis on trends within the food processing sector by region. The 2006 census showed 170 736 people were employed in Australian food processing industries, accounting for around 18 per cent of total manufacturing employment and around 1.9 per cent of total Australian employment. By comparison, total food industry employment at the time of the 2001 census was 159 800, representing 14 per cent of manufacturing employment and around 1.7 per cent of Australian employment.

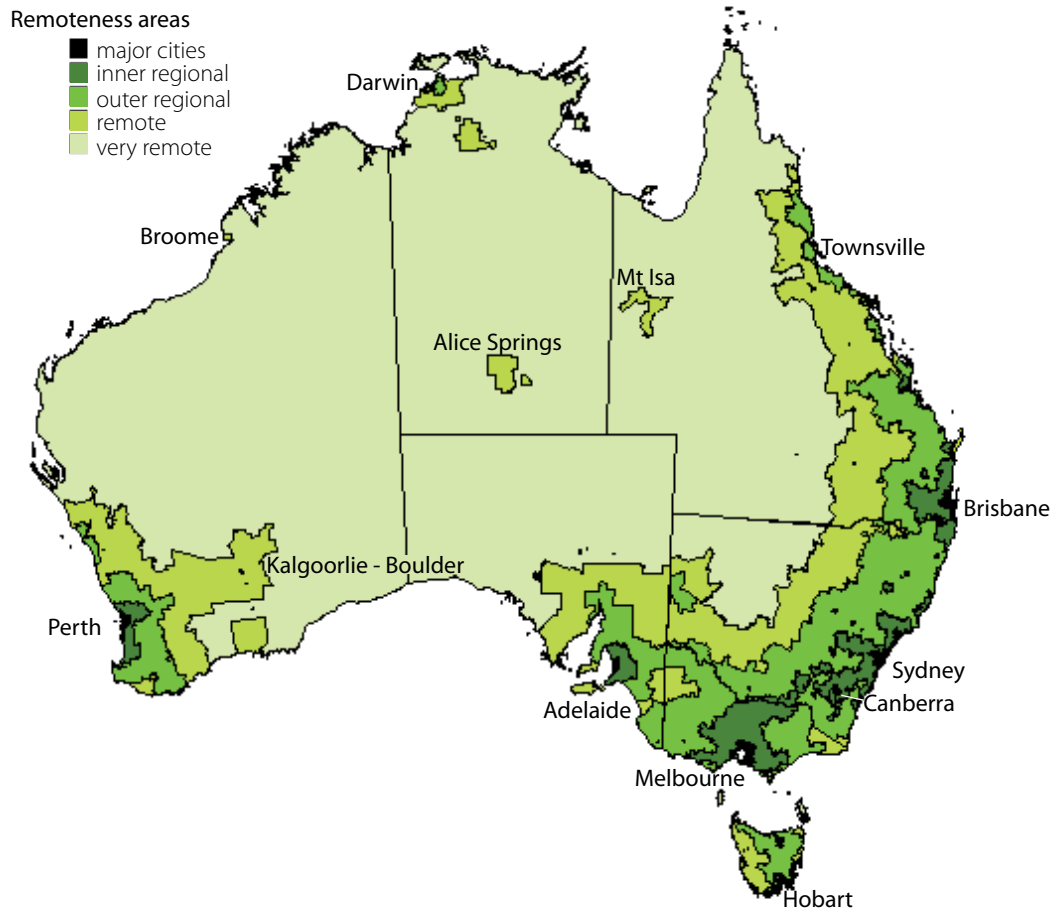
The Australian Bureau of Statistics (ABS) census data are collected at the statistical local area (SLA) level, with regions classified as major city, inner regional, outer regional, remote or very remote (map 1).

The 2006 census data showed that the majority of food processing employment was in the major cities, inner regional and outer regional areas (table 2). The remote and very remote areas continue to account for less than 2 per cent of food processing employment and, because of the small numbers involved (for the purposes of this research), data from the remote and very remote regions has been combined into one



Overview

MAP 1 Remoteness areas of Australia



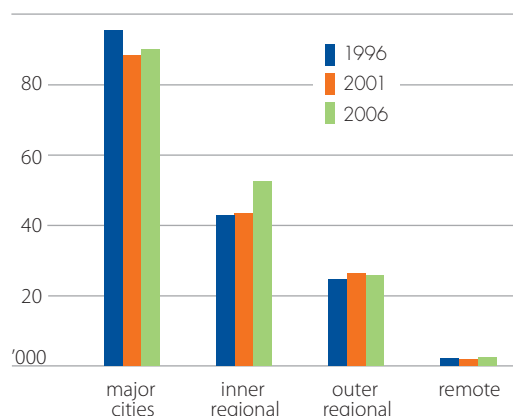
2 Food processing employment, by region and census

	1996		2001		2006		2001-2006
	no.	% of total	no.	% of total	no.	% of total	% change
Major cities	95 340	57.8	88 211	55.2	90 150	52.8	2.2
Inner regional	42 716	25.9	43 492	27.2	52 375	30.7	20.4
Outer regional	24 722	15.0	26 174	16.4	25 656	15.0	-2.0
Remote	1 645	1.0	1 418	0.9	1 802	1.1	27.1
Very remote	597	0.4	505	0.3	508	0.3	0.6
Other	12	0.0		0.0	245	0.1	
Total	165 032	100.0	159 800	100.0	170 736	100.0	6.8



category, 'remote', in most cases. The growth in inner and outer regional employment in food processing relative to the major cities has been largely the result of a trend toward establishing food processing facilities in closer proximity to both suppliers of agricultural inputs and final markets. The number of food processing jobs in inner regional Australia increased by around 20 per cent in the 2006 census (figure B). Figure C provides a more detailed overview of Australia's food processing employment by industry and region.

B Food processing employment, by region and census



The meat processing industry is the largest employer in the food processing industry, employing 14.4 per cent or almost 24 600 people. In 2006, employment in this industry increased by 29 per cent compared with the 2001 census. The growth in employment was mainly in the inner regional areas of the country, which increased by 27 per cent to 12 370 employees. Across the states, employment in meat processing increased in Queensland (up 31 per cent in the 2006 census), New South Wales (up 12 per cent) and Victoria (up 44 per cent). These states collectively account for more than 82 per cent of Australia's meat processing employment.

Bakery product manufacturing slipped in ranking to be the second largest employer in food processing in the 2006 census, with 13.8 per cent of total food processing employment. This industry underwent a major rationalisation between 1996 and 2001, with employment declining by 31 per cent. In 2006, employment in bakery products fell a further 6 per cent to 23 541. The ABS bakery product manufacturing category is made up of four industries, with around half of its employment in the bread manufacturing industry. Most of the fall in employment in the bakery product manufacturing category occurred in bread manufacture. Total employment in bakery product manufacturing fell across all regions with the exception of inner regional areas, where employment rose slightly.

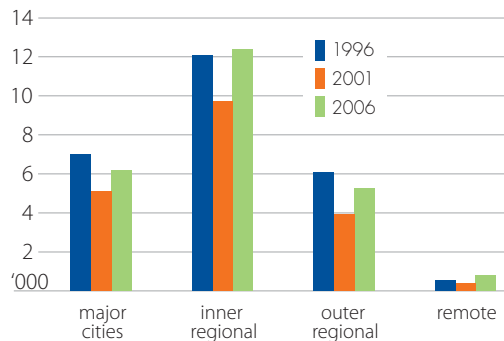
Dairy processing industries account for around 9 per cent of total employment in Australian food processing industries. Dairy processing employment increased by almost 2 per cent in the 2006 census to 15 865. Most of the jobs were created in the major cities (particularly in Victoria which accounts for around two-thirds of Australian dairy production), while employment in inner regional areas declined.



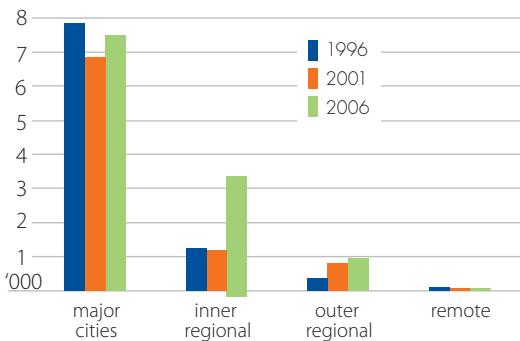
Overview

C Australian food processing industry employment, by sector

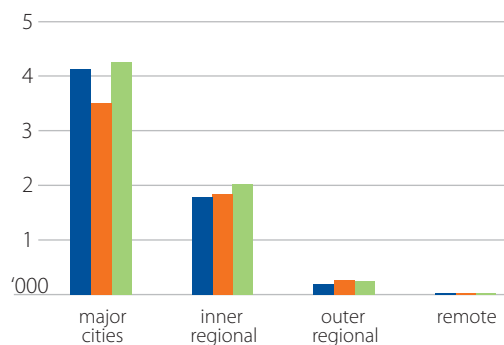
Meat processing employment, by region and census



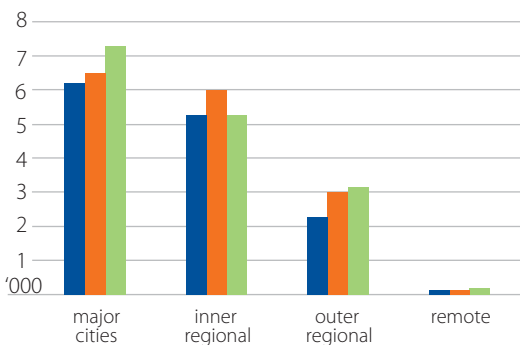
Poultry processing employment, by region and census



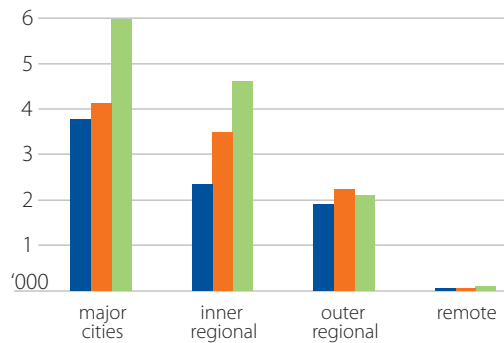
Meat manufacturing employment, by region and census



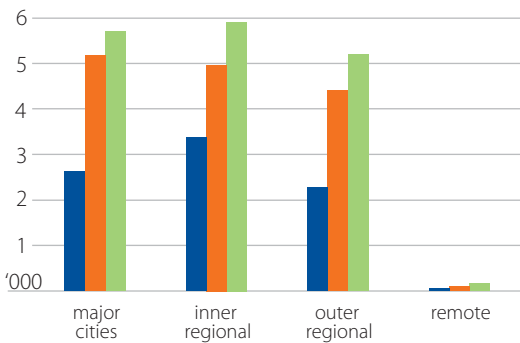
Dairy product manufacturing employment, by region and census



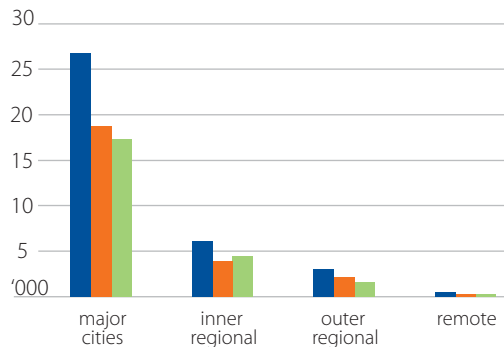
Fruit and vegetable processing employment, by region and census



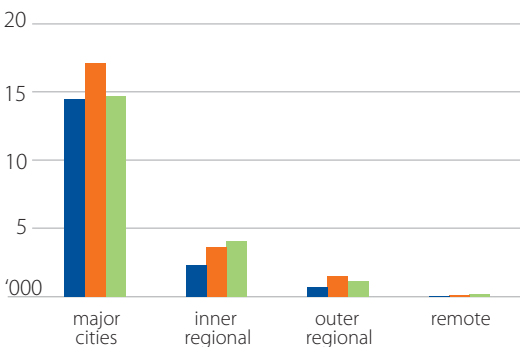
Wine manufacturing employment, by region and census



Bakery product manufacturing employment, by region and census



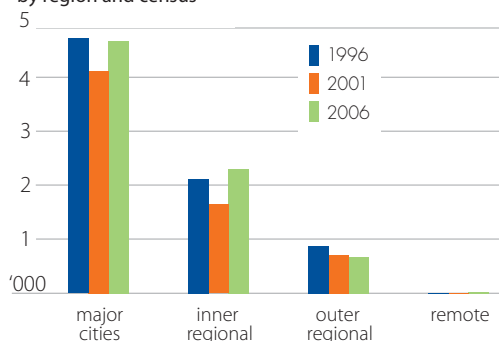
Other food manufacturing employment, by region and census



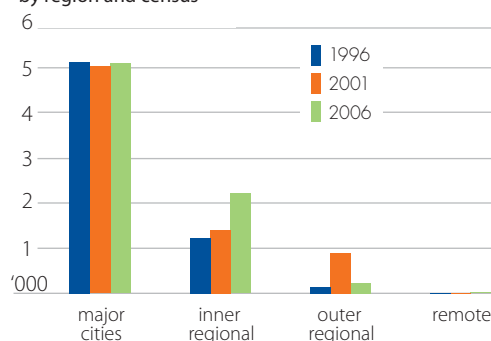


C Australian food processing industry employment, by sector

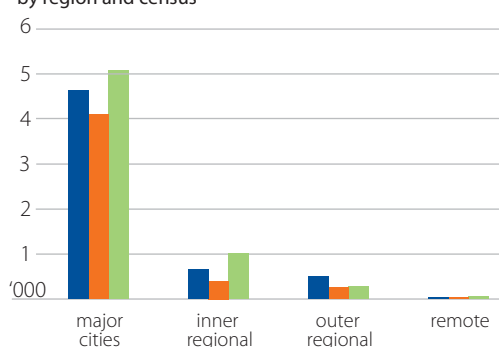
Flour milling and products employment, by region and census



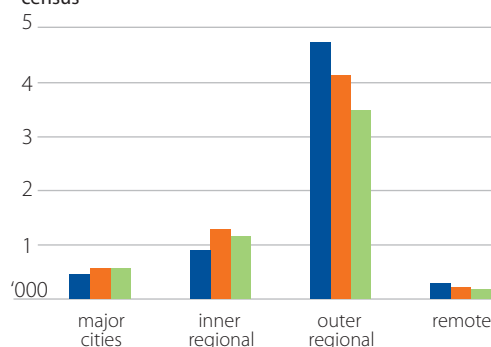
Confectionery manufacturing employment, by region and census



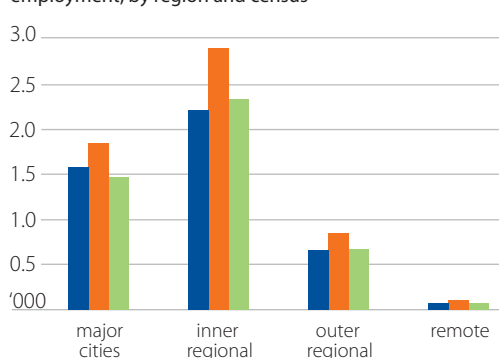
Softdrink, cordial, syrup manufacturing employment, by region and census



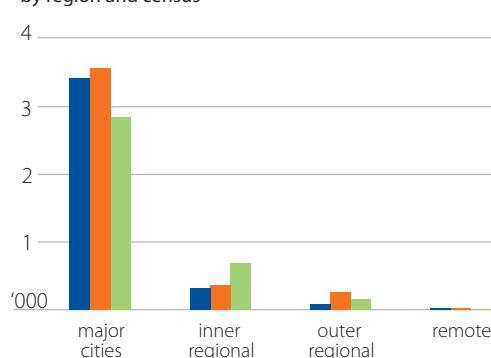
Sugar manufacturing employment, by region and census



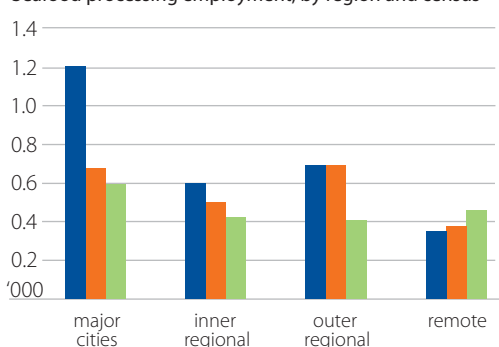
Prepared animal feed and bird feed manufacturing employment, by region and census



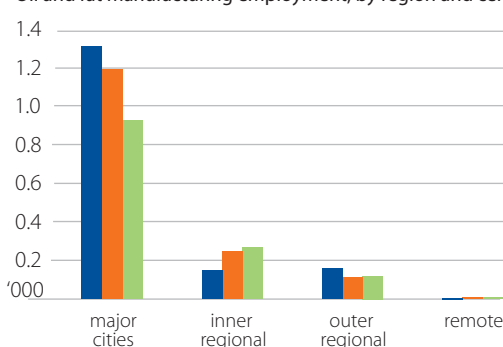
Beer, beverage and malt manufacturing employment, by region and census



Seafood processing employment, by region and census



Oil and fat manufacturing employment, by region and census





Overview

In the Australian wine processing industry, employment increased by 16 per cent to 16 988 jobs in 2006, and the industry accounted for 10 per cent of all employment in food processing. The largest increase in wine industry employment was in areas which already had an established wine industry, particularly the inner regional areas where the number of people employed increased by 19 per cent. Outer regional area employment increased strongly, rising by more than 18 per cent, while employment in the major cities increased by 10 per cent. The increase in employment in the wine industry, across all regions, may in part be attributed to the increase in small boutique wineries over the past 10 years. South Australia (with Australia's largest wine industry) had the largest number of workers joining the industry. South Australia's wine industry employment was up 15 per cent, with employment spread across Adelaide and inner and outer regional areas. Other states also had strong growth in wine industry employment, with Western Australia increasing by 14 per cent, New South Wales up more than 9 per cent and Victoria up 22 per cent.

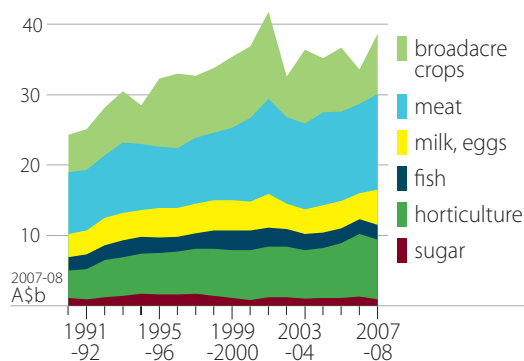
The fruit and vegetable processing industry accounted for around 7.5 per cent of all employment in food processing in 2006, with employment growing by 29 per cent to 12 758 employees since the previous census. Across the regions, employment in the fruit and vegetable processing industry increased by 32 per cent in the inner regional areas and by 45 per cent in the major cities.

Farm and fisheries production

The value of Australian farm and fisheries production increased by 18 per cent in 2007-08 compared with 2006-07, to \$37.4 billion. This increase follows a decline of 7 per cent in 2006-07 compared with 2005-06. As shown in figure D, the increase in 2007-08 mainly reflects a near 95 per cent increase in the value of broadacre crop production

to \$9.2 billion in 2007-08. This increase is the result of an increase in crop production compared with the drought reduced 2006-07 crop. The value of fish production remained largely unchanged at around \$2 billion in 2007-08.

D Value of Australian farm and fisheries production



The value of the Australian broadacre cropping sector increased by 94 per cent in 2007-08 to \$9.2 billion; this follows a 45 per cent drop in 2006-07, because of the drought. Milk and eggs also saw an increase in the value of production, by 41 per cent to \$5 billion. Sugar and meat saw declines in the



value of production in 2007-08 compared with 2006-07. The value of production of sugar saw the greatest decline, down 27 per cent to \$897 million.

In 2008-09, the gross value of Australian farm and fisheries food production is estimated to have increased by 4 per cent to around \$38.9 billion. The increase reflects higher crop production compared with 2007-08.

Food processing

The most recently available ABS financial data on the Australian processed food industry at the time of publication of this report was 2006-07. In 2006-07, the industry's total sales and service income increased to around \$79 billion, an \$8 billion increase from 2005-06. However, industry value added increased to \$19 billion in 2006-07, around \$1.5 million higher than 2005-06. The food and beverage sector was the largest in the Australian manufacturing industry, providing around 19 per cent of industry value added and 21 per cent of total sales and services income in 2006-07. The food and beverage sector also consistently accounts for around 18 per cent or more of Australian manufacturing sector employment.

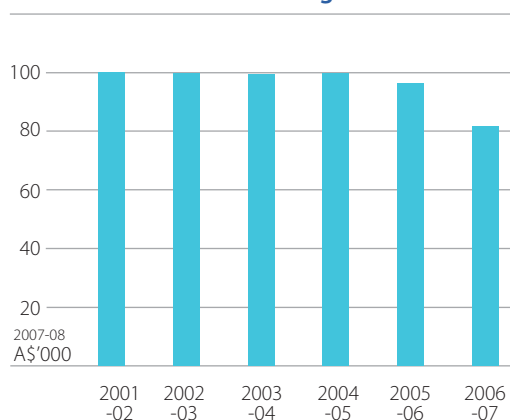
Industry value added per employee

Over the five years to 2006-07, industry value added (IVA) per employee in real terms for the broad food manufacturing industry averaged around \$95 500 (figure E). After declining by around 3 per cent in 2005-06, the real IVA per employee in 2006-07 fell by a further 15 per cent to around \$82 000.

Individually, many of the food manufacturing groups display a high degree of volatility in IVA per employee year-on-year, largely because of volatilities in the price and availability of the primary products on which they are based. The sector with the highest value added per employee in 2006-07 was beer and malt manufacturing, with a value of \$342 300. Over the period 2000-01 to 2004-05, industry value added per employee for this industry increased by more than 23 per cent to \$447 000 in real terms. However since then, industry value added per employee in beer and malt manufacturing fell by 21 per cent.

Over the five years to 2006-07 the industry value added per employee

E Real industry value added per employee, total food manufacturing



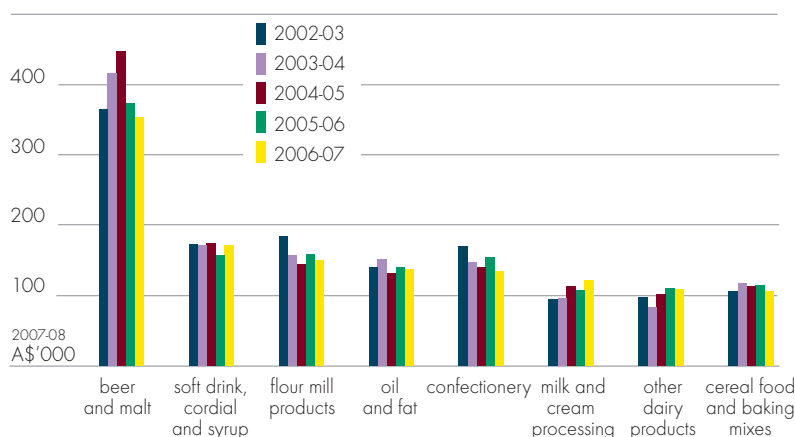


Overview

across the food manufacturing industries has been highly variable. Between 2002-03 and 2006-07, the industry value added per employee (in 2007-08 dollars) for all industries has decreased, with the exception of the dairy industry (up 12 per cent). For the meat, and flour mill and cereal industries, value added per employee has fallen the least (less than 1 per cent) between 2002-03 and 2006-07.

The main contributors to the rise in the dairy sector's IVA per employee over the period from 2002-03 to 2006-07 were milk and cream processing (up 28 per cent to \$122 200 per employee), and the other dairy products (butter, cheese and milk powders) sector which increased by 11 per cent to \$108 200 per employee. These sectors more than offset a 52 per cent fall in the industry value added per employee in the ice cream sector. For the meat sector, an increase in meat processing's IVA per employee (up 5 per cent to \$65 800 per employee) was almost matched by a decline in poultry processing (down 4 per cent to \$64 800 per employee) and a fall in bacon, ham and smallgoods (down 9 per cent to \$62 700 per employee). In the flour mill and cereal industry, an 18 per cent fall in the real industry value added per employee for the flour mill products sector (down to \$150 600 per employee) was partly offset by a 1 per cent rise in the industry value added per employee of cereal food and baking mixes sector (up to \$106 500 per employee). Although most food and beverage manufacturing industries recorded falls in industry value added per employee over the past five years, many individual sectors maintained values of more than \$100 000. These industries are shown in figure F.

F Industry value added per employee, selected industries



During the period 2002-03 to 2006-07, there have been two sectors for which industry value added per employee has declined in real terms to less than \$100 000. These sectors are the wine sector, in which industry value added per employee has fallen



by 32 per cent from \$131 000 in 2002-03 to \$89 000 in 2006-07, and the fruit and vegetables sector, in which the industry value added has declined by 25 per cent from \$102 000 in 2002-03 to \$76 000 in 2006-07. These significant declines could be attributed to falling competitiveness of these industries on both the international market and the domestic market, possibly causing a downsizing of these industries.

Food retailing

Total retail food turnover up in 2007-08

In 2007-08, retail turnover in the food and liquor sector increased by 6 per cent to \$112.9 billion compared with 2006-07. This result is slightly less than the 8 per cent rise in total retail turnover in the previous 12 months. In 2007-08, food and liquor retailing represented 52 per cent of total retailing similar to 2006-07 levels. Total retail turnover increased by 7 per cent in 2007-08 to be \$217 billion.

A number of factors have contributed to the rise in food and liquor turnover in 2007-08, many of them similar to the influences over the previous year. These include higher fuel prices, which had a significant effect on the cost of production and transport of food products across the sector. Strong world demand for Australian food exports, despite the appreciation of the Australian dollar, also had a significant effect on Australian domestic food prices. Overall, there was a 3 per cent increase in general food prices in 2007-08, compared with a 6 per cent increase in prices in 2006-07.

Supermarkets and grocery outlets continued to capture the majority of food sales in Australia with around 61 per cent of the value of total food and liquor retailing in 2007-08, similar to the share in 2006-07. The shares of sales turnover of the other main food and liquor retail outlet categories have remained relatively constant over recent years, with cafes and restaurants averaging 14 per cent, and takeaway food outlets averaging around 10 per cent of total food and liquor retailing since 2003-04.

Not included in the discussion of retail turnover of food and liquor in 2007-08 is the contribution of clubs, pubs, taverns and bars. Although this sector is important with respect to liquor and food sales, data cannot be included in the most recent Australian food and beverage aggregates because of the way these data are collected. The regular monthly retail sales survey and the timing of the specific clubs, pubs, taverns and bars sector survey is undertaken every three years by the ABS.

For the regular retail turnover survey the ABS undertakes on a monthly basis, the ABS only collects data for the sector as a whole. In the specific sector survey, the ABS collects data, not only covering separate liquor and food sales, but also data on gambling and other (entertainment and membership fees) income. The last survey



Overview

undertaken on clubs, pubs, taverns and bars was published by the ABS in 2006 and covered 2004-05.

Table 3 shows sales data for 2004-05 and two previous surveys, in 2007-08 dollar terms. Liquor and food sales made up 71 per cent of total income received within the sector in 2004-05. However, it should be noted that a significant proportion of this income is derived from gambling and other sources, and that this contribution has increased. For example in 1998-99, 21 per cent of income came from sources other than food and liquor sales and this increased to 28 per cent in 2000-01 and 29 per cent in 2004-05. The presence of gambling and other income makes it difficult to estimate the proportion of total sales in 2004-05 and following years which could be related to liquor and food sales from this sector.

3 Turnover in clubs, pubs, taverns and bars

in 2007-08 dollars

	1998-99	2000-01	2004-05
	\$m	\$m	\$m
Sale of liquor and other beverages	8 677.0	6 572.4	7 122.5
Takings from meals and food sales	1 031.8	962.6	1 275.2
Total food and liquor sales	9 708.8	7 535.1	8 397.7
Gambling income	2 002.9	2 515.1	2 871.0
Other	587.2	438.3	535.8
Total gambling and other income	2 590.1	2 953.5	3 406.8
Total income	12 299.0	10 488.5	11 804.5
Food and liquor share (%)	78.9	71.8	71.1

Source: ABS, *Clubs, pubs, taverns and bars, 2000-01 and 2004-05*, cat. no. 8687.0, Canberra.

Food trade

In 2007-08, the value of Australian food exports stayed relatively similar to 2006-07 at A\$23.4 billion. The value of food exports in 2007-08 is around 10 per cent lower in real terms than 10 years earlier, when the value was A\$25.9 billion (figure G). The value of Australia's food exports reached a peak of A\$31.8 billion (in 2007-08 dollars) in 2001-02 and has been mostly declining since that time. In the years following 2001-02, Australia's food exports have been affected by droughts and fluctuating import demand in key markets such as Asia because of health issues including Severe Acute Respiratory Syndrome (SARS).

Another influence on the value of Australian food exports is the Australian exchange rate. In 2007-08, the Australian dollar rose 15 per cent against the US dollar to average US90 cents from an average of US78 cents in 2006-07. The Australian dollar has



risen strongly against the US dollar since early 2000. In 2000-01 the Australian dollar averaged US54 cents. The strength of the Australian dollar has made Australian exports more expensive on world markets compared with exports from other major competitors and may have contributed to the decline in value of food exports from Australia over recent years.

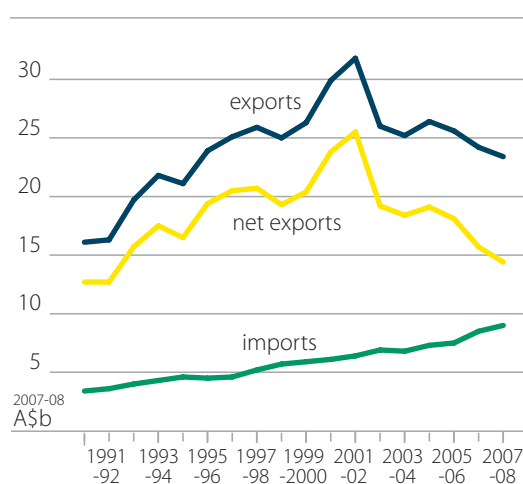
Substantially transformed exports decreased in 2007-08...

In 2007-08, the value of food exports within the substantially transformed category was \$16.5 billion, a decline of 6 per cent when compared with the previous year. The export value of processed meat was down 8 per cent to \$6.5 billion; wine down 7 per cent to \$2.7 billion; cereal food and baking mix down 23 per cent to \$287 million; processed fruit and vegetables exports down 1 per cent to \$568 million; and sugar down 33 per cent to \$1 billion. Balanced against the reduced value of exports for some sectors was a 13 per cent increase in the value of dairy exports which increased to \$2.8 billion after declining in 2006-07. Beer and malt increased by 23 per cent to \$335 million, bakery products increased by 5 per cent to \$144 million, and confectionary increased by 10 per cent to \$237 million. Substantially transformed exports contributed around 71 per cent of the total value of Australia's food exports in 2007-08, a 4 per cent fall from 2006-07 (table 5.1).

...but minimally and elaborately transformed exports rose

The value of exports in the substantially transformed category fell by around 6 per cent in 2007-08 to \$16.5 billion. In contrast, the value of exports within the minimally and elaborately transformed categories increased by around 19 per cent to \$6.6 billion and 9 per cent to \$324 million respectively in 2007-08. The increase in the minimally transformed category was largely driven by higher exports of grains, which were up around 27 per cent to \$4.2 billion; this follows a 23 per cent decrease in 2006-07 because of drought conditions in Australia and therefore lower production of grains. Other increases in the minimally transformed category were fish or shellfish which were 2 per cent higher in 2007-08 compared with 2006-07 at \$647 million, and oilseeds up 107 per cent to \$346 million, mainly because of increased Australian canola production and record world oilseed prices.

G Trends in Australian food trade





Overview

Overall growth in trade

The value of Australian food exports and imports, in constant dollar terms, over the past 18 years is shown in figure G. Over this period, imports have grown by an average 6 per cent a year. The largest increases in imports over recent times occurred when exceptionally bad drought years affected Australian production. In 2002-03 and 2006-07, the value of imports increased by 8.2 and 13.3 per cent respectively, compared with the previous year. Over the past five years the value of Australia's food exports has been declining at an average of 5 per cent a year in real terms, as seasonal conditions have generally been less than ideal in many regions. The 2006-07 drought contributed to a 6 per cent fall in the value of Australia's food exports to \$24.2 billion in real terms. In 2007-08 despite improved seasonal conditions and therefore increased agricultural production, the value of exports declined in constant dollar terms to \$23.4 billion, largely the result of lower value of meat exports.

A detailed overview of Australia's food exports and imports, by sector, over the period 1990-91 to 2007-08 is provided in figure H. The grains, meat, wine and dairy products industries have been major contributors to growth in Australia's food export earnings. Export earnings from processed seafood, processed fruit and vegetables, and sugar have declined. Major contributors to the growth in imports have been processed fruit and vegetables, processed food not elsewhere classified (nec), bakery products, confectionary, beer and malt, and wine.

Australia's main food exports

The relative contribution of different food categories to the total value of food exports in 2007-08 is outlined in figure I. Meat and grains have consistently been the two largest sectors, with meat exports accounting for 28 per cent of the value of food exports in 2007-08, down from 30.5 per cent of total food exports in 2006-07, and grains accounting for 18 per cent of the value of food exports, up from 14 per cent in 2006-07. The growth of wine exports has made a significant contribution to the increase in the total value of food exports. The value of wine exports has increased from around 2 per cent of the total value of food exports in 1990-91 to nearly 12 per cent of the value in 2007-08. The value of dairy exports has also grown over the period from around 7 per cent of the value of exports in 1990-91 to nearly 12 per cent in 2007-08. In contrast, the contribution of sugar to the total value of food exports has fallen from 17 per cent in 1990-91 to around 4 per cent in 2007-08.

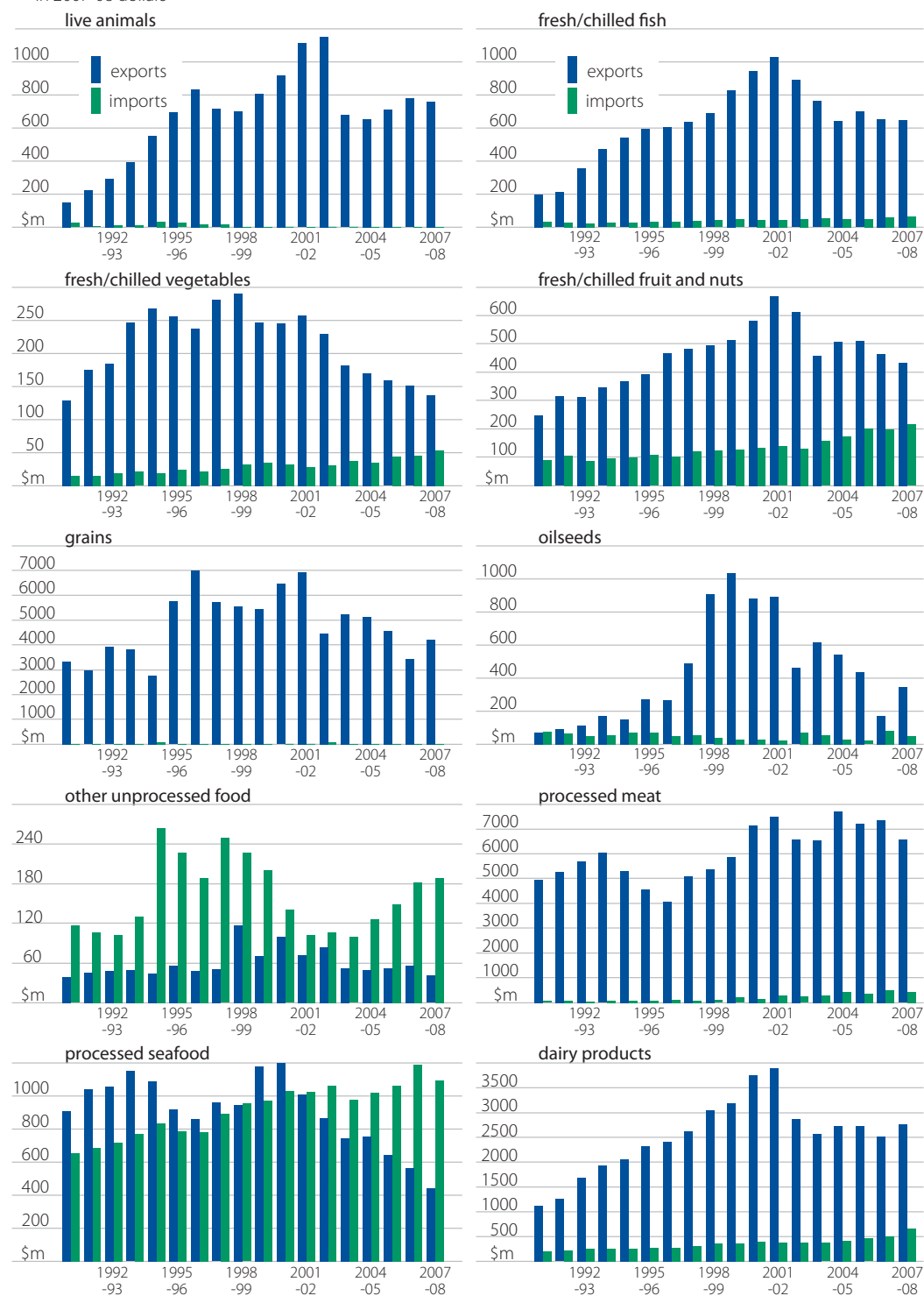
Markets for Australian food exports

The major markets for Australia's exports have become more diverse over the past 17 years (figure J). The proportion of food exports to Australia's major markets, Japan



H Australian food exports and imports, by sector

in 2007-08 dollars

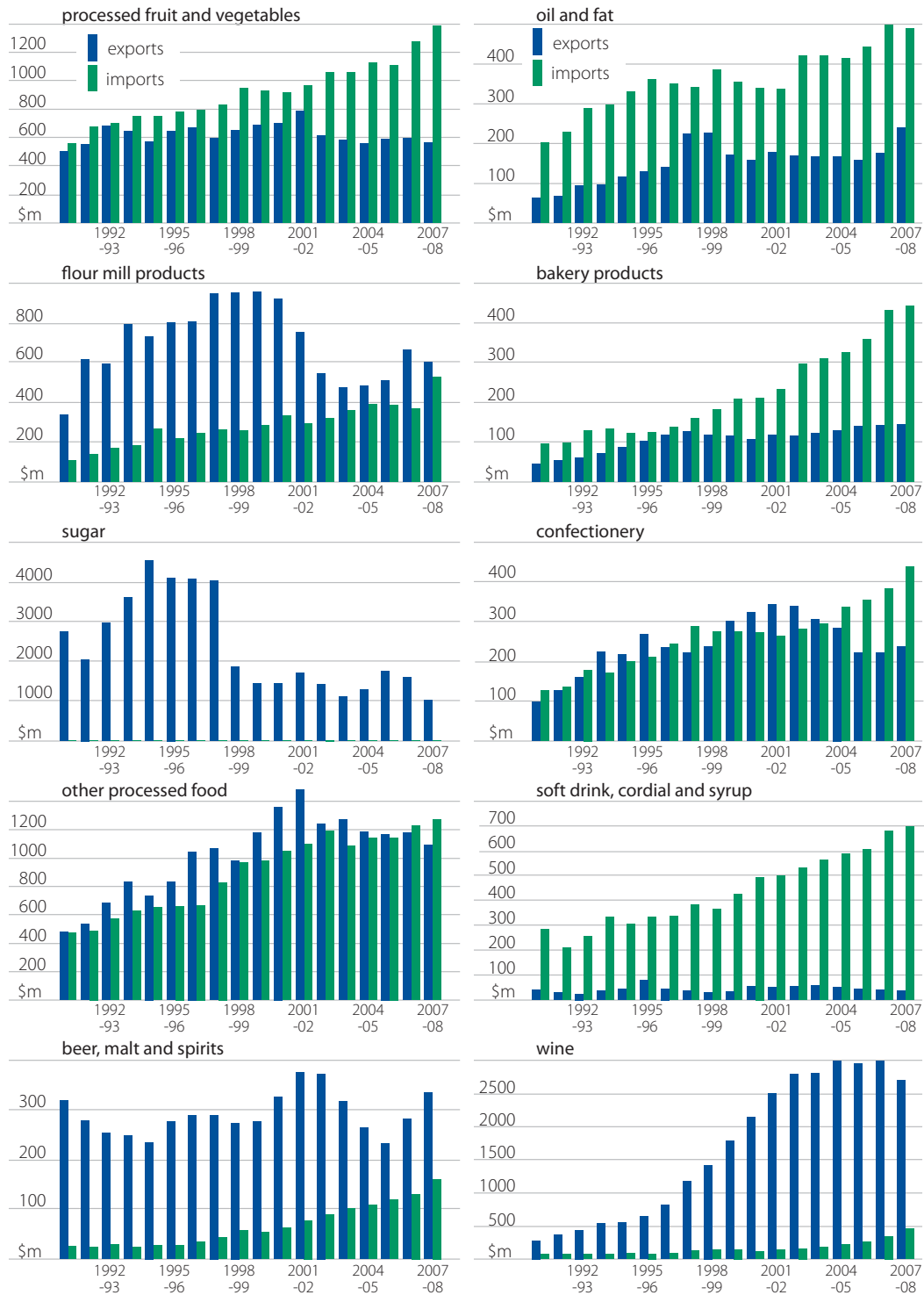




Overview

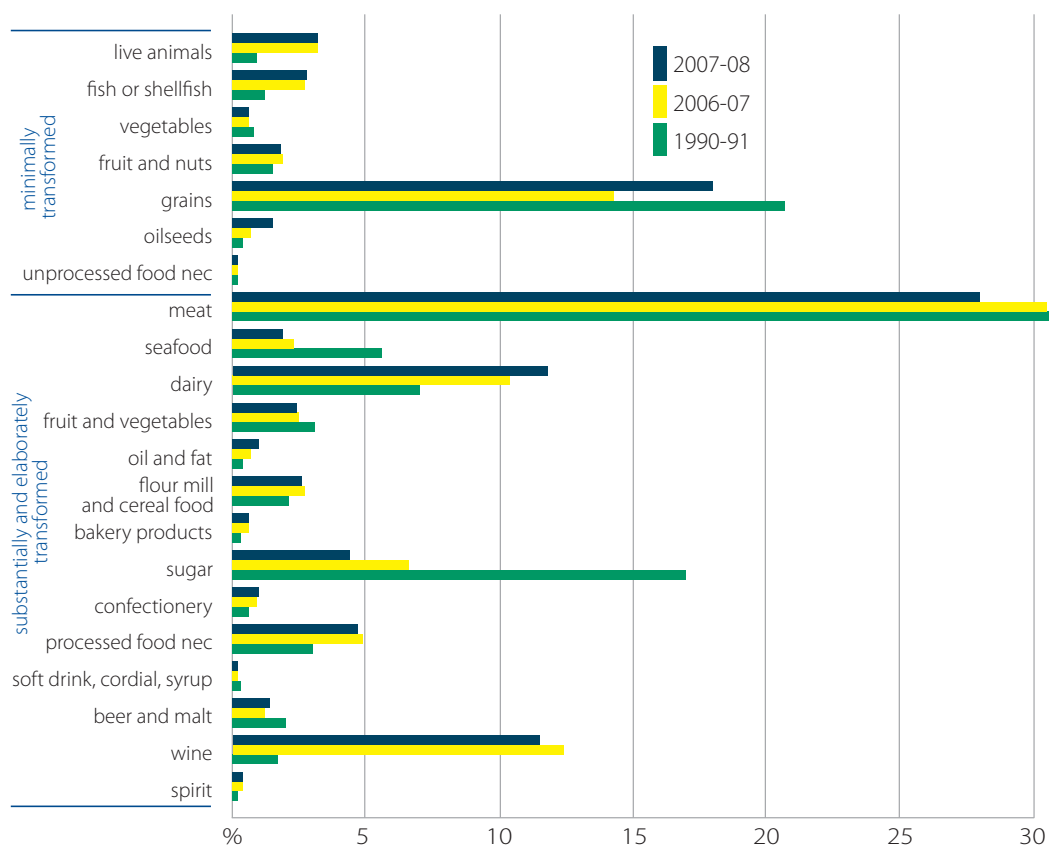
H Australian food exports and imports, by sector

in 2007-08 dollars





I Composition of Australian food exports

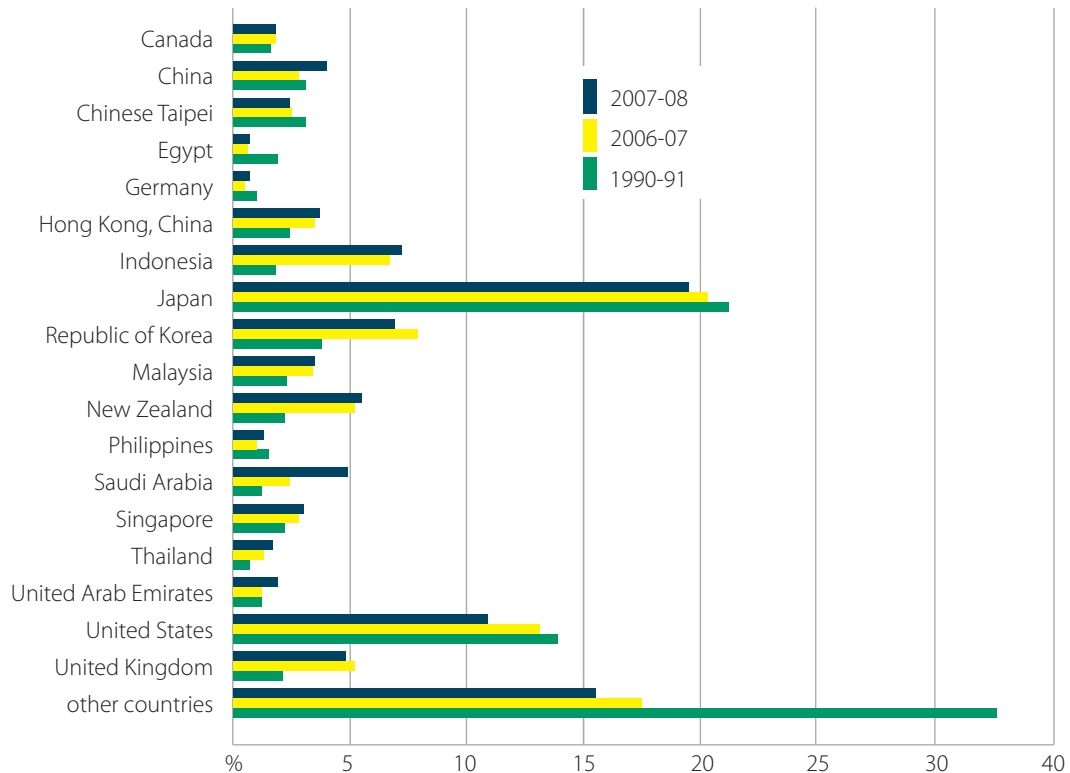


and the United States, has decreased from 21 per cent and 14 per cent respectively in 1990-91 to 20 per cent and 11 per cent respectively in 2007-08. The share of exports going to Indonesia, the Republic of Korea, New Zealand and the United Kingdom has increased over the period. Exports going to Indonesia have increased from around 2 per cent of the total in 1990-91 to 7 per cent in 2007-08; the Republic of Korea from 4 per cent in 1990-91 to 7 per cent in 2007-08; and the share going to New Zealand and the United Kingdom each increased from 2 per cent in 1990-91 to 6 per cent and 5 per cent respectively in 2007-08. Australia has benefited from the capacity to supply high quality food products to relatively close Pacific Rim markets (figure J), and has established a growing presence in more distant markets such as Saudi Arabia and the United Arab Emirates (UAE). Saudi Arabia has increased its share of exports from 1 per cent in 1990-91 to 5 per cent in 2007-08.



Overview

J Value shares of Australian food exports, by country of destination



Free trade agreements expected to boost food trade with many countries

Since 2002, Australia has signed free trade agreements with Singapore, Thailand, the United States, Chile and recently with ASEAN-New Zealand.

The ASEAN-Australia-New Zealand Free Trade Agreement (AANZFTA) is the largest free trade agreement Australia has concluded. ASEAN, as a group, is Australia's second largest food market following Japan. In 2007-08, Australian food exports to ASEAN were valued at \$4.3 billion, up from \$3.8 billion in the previous year. Grains and dairy products are Australia's major commodities exported to ASEAN. In 2007-08, exports of grains and dairy products were \$1.2 billion and \$906 million, respectively. Other key commodities are meat, live animals, sugar, and beverages and malt. The major export markets in ASEAN are Indonesia and Malaysia. Australian food imports from ASEAN were valued at \$1.5 billion in 2007-08, with seafood being the major food import.

AANZFTA will provide Australia with market access gains in a region of almost 600 million people. In particular, tariffs charged on Australian exports to ASEAN will be progressively reduced or, for most products, eliminated over a transition period.



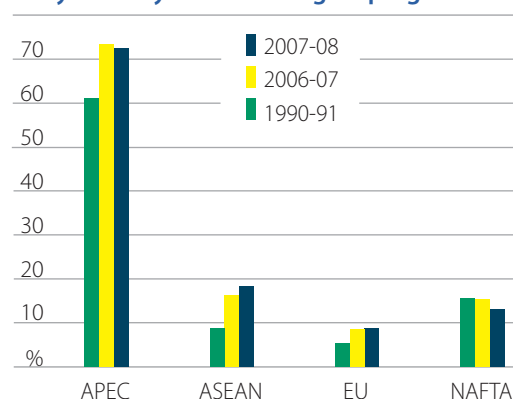
AANZFTA is expected to come into force in the second half of 2009 or no later than January 2010.

The United States is also an important trading partner for Australia. Food exports to the United States were valued at \$2.6 billion in 2007-08, while food imports from the United States were valued at \$810 million.

Australia is also negotiating free trade agreements with Malaysia, China, Japan and the Gulf Cooperation

Council countries (United Arab Emirates, Bahrain, Kuwait, Oman, Qatar and Saudi Arabia). In March 2009, Australia and the Republic of Korea agreed to launch bilateral free trade agreement negotiations. Japan is Australia's largest food export market and in 2007-08 the value of food exports to Japan was \$4.6 billion. Australian food exports to China were valued at \$928 million in 2007-08, up 40 per cent from the previous year. Potential free trade agreements with these countries offer the prospect of expanding market access opportunities for Australian food exporters.

K Value shares of Australian food exports, by country destination groupings



Air freighted food exports

The value of Australia's air freighted food exports fell by 4 per cent to \$1.3 billion in 2007-08, after a 4 per cent increase in 2006-07. The fall in exports could be attributed to the strong Australian dollar over 2007-08, thus making Australian exports slightly less desirable relative to other countries. In addition to this, high oil prices over 2007-08 are likely to have placed upward pressure on air freight rates which would have made it more costly for Australian food exporters to air freight their products to overseas consumers.

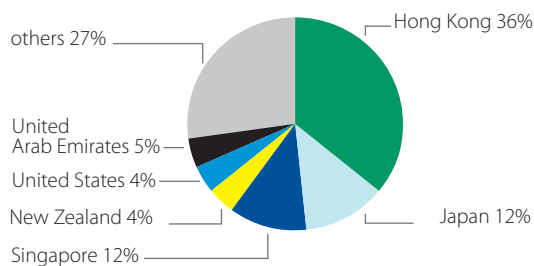
Air freighted food exports have accounted for a declining share of Australia's total food exports by value in recent years. Air freighted food exports accounted for 6 per cent of total food exports in 2007-08, similar to 2006-07, but down from a peak of \$1.7 billion (6.3 per cent of the total) in 2001-02.

Fish or shellfish were the largest group of minimally transformed air freighted exports in value terms in 2007-08, amounting to \$553 million (68 per cent of total minimally transformed air freighted food exports). In 2007-08, meat was the highest value substantially transformed air freighted export from Australia, amounting to \$359 million (72 per cent of substantially transformed air freighted food exports).



Overview

L Value share of Australian air freight exports, by destination, 2007-08



Fish or shellfish were also the largest group of air freighted exports in value terms in 2007-08.

Australia's air freighted food exports remained mainly focused on the Asia-Pacific region in 2007-08. The top six destinations were Hong Kong, Japan, Singapore, the United Arab Emirates (UAE), New Zealand and the United States. In 2006-07, the UAE replaced

Chinese Taipei, which had been in Australia's top six destinations in previous years and in 2007-08 the UAE ranked fourth among the top six destinations. Together these countries accounted for more than 70 per cent of the total value of air freight exports for the year (figure L).

Australian food imports

Australian food imports rose by 10 per cent to \$9 billion in 2007-08 compared with the previous year. In real terms, the value of Australia's food imports has increased from \$3.4 billion in 1990-91 to \$9 billion in 2007-08. The main contributors to the rise between 2006-07 and 2007-08 were flour mill and cereal food (up 47 per cent to \$527 million), wine (up 36 per cent to \$454 million), dairy products (up 37 per cent to \$656 million), beverage and malt (up 14 per cent to \$1.8 billion), fruit and vegetables (up 13 per cent to \$1.4 billion) and other food (up 10 per cent to \$1.7 billion).

While the value of most food imports increased, there were a few reductions in import values when compared with 2006-07. Some of those commodities include oilseeds (down 37 per cent to \$49 million) and seafood (down 5 per cent to \$1.1 billion). The value of imports remained similar to last year for some commodities including live animals except fish, grains and sugar. Substantially and elaborately transformed products make up most of the imported goods, accounting for around 95 per cent of the value of imports. The import share of goods such as processed meat, wine, confectionery, bakery products, beer and malt, processed food nec, flour mill and cereal food have increased over the past 17 years. For others such as live animals except fish, seafood, oilseeds, processed fruit and vegetables, fish or shellfish, fruit and nuts, unprocessed food nec, sugar, and spirits, the shares of imports have fallen.

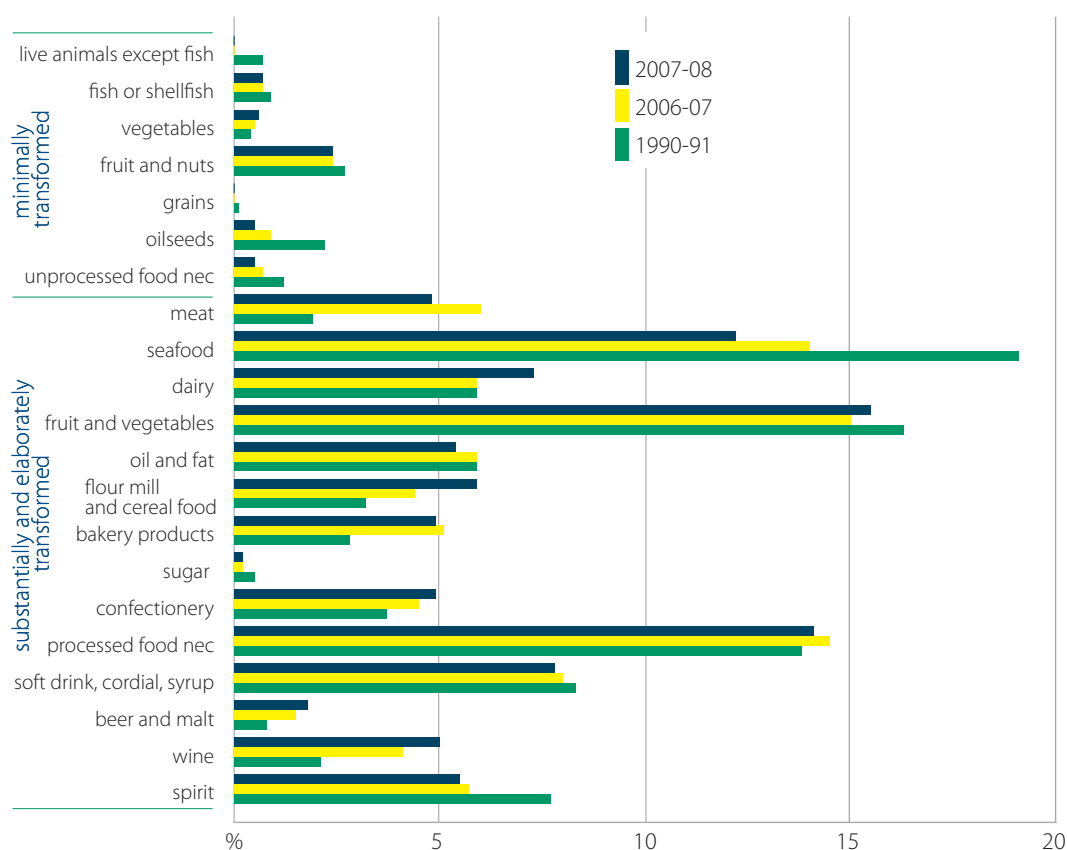




Australia's imports continue to be dominated by New Zealand

New Zealand remains the major source of Australia's food imports, accounting for \$1.7 billion of total Australian food imports, up from \$1.5 billion in 2006-07. New Zealand's share of food imports to Australia steadily increased from 14 per cent in the early 1990s to 19 per cent in 2007-08. Other countries to increase their share over the past 17 years were China, France, Italy, Ireland, Viet Nam and India. Countries for which their shares fell over the period include Brazil, Canada, Indonesia, Malaysia, Singapore, Spain, the Netherlands, Papua New Guinea, the United Kingdom and the United States.

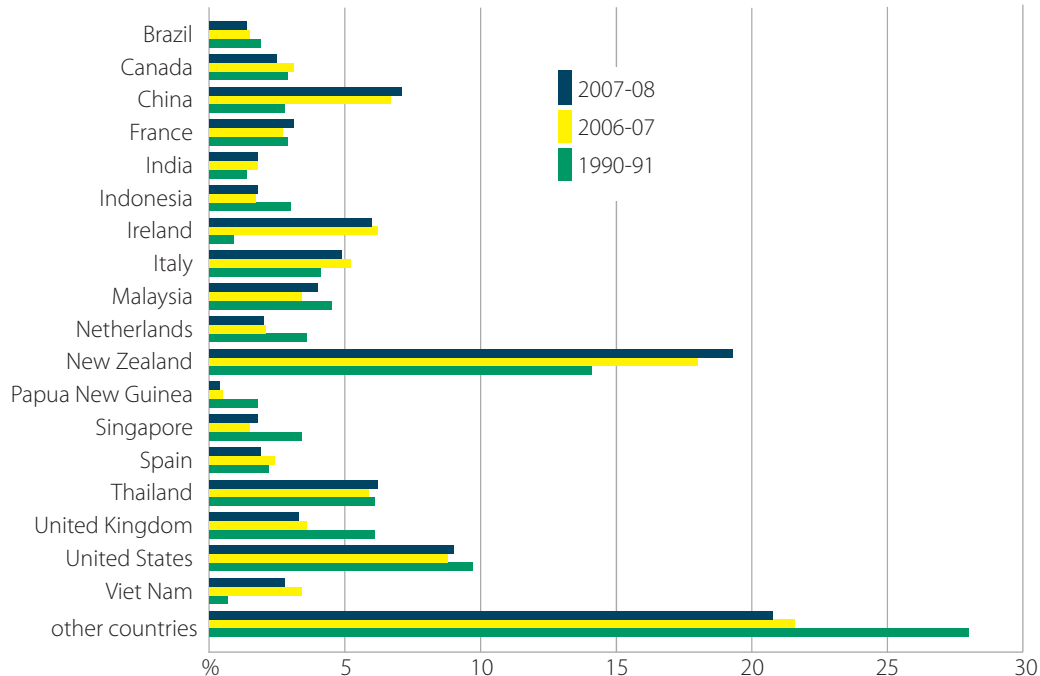
M Composition of Australian food imports





Overview

N Value shares of Australian food imports, by country of origin

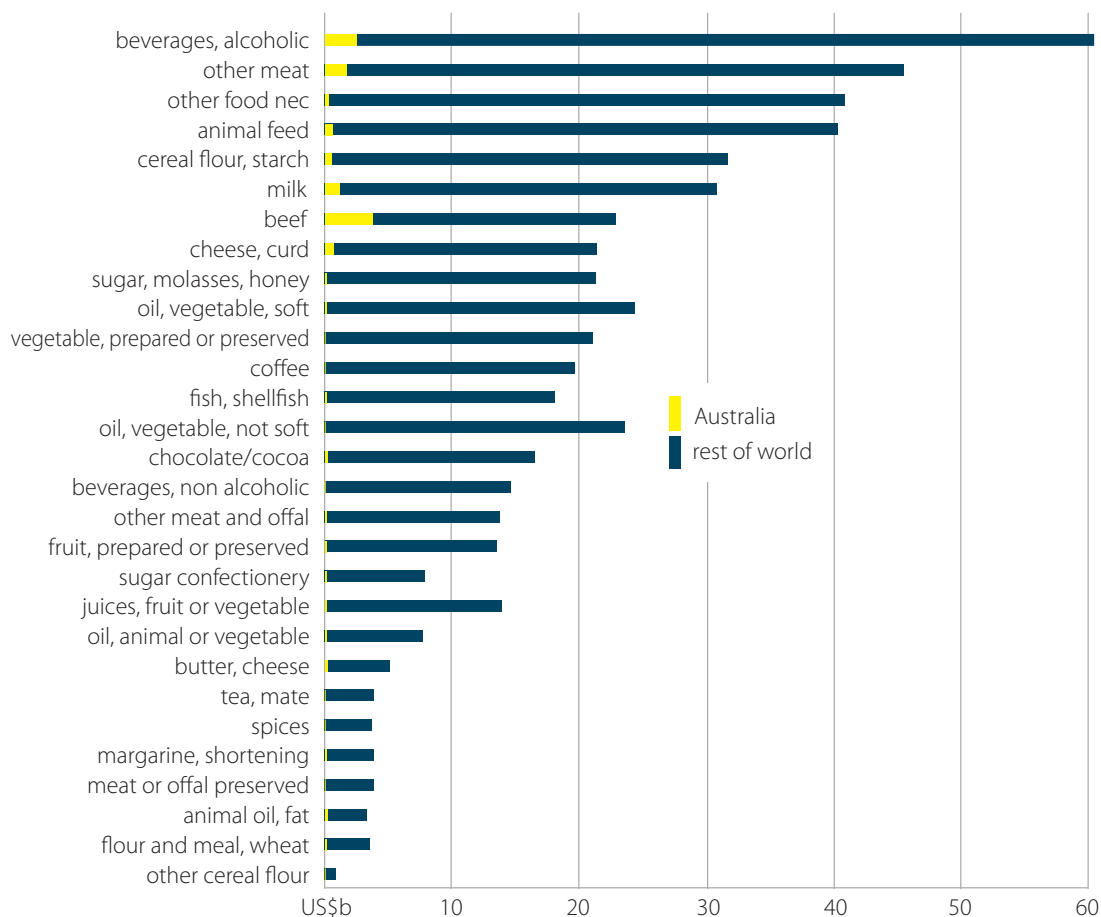


World food trade

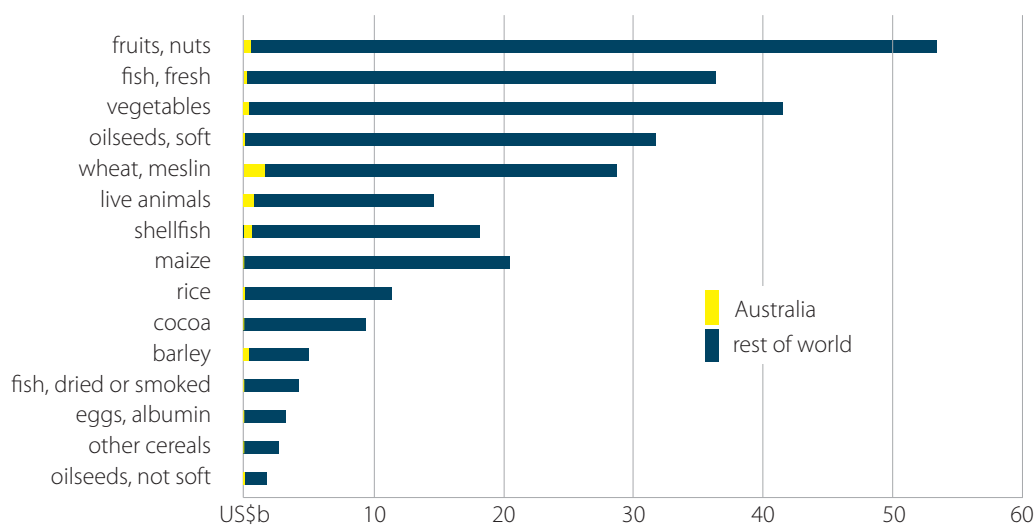
Total world food exports were valued at around US\$836 billion in 2007 — an increase of 19 per cent on the previous year. Substantially and elaborately transformed or processed products constituted the majority (around 65 per cent) of the value of total world food exports. Within the substantially and elaborately transformed exports category, the most important products were alcoholic beverages (around 11 per cent of the substantially transformed exports category), other meat (9 per cent) and other food nec (3 per cent) (figure O). The most traded minimally transformed food items in value terms are fruit and nuts (19 per cent of the minimally transformed exports category), vegetables (15 per cent) and fresh fish (13 per cent) (figure P). For Australia, the value of food exports fell by almost 2 per cent, to US\$17.5 billion in 2007, most likely because of the strong Australian dollar over most of 2007-08. This follows a 5 per cent increase between 2005 and 2006. In 2007, Australia dropped one rank compared with 2006 to be the world's fourteenth largest exporter of food, accounting for 1.8 per cent of world food exports (table 4). The most important of Australia's exports of substantially transformed products in 2007 were beef (20 per cent of the total value in this category), alcoholic beverages (13 per cent) and fresh, chilled or frozen meat (9 per cent).



O World exports of substantially transformed food, 2007



P World exports of minimally transformed food, 2007





Overview

Generally, the world's largest food exporters are also the world's largest importers (table 4). The world's major food importers are the United States, Japan and the high income, industrialised countries of western Europe, particularly Germany, the United Kingdom and France. These high income countries typically import high value food products, which are either undersupplied by their own agricultural and fisheries food industries or cannot be grown economically in their climate (such as tropical fruit).

For the United States, the top three imports of minimally transformed food products by value were fruits and nuts, which accounted for more than 15 per cent of this category, vegetables (6 per cent), and shellfish (2 per cent). The top three US imports of processed foods included alcoholic beverages (27 per cent of processed imports), cereal, flour or starch, and coffee and coffee substitutes (both 7 per cent). There have been no significant changes in shares between 2006 and 2007.

4 Main food trading countries, by value of trade, 2007

rank	country exporters	share %	rank	country importers	share %
1	United States	8.9	1	United States	10.2
2	France	5.9	2	Germany	8.0
3	Netherlands	5.6	3	United Kingdom	6.5
4	Germany	5.4	4	Japan	6.2
5	Brazil	4.0	5	France	5.3
6	Spain	3.4	6	Italy	4.6
7	Belgium	3.4	7	Netherlands	4.4
8	China	3.3	8	Spain	3.8
9	Canada	3.2	9	China	3.8
10	Italy	3.1	10	Belgium	3.7
11	Argentina	2.8	11	Russian Federation	2.9
12	United Kingdom	2.4	12	Canada	2.7
13	Thailand	1.8	13	Mexico	2.1
14	Australia	1.8	27	Australia	0.9





Year in review

Steve Spencer, Director, Freshlogic, Melbourne

The 2007–08 financial year contrasted sharply from previous years in the food sector, as the global shortage in the supply of a number of key food commodities flowed through into higher prices for domestic supply chains and to Australian consumers. The domestic retail food market enjoyed prosperity in the first half of the year, but felt increasing pressures on household disposable incomes which adversely affected consumer behaviour towards shopping and dining choices. The stronger Australian dollar weakened returns from export markets, while ongoing poor seasonal conditions curtailed broadacre and intensive livestock production.

Economic settings

Throughout 2007–08, the global trade and general economic environments presented the Australian food industry with a number of challenges.

Historical high commodity prices for grains and dairy products prevailed in world markets because of shortages in supply and ongoing strong demand. Unreliable climatic factors contributed to supply difficulties for some large producers. In some emerging economies, rising prices and continued shortages of some commodities threatened the security of food supplies.

Consumer spending and confidence in the first half of the 2008 calendar year declined steadily to levels not been seen since 2001-02. Rises in fuel prices, mortgage interest rates and food and energy costs created pressures on household disposable incomes and heavily affected consumers' attitudes.

The Australian dollar traded between US79c and US96c in the 2007-08 financial year, and averaged close to US90c for the year as a whole. This was considerably stronger than the previous year's average of around US78c. The strengthening of the Australian dollar against the US dollar and the currencies of other major trading partners continued to adversely affect the competitiveness of export products and provided opportunities for higher volumes of imports.

Net imports of processed fruit and vegetables increased by 25 per cent to \$822 million and net imports of processed seafood increased by 9 per cent to \$655 million in 2007-08.



Year in review

Interest rates continued to rise during the period which added to business costs and pressures on household incomes. The Reserve Bank lifted official cash rates by a full 1 per cent over the year to June 2008, taking the official cash rate to 7.25 per cent. Strong inflationary pressures driven by a strong Australian economy and buoyant resource demand contributed to the rise in interest rates.

Unemployment remained low and stayed between 4 per cent and 4.3 per cent over the year. The tight labour market and skill shortages, generated by the demand for labour from the prosperous resources sector, continued to underpin higher wage costs.

The value of rural agricultural production recovered because of the increase in prices of most tradable farm commodities and more favorable seasonal conditions in several regions of the country. Farm GDP increased 13 per cent to \$25.3 billion in 2007–08.

Food CPI increased strongly over the second half of the financial year as the effects of rises in tradable food commodity prices flowed into the Australian food supply chains and retail prices. The food CPI ended the year up 3.9 per cent in the June quarter, which compared to general inflation of 3.8 per cent.

Global demand for biofuels continued to increase, affecting prices for a range of key commodities.

Drought

Primary production was again adversely affected by dry conditions in grain and livestock production regions. Improved rainfall in some parts of Australia resulted in a 33 per cent increase in grains and oilseeds production in 2007-08 compared with 2006-07, yet this was still well below average levels.





Food sector trends 2007-08

Domestic food retail markets

The food retail market grew by 7.5 per cent in 2007–08, which was slightly higher than market growth in the previous year. Food CPI increased on average and contributed around 3.9 per cent of total revenue growth for the year.

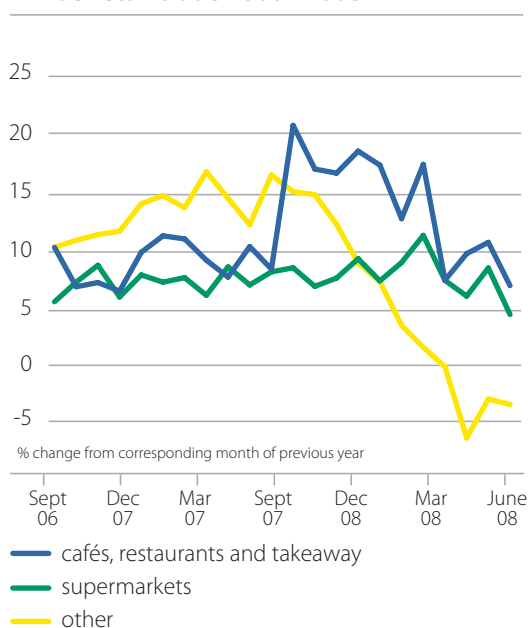
While supermarkets again showed steady levels of sales growth, the café and restaurant sector grew at a faster rate than previous years over 2007–08. The café and restaurant sector grew by 14.1 per cent over the full 2007–08 year, which was again the largest growth of the food channels. However, that growth rate tapered in the second half of 2007–08 financial year and fell further in the first half of 2008–09 because of a sharp fall in consumer sentiment and a tightening of discretionary spending on food. This trend also adversely affected food sales in the 'other' category, which includes specialist and convenience food retail stores. This category is more exposed to an increase in price sensitivity by consumers.

Year-on-year monthly changes in sales fluctuated across the three major food distribution channels throughout the year. Cafes, restaurants and takeaway sales showed the greatest volatility compared with the more stable supermarket channel (figure a).

During the second half of 2007–08 and in early 2008–09, the steady increase in petrol prices, energy and food prices, and interest rates helped undermine consumer confidence and constrained the retail sales growth seen in the first half of the financial year.

Financial pressure has led to distinct signs of consumers 'trading down' their food purchases and eroding the value for food suppliers and distributors. This trend is evident in supermarket data and consumer behavior.

A Food channel sales growth
ABS retail trade 2006 - 2008





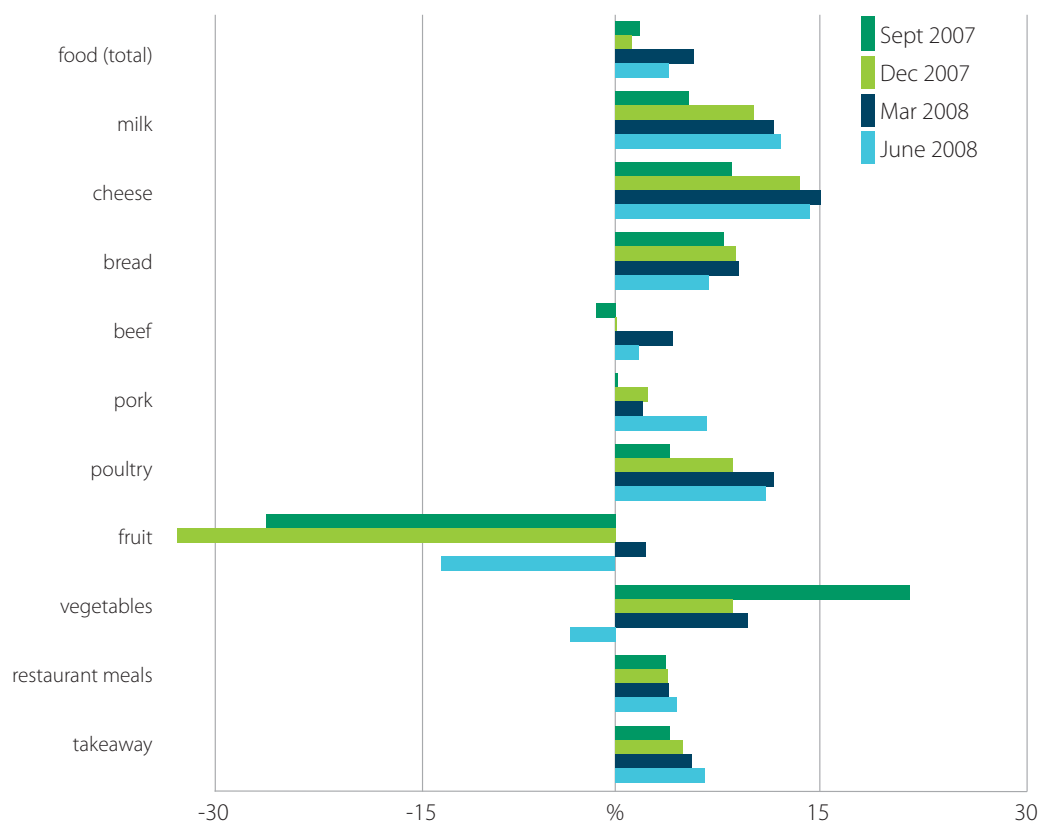
Year in review

For example, consumers are:

- switching from brands to retailer private label
- switching from functional items to conventional or plain products
- changing pack sizes
- eating more meals at home
- spending less on eating-out

Food CPI rose in 2007–08 as high international prices for food and food production inputs gradually flowed through to retail prices for a number of categories affected by global prices, such as dairy and poultry. The rise also reflected the volatility in product availability in other areas because of seasonal factors affecting fruit, vegetables and beef supplies. Figure b depicts the quarterly CPI for a number of grocery and eating-out categories and shows the variability in the effect of these factors over the year.

B CPI: Food groups 2007-08 (percentage change over 2006-07)





Grocery retail

The supermarket and grocery stores sector posted growth in total turnover of 7.6 per cent. While this was stronger than 2006–07, it was built on higher food price inflation. Underlying business growth varied between the major grocery retailers; Woolworths posted sales growth (10 per cent gain in supermarket sales) that was twice that of Coles, however the aggregate sales growth of the two leading supermarkets was below that of the overall food sector. This reflects the continuing trend of slower sales growth for supermarkets relative to the food services sector. Underlying same-store sales (which records the sales activity in stores open for more than a year) showed a similar gap; Woolworths grew by 6.3 per cent and Coles by about 2.1 per cent over the 2007–08 year.

Sales growth for the major supermarkets has again been constrained by trends evident for several years:

- improving performance of independent ‘banner’ groups, such as IGA and Foodworks
- expansion of Aldi’s supermarket store network
- competitiveness of specialty fresh food retailers such as greengrocers, bakery franchises and certain butchers

Figure c compares changes in value and volume for a number of major categories for 2007–08 with the previous year and illustrates the diversity in year-on-year changes. Several categories, including cheese, yoghurt and ice cream, experienced slowing sales growth as price-sensitive consumers reacted to higher food prices.

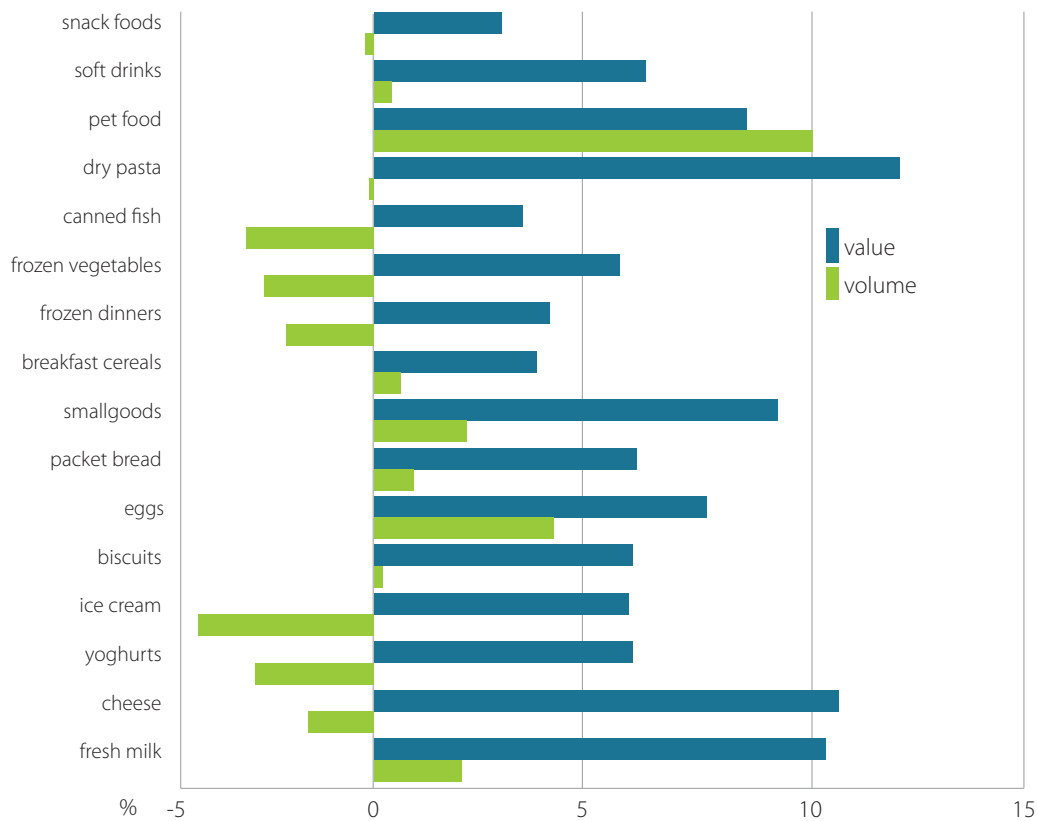
Major grocery chains increased the use of the ‘value’ theme in their food promotional activities, especially in mid-2008 when the pressures from fuel and interest rates were affecting household budgets most significantly. As consumers displayed increased sensitivity to higher cost items and a tendency to trade down, retailers opted to lead their advertising with lower value options. The ‘loss-leader’ approach did not involve all categories, but was apparent in advertised price from late in the 2007–08 year.

The supermarket sector was scrutinised in the first half of the 2008 calendar year with the ACCC inquiry into grocery prices. The ACCC report released on 5 August 2008, found the Australian grocery market to be competitive but also highlighted a number of key areas for reform. These include the introduction of a mandatory unit pricing regime and creeping acquisition law and action to address anti-competitive aspects of state and local zoning and planning laws.



Year in review

C Percentage changes in supermarket sales in key categories



Creeping acquisitions are defined as a series of small acquisitions that individually would not substantially lessen competition in a market, but collectively may have that effect over time.

Eating-out

Gradual change in household structures and several years of increasing affluence have supported growth in the diversity of the eating-out market.

During the first half of 2007-08, the eating-out food market continued the growth seen in the previous year. A shift in consumer demand for more convenient, healthier meal options helped increase sales for fast-food businesses. The ongoing enhancement to menu variety and the promotion of more healthy alternatives to fatty, fried foods continued to encourage further growth in this sector.

However, the pressures on household incomes in 2008 restrained sales growth of the overall eating-out market and saw consumers spend less on meals out of the home.



The share of spending on eating-out declined significantly in the third quarter of 2007–08, departing from the conventional seasonal patterns established over several recent years of consumer affluence. The discretionary elements of eating-out were firstly affected by higher costs of living in the first half of the 2008 calendar year, and then by the reduced consumer confidence created by the financial crisis in the first half of the 2008–09 financial year.

Fast-food retailers responded to worsening consumer spending with a greater emphasis on 'value' meals to increase penetration across the three major daily occasions. While the average weekly spend in these outlets fell as 2008 progressed, the use of these outlets by households for meal options remained strong based on Freshlogic's research.

Corporate and investment activity in the food sector

Corporate activity in the food sector is driven by a number of opportunities and pressures flowing from the current and likely future conditions in Australian food sector value chains, such as the influence of higher consumer support for private label lines, increased imports of processed food products and ingredients, and changes in consumer preference. Competitive pressures within the retail market have placed further impetus on investment activity and are expected to continue.

A number of major corporate ownership changes in the retail and processing sectors occurred during 2007–08:

- Wesfarmers' purchase of Coles Group Limited
- The sale of Dairy Farmers to National Foods (a subsidiary of Kirin Holdings), which commenced in early 2008, was completed late in the calendar year
- George Weston Foods' purchase of KR Castlemaine
- The sale of Golden Circle, which was eventually sold to Heinz in late 2008
- Goodman Fielder's purchase of Paradise Foods.

Investment interest within the financial sector saw an increase in acquisition activity in farming assets, as well as strategic investments in land and water resources to underpin food production systems. More recently, the financial crisis is slowing this activity because of a far more cautious approach to property asset valuation by lenders.

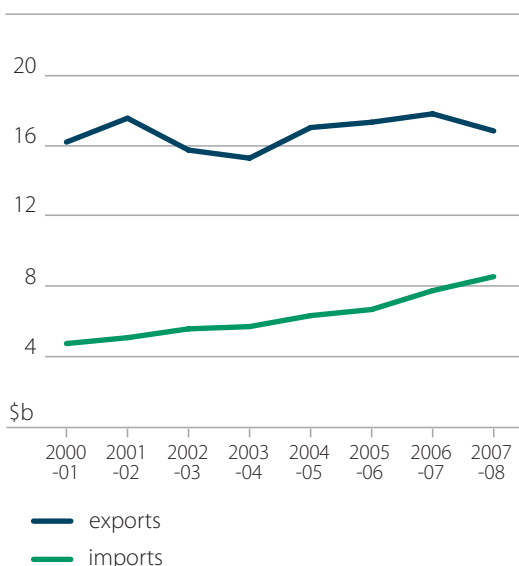


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International trade

A steady level of exports and a slight increase in imports was broadly consistent with recent trends in net trade flows. Generally trade was at high prices due to the global shortage in a number of key commodities. Wheat export prices on average rose 26 per cent, while the average value of dairy exports rose by around 33 per cent. Yet each industry exported lower tonnages because of reduced output caused by adverse seasonal conditions.

D Trade in processed food: substantially and elaborately transformed food products, 2000 to 2008



Australia remained a significant net exporter of agricultural food products, despite a 10 per cent increase in the value of food imports (figure d). The total value of food exports remained relatively static at \$23.4 billion in 2007–08, with substantially and elaborately transformed food exports totaling about \$16.6 billion.

The value of meat exports weakened by about 7 per cent in 2007–08 because of the net effect of a stronger Australian dollar and higher \$US selling prices to the United States, Japan and the Republic of Korea. The Japanese market for Australian beef was adversely affected by a stagnating Japanese economy and the gradual return of US beef to that market

after the lifting of some restrictions imposed in 2003 because of the discover of BSE, bovine spongiform encephalopathy, or 'mad cow disease'. The US beef market took fewer imports because of local oversupply resulting from delays in achieving export growth. Lamb and mutton returns held firm but remained lower than the levels reached in 2005–06.

Higher prices of some commodities have caused buyer resistance and substitution because of the inability to pass on higher input costs to end consumers, especially in developing markets where price sensitivity is greater. This effect weakened dairy prices in the 2008 calendar year.

Global shortages in grains, dairy products, poultry and pork motivated a number of governments to implement trade policies aimed at protecting local consumers from high prices. Some countries reduced tariff levels to free up trade flows, while others restricted exports to depress domestic prices.



Outlook and key trends

Overall the outlook for the Australian food industry for the next two to three years is one of growing complexity and volatility as a number of major drivers of the world economy influence food supply and demand.

Tight world market conditions in some major commodity groups are likely to result in higher food prices and costs over the medium term. Greater consumer awareness of environmental effects and the benefits of healthy lifestyles will continue to provide opportunities and challenges for food producers and marketers.

The global financial crisis and other determinants of industry performance

A range of determinants will drive the Australian food industry over the short to medium term. Most significantly the global financial crisis is expected to influence several aspects of the food industry for at least the next two to three years while major economies recover (table 5).

The trade environment

The world economy is expected to move into recession in the second half of the 2008–09 financial year as the rapid slowdown in the United States, Japanese and European economies slows growth in the emerging economies. Trade in food and agricultural products will continue, but at lower volumes and lower prices than seen in the past couple of years.

The length and depth of the recession will be highly dependent on the effectiveness of economic stimulus packages implemented by a number of governments. Those strategies have a wide variety of targets, including protecting troubled assets, supporting threatened banking groups, stimulating consumer spending and the investment in public and infrastructure works projects.

While the recovery in the US economy is of paramount importance in the trade outlook, the ability for major demand economies, such as China and India (and their beneficiary neighboring economies), to stave-off recession will also be critical to restoring stability in trade, including that of food and agricultural products. Growth of food markets in emerging economies is particularly affected by the crisis, as a strong link exists between GDP growth and the expansion in food demand in such nations.

The severe recession in Japan caused by the global economic slowdown will reduce demand for Australian beef and dairy exports and unit prices received. In addition,



5 Short to medium term determinants of Australian food industry performance

	effect	likely consequences
Commodity prices	Sharp falls in dairy and grain prices were experienced early in 2008-09 because of fears of falling demand, which is expected to be weakened by lower GDP growth. Over-supply in some cases will be worsened by the supply responses to recent high commodity prices (prior to the financial crisis).	Commodity prices will generally settle at new levels which are well below those reached when food prices peaked in 2007 and early 2008.
Trade	Some disruption to trade activity was experienced in late 2008 because of trade finance restrictions on some exporters and importers. Trade activity will slow because of lower consumer and industrial demand.	Food security may resurface as a key driver of bilateral trade deals.
Domestic food market	Significant trading down in consumer choices will erode value, which will worsen as the effects of the economic downturn continue to constrain consumer spending. A greater share of food spending in grocery stores with a migration towards cheaper eating-out and takeaway options.	Producers and suppliers will face tighter margins as consumers and retailers maintain a focus on value while demand and spending are constrained. Innovation in food products, including functionality, will be limited by lower demand for premium products. A sustained shift in favour of private label lines is possible, which will erode value in some categories. Bringing the consumer back to supplier brands may take targeted marketing and product innovation that addresses concern for value for money.
Currency value	Currency volatility is expected because of uncertainty about the spreading effects of the financial crisis on the economic stability of major trading partners and their financial sectors. The Australian dollar is weaker because of the sharp fall in prices of resource commodities.	The trading range of the \$A is forecast by major banks to be in the US60-75c range over the period to the end of the 2009 calendar year which will help buffer exporters from the full extent of food commodity price falls. Potential export growth in some categories due to the lower \$A value.



5 Short to medium term determinants of Australian food industry performance

	effect	likely consequences
Input costs for producers	<p>Sharp falls in the prices of oil and fertiliser have reduced costs, although the fall in the Australian dollar has mitigated cost savings, especially in fuel costs.</p> <p>Livestock producers dependent on grain inputs have benefited from a fall in world prices for grains, but these markets are also significantly affected by local supply and demand factors.</p>	<p>The challenge for producers will be managing their businesses in times of unusually high levels of marginal volatility, given the uncertainty of future price and cost movements affecting business outputs and inputs</p> <p>A steady return to higher average prices because of inherent global shortages in food and production inputs is expected.</p> <p>Recovery in fuel prices will be governed by sentiment about growth in industrial demand.</p>
Global food supply security	<p>The long-term underlying food supply security issues which emerged strongly in 2007 have not abated despite the slowing in trade.</p>	<p>Medium-term food security issues remain given increasing demand, demographic change in developing markets, climate variability and other factors constraining production.</p>





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improved access to Japanese and Korean markets by US exporters over time will ensure increased competition for market share in a tough economic climate.

Trade reform

The rapid onset of a global recession has created significant uncertainty for progress towards unilateral, bilateral and multilateral trade reform. The difficulties faced by workers and primary producers in a number of countries has resulted in pressure on some governments to implement short-term protectionist measures.

While the effects of the crisis may best be alleviated by concerted international action to improve trade flows and reduce barriers, some individual governments have nonetheless acted to protect their own constituents as an immediate priority.

In 2008, considerable progress was achieved in the World Trade Organisation (WTO) Doha round of trade negotiations. A key positive outcome was the release of the revised draft negotiating texts on agriculture and non-agricultural products in December. These texts narrowed many differences and captured much of the progress made during and since the July 2008 ministerial meeting.

WTO members continue to work together to resolve the few outstanding issues and Australia is pushing hard for the round to be concluded this year. At the G20 Leaders Summit in London in April 2009, leaders reiterated their commitment to reaching an ambitious and balanced conclusion to the Doha round.

Concluding the Doha round will play a major role in restoring confidence in the economic climate. It will set the path for future growth opportunities and will introduce disciplines to limit the tendency towards increased protectionism.

The policy directions of the United States Obama administration are critical to the progress of the Doha Round. Recent legislation passed by the United States Congress continues the trade and production distorting farm support programs of past years, making significant reform to these protectionist measures more difficult in the Doha round negotiations.

In 2007–08, the European Union agreed to implement changes in its Common Agricultural Policy. These changes include reducing intervention support, establishing a timeline for the elimination of export subsidies in several food sectors and a phased dilution of the effect of production quotas and direct farm subsidies. Some measures were reinstated to address severe price reductions affecting EU farmers in the wake of the current economic crisis. The extent to which such measures will influence world market prices in the short term is uncertain.



In addition to the Australian Government's number one trade priority to secure a comprehensive and ambitious outcome from the Doha Round, Australia maintains an ambitious free trade agreement agenda to complement this multilateral strategy. Australia is negotiating free trade agreements with Japan, China, Malaysia, the Gulf Cooperation Council countries and the Republic of Korea; and recently concluded an agreement with the Association of South East Asian Nations and New Zealand. These agreements seek to improve incomes and opportunities for Australian exporters by eliminating tariffs and other regulatory barriers.





Food industry challenges

The outlook for major food commodity production and supply is uncertain and will vary as each category feels the effects of a range of factors, especially the current decline in global economic growth.

Climate Change and the CPRS

Sustainability of food production and supply will remain a major long-term challenge for the primary production sector of the Australian food industry. The Australian Government is proposing to implement trading in emission credits as part of a Carbon Pollution Reduction Scheme (CPRS) in 2011. While the timeline and mechanisms for the inclusion of agriculture in the CPRS will not be decided until 2013, with potential adoption in 2015, the effect of the CPRS on other sectors of the economy is likely to partly flow through to input costs of primary producers in the meantime.

A great deal of uncertainty surrounds the implementation of the CPRS by food production industries and supply chains, including the point of assessment of actual emissions, and methods of measurement that will be applied to production activities. Significant research and development is required to address measurement and mitigation strategies. At the same time, primary producers and marketers must monitor the rapid changes to strategies of input suppliers, food processors and retailers in response to the CPRS.

The full effect of the CPRS on the Australian food industry in the next five to 10 years will depend largely on the extent to which other nations commit to the adoption of similar schemes. Potential reluctance by some countries to expose their industries to the cost impost of emission reduction regimes poses considerable risk. Another major factor affecting the food industry is the extent to which industry sectors identify, adopt and educate their participants on strategies to mitigate their exposure to emissions and consequential costs.

Intensive food production systems will continue to experience pressure from unreliable rainfall patterns and reduced irrigation water supplies, especially in the Murray-Darling Basin. Increased competition for water resources, with changes to the economics of certain food production industries and reduced availability of water entitlements, will challenge the viability of many affected farm enterprises in dairy, horticulture and meat production.



Sustainability of farm businesses will in future demand ongoing improvements in management strategies to better cope with variable seasonal conditions and reduced irrigation allocations, and the adoption of risk management practices to address volatility in input costs.

Managing in volatile times

The sharp decline in global economic growth has ensured that volatility in international soft commodity prices will continue. However, the prospects for Australian food exporters and the effect of global trade on domestic food prices will depend on case-by-case developments, as some markets stabilise faster than others.

Food markets will, at least in the short term, experience a decline in demand from developing markets in Asia, Northern Africa and Latin America. Uncertainty in ongoing supply to these markets by certain export competitors, because of lower returns for their primary producers, also threatens the stability of export markets.

Governments in emerging economies are faced with new problems in addressing the affordability of staple foods for their populations. Global food shortages created acute price pressures recently, but a stalling in global trade demand (especially in consumer goods bound for the United States and Europe) and negative domestic economic growth present further complexities for developing economies, where there is a high dependence on export incomes.

The incidence of droughts and unseasonal climatic conditions in a number of regions including Australia will influence grain, dairy, horticulture and meat markets.

It appears that as at mid-June 2009 that biofuel production in the United States and European Union will continue to be aided by government subsidies and incentives for consumers and fuel producers for the short term. However, the uncertainty of the investment climate for equity and debt providers may result in the deferral of expansion plans. This, in turn, may slow private sector investment in research and development efforts to identify commercially viable alternative fuels.

Innovation investments

Household composition, shopping, eating trends and other lifestyle choices continue to have a considerable effect on competition within the food market. Future prospects and opportunities for suppliers and distributors into domestic retail food markets will be significantly affected in the short term by the economic slowdown and its effect on household spending patterns. As a consequence, value will be eroded from some



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categories as consumers seek cheaper food items. It is unclear whether the patterns of spending indicate a lasting change in shopping and eating trends, or whether households will revert to less cost-conscious behavior following economic recovery.

The 2008 shift of consumer spending towards supermarkets and cheaper eating-out options will result in some refocussing of investments in marketing and product development. Of particular note is the greater share of food categories being won by retailer private labels, which offer lower wholesale margins for suppliers and less scope for payments from investments in innovation and product differentiation.

Lower margins in core food products may discourage innovation in new product development and lead to further consolidation in brands, products and suppliers. Pressures on innovation investments will be acute and will require a more considered approach to ensure returns are delivered. In the short term at least, retailers will maintain a value for money focus which will be a strong influence in any investment in innovation.



1.1 Agricultural food production, by commodity

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Crops							
Grains a							
Wheat	kt	10 132	26 132	21 905	25 150	10 822	13 569
Barley	kt	3 865	10 382	7 740	9 482	4 257	7 159
Oats	kt	957	2 018	1 282	1 688	748	1 503
Maize	kt	310	395	420	380	240	387
Rice	kt	438	553	339	1 003	163	18
Lupins	kt	726	1 180	937	1 285	470	662
Field peas	kt	178	487	289	585	140	268
Chickpeas	kt	136	178	116	123	232	313
Mung beans	kt	34	47	53	48	34	45
Navy beans	kt	5	5	5	5	5	8
Faba beans	kt	108	277	168	329	108	138
Lentils	kt	67	175	83	210	36	131
Oilseeds							
Canola	kt	871	1 703	1 542	1 419	573	1 214
Sunflowerseed	kt	25	58	62	98	18	73
Soybeans	kt	18	74	54	55	32	35
Cottonseed	kt	546	494	912	844	388	188
Other oilseeds	kt	63	81	70	64	46	68
Other							
Sugarcane	kt	36 995	36 993	37 822	37 128	36 397	32 621
Peanuts	kt	28	44	32	25	18	41
Horticulture							
Fruit							
Apples	kt	326	260	327	276	270	265
Pears	kt	136	139	148	142	135	128
Nashi	kt	3	4	4	3	3	3
Avocado	kt	41	42	33	34	47	na
Melons	kt	175	204	176	219	205	219
Pineapples	kt	105	110	104	153	165	na
Bananas	kt	265	257	266	187	213	208
Kiwifruit	kt	3	3	na	5	6	na
Mangoes	kt	39	37	47	36	58	49
Wine grapes	kt	1 411	1 917	1 925	1 902	1 397	1 837
Table and dried grapes	kt	167	198	208	200	177	119
Oranges	kt	599	395	498	507	471	409
Mandarins	kt	98	97	121	92	108	95
Lemons/limes/grapefruit	kt	50	41	47	46	44	38
Nuts and berries							
Almonds	kt	10	11	16	16	27	26
Chestnuts	t	700	600	800	800	na	na
Macadamia	kt	24	29	32	32	34	33
Berries b	kt	24	22	26	30	na	na

Continued

Australian food production

1.1 Agricultural food production, by commodity *continued*

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
Horticulture (continued)							
Stonefruit							
Peaches	kt	97	74	90	91	82	68
Nectarines	kt	30	25	40	49	49	na
Apricots	kt	20	11	20	17	17	na
Plums	kt	33	24	33	26	27	na
Cherries	kt	9	8	8	10	10	na
Vegetables							
Potatoes	kt	1 247	1 310	1 288	1 250	1 212	1 400
Onions	kt	229	233	256	222	246	254
Carrots	kt	306	303	316	265	271	273
Asparagus	kt	12	10	11	10	6	10
Broccoli	kt	55	52	56	48	46	46
Cauliflower	kt	73	78	76	77	70	64
Tomatoes	kt	364	474	408	450	296	382
Mushrooms	kt	39	46	48	44	43	47
Lettuce	kt	122	127	132	163	271	169
Capsicum/chillies	kt	41	56	47	64	58	59
Cabbage	kt	na	na	na	79	82	72
Beans	kt	35	31	34	38	29	30
Other	kt	121 c	125 c	118 c	325	335	476
Livestock slaughtering							
Cattle and calves	'000	9 228	8 779	8 853	8 401	9 081	8 799
Cattle exported live d	'000	977	581	574	549	638	713
Sheep	'000	13 657	10 421	11 443	11 830	13 271	11 929
Lambs	'000	16 870	16 562	17 331	18 666	20 158	20 899
Sheep exported live d	'000	5 843	3 843	3 233	4 248	4 138	4 069
Pigs	'000	5 742	5 591	5 342	5 370	5 322	5 217
Poultry for meat	million	419	424	438	438	454	461
Livestock products							
Milk	ML	10 328	10 076	10 127	10 089	9 583	9 223
Eggs	'000 dozen	190 706	193 045	202 653	250 413	236 439	na
Fisheries products							
Tuna	kt	13	15	11	13	13	15
Other fish	kt	152	166	172	149	144	145
Prawns	kt	26	28	24	24	21	22
Rock lobster	kt	17	19	18	16	14	14
Abalone	kt	5	6	6	6	5	5
Scallops	kt	10	9	16	9	11	10
Oysters	kt	11	13	12	12	14	12

a Includes products for non food use. b Includes strawberries, raspberries, blackberries, blueberries and blackcurrants. c Peas and pumpkins only. d Excludes animals for breeding. na Not available.

Sources: ABARE, *Australian Crop Report*, Canberra; ABARE, *Australian Fisheries Statistics*, Canberra; ABS, *Selected Agricultural Commodities, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; ABS, *Summary of Crops*, cat. no. 7330.0, Canberra; Horticulture Australia Limited, *Australian Horticultural Statistics Handbook, 2000-2001 and previous editions*, Sydney; Australian Citrus Growers Incorporated, *Annual Report 2000*, Adelaide; Almond Board of Australia, *Australian Almond Statistics*, South Australia; ABARE.

1.2 Value of agricultural food production, by commodity

	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Crops						
Grains a						
Wheat	2 692	5 636	4 317	5 099	2 619	5 113
Barley	984	1 750	1 233	1 417	1 039	2 236
Oats	210	279	172	249	181	398
Maize	72	88	81	71	60	90
Rice	153	180	101	284	56	8
Lupins	212	278	193	251	125	111
Field peas	61	113	68	130	40	109
Chickpeas	65	58	36	57	153	195
Mung beans	19	20	26	28	25	33
Faba beans	52	110	68	104	57	111
Oilseeds						
Canola	389	686	503	473	227	577
Sunflowerseed	10	20	21	42	13	66
Soybeans	7	27	15	17	11	21
Cottonseed	118	89	126	142	95	51
Other oilseeds	39	44	36	30	25	50
Other						
Sugarcane	1 019	854	980	1 032	1 221	897
Total crops	6 101	10 232	7 974	9 425	5 947	10 065
Horticulture						
Fruit						
Apples	381	368	529	360	484	494
Pears	80	105	89	86	106	na
Nashi	9	10	10	10	10	na
Avocado	92	104	91	82	123	na
Melons	114	144	132	164	173	na
Pineapples	33	37	34	72	91	na
Bananas	322	286	327	431	860	na
Kiwifruit	6	8	8	8	8	na
Mangoes	82	86	135	98	134	na
Wine grapes	1 143	1 539	1 377	1 172	898	1 446
Table and dried grapes	192	166	220	207	240	172
Oranges	337	236	310	275	311	na
Mandarins	120	133	111	118	159	na
Lemons/limes/grapefruit	28	31	25	33	43	na
Other fruit	130	132	144	216	236	na
Nuts and berries						
Almonds	53	58	77	105	129	na
Chestnuts	5	5	5	5	5	na
Macadamia	75	102	119	105	80	na
Berries b	161	190	191	237	295	na

Continued

Australian food production

1.2 Value of agricultural food production, by commodity *continued*

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Horticulture (continued)						
Stonefruit						
Peaches	84	87	99	108	114	na
Nectarines	70	65	91	106	113	na
Apricots	25	24	29	24	48	na
Plums	64	55	58	54	69	na
Cherries	70	65	67	98	82	na
Vegetables						
Potatoes	485	481	434	464	514	692
Onions	126	153	144	145	190	na
Carrots	162	150	166	156	158	na
Asparagus	58	47	48	47	26	na
Broccoli	82	81	74	87	88	na
Cauliflower	59	57	49	53	53	na
Tomatoes	226	280	163	273	296	419
Mushrooms	193	219	242	244	260	na
Lettuce	106	115	112	159	283	na
Capsicum/chillies	72	116	80	172	139	na
Cabbage	30	35	35	62	58	na
Beans	61	62	63	89	73	na
Other	475	392	582	719	793	na
Total horticulture	5 809	6 221	6 467	6 838	7 740	8 050
Livestock slaughtering						
Cattle and calves	5 842	6 341	7 455	7 327	7 550	6 986
Cattle exported live c	569	318	374	358	437	451
Sheep	468	454	418	444	380	413
Lambs	1 161	1 318	1 327	1 378	1 387	1 466
Sheep exported live c	408	266	207	291	289	286
Pigs	911	879	906	890	944	902
Poultry meat	1 281	1 281	1 304	1 223	1 294	1 637
Livestock products						
Milk	2 795	2 809	3 194	3 341	3 178	4 572
Eggs	294	336	328	376	388	464
Total livestock	13 729	14 001	15 512	15 627	15 847	17 176
Fisheries products						
Tuna	317	280	172	175	161	210
Other fish	562	567	559	598	688	715
Prawns	365	360	307	305	267	268
Rock lobster	455	401	415	477	443	407
Abalone	216	198	233	225	217	189
Scallops	35	25	47	23	29	33
Oysters	62	77	74	75	91	89
Other crustaceans and molluscs	152	157	156	166	190	163
Total fisheries	2 164	2 065	1 964	2 044	2 087	2 073

a Includes products for non food use. b Includes strawberries, raspberries, blackberries, blueberries and blackcurrants. c Excludes animals for breeding. na Not available.

Sources: ABARE, *Australian Fisheries Statistics*, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; ABS, *Value of Principal Agricultural Commodities Produced*, cat. no. 7501.0, Canberra; ABS, *Value of Agricultural Commodities Produced*, cat. no. 7503.0, Canberra; Horticulture Australia Limited, *Australian Horticultural Statistics Handbook, 2000-2001 and previous editions*, Sydney; Australian Citrus Growers Incorporated, *Annual Report 2000*, Adelaide; ABARE.

1.3 Number of enterprises engaged in agricultural food production ^a

	2003-04	2004-05	2005-06	2006-07	2007-08
	no.	no.	no.	no.	no.
Main activity					
Grape growing	5 836	5 701	5 019	4 650	4 628
Apple and pear growing	897	891	598	681	815
Stone fruit growing	1 030	1 016	1 065	1 045	778
Other fruit	4 098	3 908	4 570	4 328	4 429
Vegetables	3 819	3 668	4 483	4 325	3 720
Grain growing	14 189	12 319	12 598	10 275	12 689
Grain-sheep/beef cattle farming	15 856	16 900	14 256	13 111	11 908
Sheep-beef cattle farming	7 803	7 549	7 365	7 457	6 146
Sheep farming	9 981	10 658	10 575	9 329	8 117
Beef cattle farming	23 769	24 282	28 464	29 411	26 678
Dairy cattle farming	10 178	9 708	9 179	8 737	8 373
Poultry farming (meat)	709	654	816	785	801
Poultry farming (eggs)	344	335	393	380	342
Pig farming	808	833	829	807	571
Deer farming	5	42	80	144	101
Sugar cane growing	4 538	4 407	4 078	3 899	3 662
Cotton growing	562	620	682	477	293
Total	104 422	103 491	105 050	99 841	94 051
Other agriculture					
Other livestock (including horses)	1 668	1 294	2 375	2 366	1 242
Other crops and plant growing nec	1 286	3 687	3 952	3 872	2 138
All other industries	966	1 128	10 006	9 940	9 099
Total	108 342	109 600	121 383	116 019	106 530

^a Farm businesses with an EVAO over \$22 500 as at 31 March.

Source: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities Australia*, cat. No. 7121.0, Canberra.

Australian food production

1.4 Employment in agricultural food production ^a

	NSW no.	Vic. no.	Qld. no.	SA no.	WA no.	Tas. no.	NT no.	Australia no.
2005-06								
Horticulture and fruit growing	13 250	21 450	18 025	14 875	10 400	2 925	1 075	82 175
Grain, sheep and beef cattle farming	45 375	24 750	24 925	11 650	25 775	5 675	350	138 850
Dairy cattle farming	2 375	11 875	3 150	1 350	1 850	2 275	100	23 075
Poultry farming	3 650	1 850	1 350	475	1 625	125	0	9 175
Other livestock farming	4 150	2 450	2 325	525	1 600	175	100	11 425
Other crop growing	2 900	1 450	4 525	325	250	175	100	9 725
Agriculture not fully defined	11 500	3 775	6 575	2 250	5 075	550	150	30 050
All agriculture	83 200	67 600	60 875	31 450	46 575	11 900	1 875	304 475
Marine fishing nec	775	700	2 200	1 100	1 250	525	200	6 750
Aquaculture	1 100	300	625	775	600	975	100	4 475
Fishing not fully defined	300	400	375	150	500	250	100	2 075
All fishing	2 175	1 400	3 200	2 025	2 350	1 750	400	13 300
2006-07								
Horticulture and fruit growing	14 150	18 925	22 875	12 400	9 325	2 100	1 550	81 525
Grain, sheep and beef cattle farming	42 250	30 975	25 950	13 150	17 775	3 675	1 000	135 000
Dairy cattle farming	1 050	12 875	2 700	1 175	1 175	1 475	100	20 650
Poultry farming	3 000	2 000	2 450	300	625	100	0	8 575
Other livestock farming	2 800	1 875	2 525	2 000	700	200	100	10 300
Other crop growing	3 450	1 600	8 750	200	300	200	100	14 600
Agriculture not fully defined	22 750	2 175	3 675	2 850	4 875	1 425	250	38 300
All agriculture	89 450	70 425	68 925	32 075	34 775	9 175	3 100	308 950
Marine fishing nec	400	500	950	1 025	1 650	225	100	4 850
Aquaculture	1 000	300	450	1 150	425	825	100	4 250
Fishing not fully defined	450	400	900	525	525	175	100	3 075
All fishing	1 850	1 200	2 300	2 700	2 600	1 225	300	12 175
2007-08								
Horticulture and fruit growing	12 200	15 750	20 175	12 675	5 100	2 800	725	69 575
Grain, sheep and beef cattle farming	43 600	29 250	32 675	15 400	20 475	3 800	1 575	146 900
Dairy cattle farming	1 950	15 375	2 075	1 775	1 475	1 600	100	24 450
Poultry farming	3 475	1 125	975	550	425	100	0	6 750
Other livestock farming	2 075	2 900	1 800	1 400	200	100	100	8 675
Other crop growing	3 000	1 275	10 675	275	550	225	100	16 100
Agriculture not fully defined	15 325	5 275	3 675	1 325	5 225	875	125	32 000
All agriculture	81 625	70 950	72 050	33 400	33 450	9 500	2 725	304 450
Marine fishing nec	800	500	1 050	1 225	1 775	525	175	6 050
Aquaculture	1 200	350	450	975	700	1 175	225	5 075
Fishing not fully defined	1 200	400	1 225	475	575	100	100	4 075
All fishing	3 200	1 250	2 725	2 675	3 050	1 800	500	15 200

^a Includes proprietors and partners and employees working for farm businesses with an EVAO over \$22 500. Excludes non salaried directors, consultants, contractors and unpaid labour. **na** Not available.

Source: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Labour Force, Australia, Detailed - Electronic Delivery*, cat. no. 6291.0.55.001, Canberra; unpublished data ABS.

2.1 Supply and use of Australian wheat, canola and pulses ^a

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08 ^p
	kt	kt	kt	kt	kt	kt
Wheat						
Production	10 132	26 132	21 905	25 150	10 822	13 569
Domestic use ^b	5 515	5 738	6 024	6 623	7 404	6 532
Human and industrial ^b	2 427	2 518	2 342	2 361	2 287	2 354
Feed ^c	2 500	2 550	3 060	3 672	4 500	3 500
Seed	588	670	622	590	617	678
Net exports	9 107	17 868	14 675	15 969	8 685	7 444
Change in stocks	-4 490	2 526	1 207	2 558	-5 267	-406
Canola						
Production	871	1 703	1 542	1 419	573	1 214
Domestic use ^b	354	501	423	525	592	692
Crushers	348	494	418	520	586	687
Seed	6	7	5	5	6	6
Exports	517	1 202	892	831	228	472
Canola meal						
Production	195	277	234	291	329	301
Domestic use ^b	195	277	234	291	329	299
Exports	0	0	0	0	0	2
Canola oil						
Production	153	217	184	229	258	237
Domestic use	132	177	150	227	234	180
Exports	26	50	44	32	36	68
Pulses – major crops						
Production						
Lupins	726	1 180	937	1 285	470	662
Field peas	178	487	289	585	140	268
Chickpeas	136	178	116	123	232	313
Apparent domestic use ^b						
Lupins	750	468	508	551	437	577
Field peas	85	89	96	214	114	189
Chickpeas	13	11	9	18	22	23
Exports						
Lupins	175	712	365	494	93	77
Field peas	96	221	115	252	138	141
Chickpeas	113	190	152	161	241	222

^a Wheat and legume export figures are for winter crop years defined as follows: October–September for wheat; November–October for canola (seed and products), peas and lupins. ^b Domestic use may not equal production less exports in any one year due to reductions or increases in stock levels. ^c Calculated as a residual: production less exports less other domestic uses less change in stocks. ^p Preliminary. Note: The export data refer to market year export periods, so are not comparable with financial year export figures published elsewhere. Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABARE.

Supply and use – selected foods

2.2 Supply and use of Australian coarse grains ^a

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08 ^p
	kt	kt	kt	kt	kt	kt
Barley						
Production	3 865	10 382	7 740	9 482	4 257	7 159
Domestic use ^b	2 016	2 476	2 670	2 760	3 153	2 460
As malt and other human use	165	168	172	176	166	165
Feed	1 650	2 100	2 300	2 400	2 784	2 100
Seed	201	208	198	184	203	195
Export	2 607	6 999	4 862	5 917	2 562	4 053
Feed barley	885	4 241	2 798	3 191	1 192	2 303
Malting barley	1 099	2 135	1 464	2 067	659	1 083
Malt (grain equivalent)	624	624	601	660	712	668
Oats						
Production	957	2 018	1 282	1 688	748	1 503
Domestic use ^b	836	1 809	1 144	1 497	713	1 322
Human	128	131	134	136	138	140
Feed	656	1 635	965	1 314	532	1 138
Seed	52	43	45	47	43	44
Export	121	210	138	191	35	181
Triticale ^c						
Production	327	826	611	676	199	450
Domestic use ^b	327	826	611	676	199	450
Feed	305	807	594	660	181	432
Seed	22	19	17	16	18	18
Sorghum						
Production	1 465	2 009	2 011	1 929	1 283	3 072
Domestic use ^b	1 401	1 386	1 753	1 846	1 173	2 115
Feed	1 397	1 382	1 749	1 842	1 169	2 112
Seed	4	4	4	3	4	4
Export	375	64	623	259	83	110
Maize						
Production	310	395	420	380	240	387
Domestic use ^b	294	385	413	370	229	352
Human, industrial	104	106	109	112	115	117
Feed	189	277	303	258	113	233
Seed	1	1	1	1	1	1
Export	63	16	10	5	10	11
Total coarse grains						
Production	6 924	15 630	12 064	14 155	6 727	12 571
Domestic use ^b	4 874	6 882	6 592	7 149	5 467	6 699
Human, industrial	396	406	415	424	419	422
Feed	4 197	6 201	5 910	6 473	4 779	6 016
Seed	281	275	266	252	269	261
Export	2 810	7 845	5 265	6 229	3 435	4 875

^a Market years are November–October for barley, oats and triticale, and March–February for sorghum and maize. This means that the 1998-99 barley crop harvested in November 1998 to January 1999 is marketed from November 1998 to October 1999. The 1998-99 sorghum crop harvested in March to May 1999 is marketed from March 1999 to February 2000. The sum of domestic use and exports may differ from production as a result of changes in grain stock levels. ^b Domestic use may not equal production less exports in any one year due to reductions or increases in stock levels. ^c Excludes small quantities of triticale for export. ^p Preliminary.

Note: The export data refers to market year export periods and so are not comparable with financial year export figures published elsewhere.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABARE.

2.3 Supply and use of Australian dairy products

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08 p
Production of wholemilk	ML	10 328	10 076	10 127	10 089	9 583	9 223
Manufacture							
Butter a	kt	164	149	147	146	133	128
Cheese	kt	379	384	388	373	364	359
Non-cheddar	kt	166	176	193	181	185	137
Cheddar	kt	213	208	196	192	179	222
Wholemilk powder	kt	198	187	189	158	135	142
Skim milk powder b	kt	197	182	189	205	191	164
Casein	kt	13	14	13	12	8	10
Buttermilk powder	kt	17	17	17	16	14	13
Consumption							
Butter	kt	67	70	77	78	82	83
Cheese c	kt	239	230	228	233	244	247
Australian	kt	195	190	186	190	199	201
Wholemilk powder	kt	22	24	22	23	24	24
Skim milk powder b	kt	38	38	38	39	41	41
Casein	kt	1	1	2	2	2	2
Market milk	ML	1 942	1 981	2 024	2 066	2 162	2 188
Exports							
Butter and butterfat a	kt	111	84	69	83	81	57
Cheese	kt	208	212	228	202	213	203
Wholemilk powder	kt	142	117	105	110	94	82
Skim milk powder	kt	182	156	141	181	164	123
Casein	kt	21	18	13	8	12	9
Other products							
Fresh milk	ML	88	86	87	86	82	68
Other fresh products	kt	2	2	3	2	2	2
Condensed milk	kt	102	100	103	95	83	70
Other powders	kt	74	71	69	69	62	51
Imports							
Cheese	kt	51	49	50	61	64	70

a Includes the butter equivalent of butter oil, butter concentrate, ghee and dry butterfat production. **b** Includes mixed skim milk powder and buttermilk powder. **c** In natural equivalent weight. **p** Preliminary.

Sources: ABS, *Apparent Consumption of Foodstuffs, Australia*, cat. no. 4306.0, Canberra; ABS, *Apparent Consumption of Selected Foodstuffs, Australia*, cat. no. 4315.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Australian Dairy Corporation, *Dairy Compendium*, Melbourne; Australian Dairy Corporation, *Monthly Statistics*, Melbourne; Australian Dairy Corporation; ABARE.

Supply and use – selected foods

2.4 Supply and use of Australian meats

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08 p
Beef and veal							
Slaughtering a	'000	9 228	8 779	8 853	8 401	9 081	8 799
Production b	kt	2 073	2 033	2 162	2 077	2 226	2 155
Exports b	kt	1 336	1 277	1 404	1 316	1 438	1 368
Consumption bc	kt	724	741	739	743	772	772
Closing stocks b	kt	30	30	30	30	30	30
Mutton							
Slaughtering	'000	13 657	10 421	11 443	11 830	13 271	11 929
Production b	kt	268	220	237	244	271	258
Exports b	kt	198	157	175	185	204	200
Consumption bc	kt	54	48	52	54	53	50
Closing stocks b	kt	8	10	1	1	1	1
Lamb							
Slaughtering a	'000	16 870	16 562	17 331	18 666	20 158	20 899
Production b	kt	329	341	354	382	413	435
Exports b	kt	113	132	146	173	179	194
Consumption bc	kt	213	204	204	209	229	210
Closing stocks b	kt	5	5	5	5	5	5
Pig meat							
Slaughtering	'000	5 742	5 591	5 342	5 370	5 322	5 217
Production b	kt	420	406	389	389	382	377
Imports bd	kt	96	122	164	145	214	207
Exports bd	kt	95	77	67	67	63	59
Consumption bc	kt	420	450	485	467	533	525
Closing stocks – pork b	kt	10	10	10	10	10	10
Poultry meat e							
Slaughtering g	million	419	424	438	438	454	461
Production b	kt	726	732	792	817	855	840
Exports b	kt	30	27	26	27	34	37
Consumption c	kt	696	705	766	790	821	804

a Includes calves. b Carcass weight. c Apparent consumption. d Includes preserved pig meat. e Includes chicken, turkey and duck. g Number of chickens only. p Preliminary. na Not available.

Sources: ABS, *Apparent Consumption of Foodstuffs, Australia*, cat. no. 4306.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia*, Preliminary, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Sydney; ABARE.

2.5 Supply and use of selected Australian horticultural products

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08 p
Grapes and grape products							
Grape production							
Total	kt	1 579	2 115	2 133	2 102	1 575	1 957
Grape use							
Wine making	kt	1 411	1 917	1 925	1 902	1 397	1 837
Red grapes	kt	804	1 106	1 065	1 047	674	984
White grapes	kt	607	811	860	855	723	853
Drying and table	kt	167	198	208	200	177	120
Wine production							
Fortified wine	ML	18	20	20	13	8	15
Unfortified wine	ML	1 019	1 381	1 400	1 398	947	1 222
Total wine	ML	1 038	1 401	1 420	1 410	955	1 237
Domestic sales							
Table wine	ML	344	355	365	367	381	361
Red wine	ML	143	147	155	154	163	155
White wine	ML	202	208	209	213	219	206
Sparkling wine	ML	32	35	38	40	40	37
Fortified wine	ML	21	21	20	19	17	17
Other wine	ML	6	6	7	7	9	12
Total wine a	ML	402	417	430	432	447	426
Exports							
Table wine	ML	498	569	647	720	780	683
Red wine	ML	307	364	418	455	497	443
White wine	ML	191	205	229	265	283	240
Sparkling wine	ML	7	9	11	13	15	17
Fortified wine	ML	2	2	2	2	2	2
Other wine	ML	1	1	1	1	1	7
Total wine	ML	508	581	661	736	798	709
Imports							
Table wine	ML	12	12	15	20	25	43
Sparkling wine	ML	4	5	5	6	7	8
Fortified wine	ML	0	1	0	0	0	0
Other wine	ML	2	1	2	2	2	2
Total wine	ML	17	19	22	27	34	53
Dried vine fruit							
Production (dried weight)	kt	17	27	29	28	17	11
Exports	kt	10	7	7	7	7	5
Imports	kt	19	25	21	12	27	26
Table grapes							
Production	kt	75	69	73	82	79	64
Exports	kt	40	45	52	48	41	41

Continued

Supply and use – selected foods

2.5 Supply and use of selected Australian horticultural products *continued*

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08 p
Oranges and orange juice							
Navel oranges							
Production	kt	296	208	225	274	241	236
Fresh domestic consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	101	67	81	103	98	99
Valencia and other oranges							
Production	kt	337	199	228	297	270	200
Fresh consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	32	26	29	36	29	14
Total oranges							
Production	kt	599	395	498	507	471	409
Fresh consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	133	93	110	139	127	113
Imports	kt	9	13	13	12	10	16
Orange juice (equivalent tonnes of fresh oranges) b							
Production	kt	na	na	na	na	na	na
Exports of processed juice	kt	31	24	28	25	22	21
Imports of FCOJ	kt	39	35	63	35	40	39
Stocks of Australian FCOJ	kt	na	na	na	na	na	na
Apparent consumption	kt	na	na	na	na	na	na
Apples							
Production	kt	326	260	327	276	270	265
Fresh domestic consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	33	15	12	9	7	4
Tomatoes and tomato products							
Tomato production	kt	364	474	408	450	296	382
Tomato use							
Fresh domestic consumption	kt	na	na	na	na	na	na
Processed (raw material)	kt	na	na	na	na	na	na
Fresh exports	kt	3	4	4	4	4	5
Processed production	kt	na	na	na	na	na	na
Processed exports	kt	20	11	9	9	7	7
Processed imports	kt	19	27	27	26	34	49
Apparent processed consumption	kt	na	na	na	na	na	na

a Includes carbonated wine and vermouth. **b** 1 tonne fresh weight = 500 litres (single strength) orange juice. 1 tonne FCOJ = 13 Australian fresh fruit tonnes (approximately). **p** Preliminary. **na** Not available.

Note: FCOJ – Frozen concentrated orange juice.

Sources: ABS, *Australian Wine and Grape Industry*, cat. no. 1329.0, Canberra; ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; Shepherd, A, *Wine Grapes*, ABARE Research Report 99.15, Canberra; Australian Horticultural Corporation, *Australian Horticulture Statistics Handbook, 1999-2000*, Sydney; Australian Processing Tomato Industry Council, *Annual Industry Survey 1999*, Blackburn South, Victoria; Australian Citrus Industry Council Inc, *Annual Report 2001*; ABARE.

3.1 Employment in food and beverage manufacturing

	NSW	Vic.	Qld.	SA	WA	Tas.	NT	Australia
	no.	no.	no.	no.	no.	no.	no.	no.
2005-06								
Meat and meat products	13 925	8 600	15 675	3 000	3 425	850	100	45 675
Dairy products	1 125	9 825	2 250	425	875	675	na	15 275
Fruit and vegetable processing	2 700	5 700	1 175	1 300	425	1 275	100	12 675
Oil and fat	1 300	1 175	550	200	700	100	na	4 025
Flour mill and cereal food	2 150	3 875	350	550	575	100	na	7 600
Bakery products	10 425	9 950	7 350	2 575	3 200	1 100	100	35 050
Other food	5 900	7 100	5 425	1 575	1 525	1 325	na	22 850
Beverages and malt	6 725	6 875	1 925	7 175	3 000	600	100	26 600
Food, beverage and tobacco nec	5 800	3 050	1 500	500	1 025	300	100	12 375
Total food and beverage	50 050	56 150	36 200	17 300	14 750	6 325	500	182 125
2006-07								
Meat and meat products	14 675	12 275	16 350	2 450	4 875	550	100	51 375
Dairy products	1 475	9 650	1 925	350	925	1 250	na	15 675
Fruit and vegetable processing	1 875	3 875	1 600	700	300	950	100	9 400
Oil and fat	800	825	450	300	300	100	na	2 875
Flour mill and cereal food	2 550	3 050	425	375	275	100	na	6 775
Bakery products	9 700	10 150	8 325	2 775	3 650	1 275	150	36 250
Other food	7 200	9 250	5 550	2 825	1 375	1 400	na	27 800
Beverages and malt	3 525	7 675	3 025	7 225	2 350	575	100	24 675
Food, beverage and tobacco nec	6 975	6 250	1 925	750	650	250	100	17 000
Total food and beverage	48 775	63 000	39 575	17 750	14 700	6 450	550	191 825
2007-08								
Meat and meat products	15 275	11 750	14 575	4 300	5 075	900	100	52 075
Dairy products	3 475	10 800	2 500	450	1 375	1 250	na	19 950
Fruit and vegetable processing	2 775	2 875	1 475	1 075	175	1 325	100	9 800
Oil and fat	575	450	400	300	200	100	na	2 125
Flour mill and cereal food	2 875	1 900	575	475	200	100	na	6 125
Bakery products	10 550	11 850	8 325	3 250	4 925	1 025	325	40 525
Other food	8 225	8 300	6 975	2 750	1 550	1 650	na	29 550
Beverages and malt	4 975	5 700	3 350	7 825	3 125	325	na	25 500
Food, beverage and tobacco nec	9 400	7 000	2 200	500	725	200	150	20 275
Total food and beverage	58 125	60 625	40 375	20 925	17 350	6 875	675	205 925

na Not available.

Source: ABS, *Labour Force, Australia, Detailed - Electronic Delivery*, cat. no. 6291.0.55.001, Canberra; unpublished data ABS.

Australian food processing industry

3.2 Summary statistics for the Australian processed food industry

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c		Industry value added	
	2005-06 '000	2006-07 '000	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m
Meat								
Meat processing	31	31	1 141	1 358	11 491	12 221	1 649	1 973
Poultry processing	18	18	825	822	3 897	4 123	1 247	1 132
Bacon, ham and smallgoods	9	10	333	417	2 448	2 593	436	593
Total	57	59	2 299	2 597	17 836	18 937	3 332	3 698
Dairy								
Milk and cream processing	8	7	373	411	3 710	4 350	771	820
Ice cream	1	1	22	40	174	297	52	64
Other dairy products	10	10	626	640	6 107	6 866	1 061	1 076
Total	19	19	1 021	1 091	9 991	11 513	1 884	1 960
Fruit and vegetables	13	14	612	599	4 672	4 325	1 165	1 056
Oil and fat	2	2	102	119	1 547	1 794	238	264
Flour mill and cereal food								
Flour mill products	2	3	121	197	1 418	2 501	282	463
Cereal food and baking mixes	6	4	318	241	2 274	1 565	660	461
Total	8	8	439	438	3 692	4 066	942	924
Bakery products								
Bread - factory based	10	12	455	430	1 917	2 189	757	728
Cakes and pastry - factory based	8	9	251	304	1 134	1 288	372	399
Biscuits - factory based	5	5	219	227	954	987	419	424
Bakery products - non factory based	na	40	na	696	na	2 396	na	1 111
Total	23	65	925	1 657	4 005	6 860	1 548	2 662
Other food								
Sugar	5	5	261	277	2 359	2 811	518	496
Confectionery	10	12	649	743	4 097	4 570	1 494	1 529
Seafood	4	3	125	120	1 330	1 396	224	130
Prepared animal and bird feed	4	na	241	na	2 700	na	481	na
Food nec	20	21 ^d	841	1 001 ^d	5 854	8 536 ^d	1 474	1 737
Total	44	40	2 117	2 141	16 340	17 313	4 191	3 892
Total food manufacturing	164	207	7 515	8 642	58 083	64 808	13 300	14 456
Beverage and malt								
Soft drink, cordial and syrup	9	9	444	464	3 804	4 393	1 289	1 526
Beer and malt	4	4	314	261	3 845	3 891	1 544	1 495
Wine	16	18	751	803	5 640	6 297	1 362	1 512
Spirits	na	na	na	na	na	na	na	na
Total ^e	29	31	1 509	1 528	13 289	14 581	4 195	4 533
Total food and beverages ^e	193	238	9 024	10 170	71 372	79 389	17 495	18 989
Total manufacturing	1 064	1 014	51 007	50 228	357 462	377 930	100 980	98 997

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. ^d Includes prepared animal and bird feed. ^e Excludes spirits. **na** Not available

Sources: ABS, *Manufacturing Industry, Australia*, cat. no. 8221.0, Canberra; ABS unpublished data, Canberra.

3.3 Manufacturing industry, acquisition and disposal of assets

	Total acquisitions			Total disposals		
	2004-05	2005-06	2006-07	2004-05	2005-06	2006-07
	\$m	\$m	\$m	\$m	\$m	\$m
Meat						
Meat processing	250	270	159	11	39	24
Poultry processing	134	139	111	13	47	- 9
Bacon, ham and smallgoods	95	84	63	16	12	15
Total	480	493	333	40	98	30
Dairy						
Milk and cream processing	514	105	na	17	4	na
Ice cream	16	14	na	3	0	na
Other dairy products	155	183	119	16	6	13
Total	685	302	355	36	10	19
Fruit and vegetables	119	173	146	15	23	16
Oil and fat	28	79	102	1	6	8
Flour mill and cereal food						
Flour mill products	37	18	81	14	14	27
Cereal food and baking mixes	64	184	92	8	5	8
Total	102	202	173	21	18	35
Bakery products						
Bread	125	85	72	14	23	1
Cakes and pastry products	84	87	100	22	16	7
Biscuits	37	14	81	5	1	1
Total	246	185	253	40	40	9
Other food						
Sugar	169	122	130	6	21	11
Confectionery	191	153	138	19	23	22
Seafood	34	22	42	3	19	5
Prepared animal and bird feed	67	63	na	14	4	na
Food nec	217	180	243	46	20	0
Total	678	540	553	89	87	38
Beverage and malt						
Soft drink, cordial and syrup	203	13	272	13	21	22
Beer and malt	325	167	151	14	9	226
Wine	476	535	467	58	59	85
Spirits	na	na	na	na	na	na
Total a	1 004	715	890	85	89	333

a Excludes spirits. **na** not available.

Sources: ABS, *Manufacturing Industry*, cat. no. 8221.0, Canberra.

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3.4 New South Wales processed food industry, summary statistics

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
Meat						
Meat processing	7 194	7 307	290	297	2 718	2 402
Poultry processing	6 740	7 748	269	409	1 496	1 672
Bacon, ham and smallgoods	1 505	2 698	66	90	597	902
Total	15 439	17 753	624	797	4 811	4 975
Dairy						
Milk and cream processing	1 170	na	35	54	392	na
Ice cream	844	na	18	6	149	na
Other dairy products	1 361	2 195	84	131	1 296	1 402
Total	3 376	3 671	136	192	1 837	2 184
Fruit and vegetables	2 485	2 462	na	131	na	979
Oil and fat	532	648	54	35	605	872
Flour mill and cereal food						
Flour mill products	1 316	1 831	74	104	1 005	1 450
Cereal food and baking mixes	2 374	2 609	156	161	1 605	1 021
Total	3 690	4 440	230	266	2 611	2 471
Bakery products						
Bread - factory based	3 545	2 935	154	149	534	701
Cakes and pastry - factory based	2 586	na	75	na	281	na
Biscuits - factory based	891	na	102	na	301	na
Bakery products - non factory based	na	na	na	na	na	na
Total	7 022	13 937	331	520	1 115	2 113
Other food						
Sugar	533	na	23	na	654	na
Confectionery	1 513	na	52	na	318	na
Seafood	402	268	10	8	106	54
Prepared animal and bird feed	2 035	1 389	67	72	751	758
Food nec	5 047	5 806	404	332	2 693	1 982
Total	9 530	11 105	555	634	4 523	4 811
Total food manufacturing	42 074	54 016	na	2 575	na	18 405
Beverage and malt						
Soft drink, cordial and syrup	2 050	3 331	170	218	1 459	1 618
Beer and malt	883	766	na	66	na	na
Wine	2 002	3 861	171	182	1 291	1 556
Spirits	126	na	na	na	na	na
Total	5 061	7 958	428	466	4 292	na
Total food and beverages	47 135	61 974	2 564	3 041	21 170	na
Total manufacturing	291 930	291 283	14 227	14 712	93 896	111 442

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. **na** Not available.

Source: ABS, *Manufacturing Industry, NSW*, cat. no. 8221.1, Canberra; ABS, *Manufacturing Industry, Australia*, 2006-07 (Additional Datacube), cat. no. 82210DO010_200607, Canberra.

3.5 Victorian processed food industry, summary statistics

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
Meat						
Meat processing	4 576	4 649	177	204	1 844	1 974
Poultry processing	2 765	3 655	115	159	850	1 040
Bacon, ham and smallgoods	2 103	2 178	88	117	503	642
Total	9 444	10 482	380	479	3 198	3 656
Dairy						
Milk and cream processing	1 974	na	na	161	na	2 110
Ice cream	1 069	na	na	27	na	220
Other dairy products	5 724	6 161	334	396	4 123	4 425
Total	8 767	8 924	449	585	5 125	6 755
Fruit and vegetables	4 285	6 114	279	305	1 803	2 145
Oil and fat	407	885	na	62	na	714
Flour mill and cereal food						
Flour mill products	340	513	na	30	na	377
Cereal food and baking mixes	1 995	725	na	29	na	237
Total	2 335	1 238	68	58	513	614
Bakery products						
Bread - factory based	2 256	2 073	109	89	395	494
Cakes and pastry - factory based	3 322	na	55	na	260	na
Biscuits - factory based	1 728	na	59	na	389	na
Bakery products - non factory based	na	na	na	198	na	782
Total	7 306	11 620	223	404	1 044	1 979
Other food						
Sugar	na	na	na	na	na	na
Confectionery	3 433	na	171	na	1 025	na
Seafood	na	604	na	23	na	183
Prepared animal and bird feed	1 204	na	91	na	812	na
Food nec	4 377	5 305	270	294	2 204	2 656
Total	9 624	11 830	544	686	4 205	5 014
Total food manufacturing	42 168	51 093	na	2 579	na	20 877
Beverage and malt						
Soft drink, cordial and syrup	na	1 961	72	95	659	923
Beer and malt	597	na	102	na	718	na
Wine	2 136	2 764	114	137	1 236	1 863
Spirits	na	na	1	na	14	na
Total	4 089	na	290	na	2 627	na
Total food and beverages	46 257	na	2 368	na	19 688	na
Total manufacturing	292 050	293 188	13 759	15 422	88 041	104 568

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. **na** Not available.

Source: ABS, *Manufacturing Industry, Vic.*, cat. no. 8221.2, Canberra; ABS, *Manufacturing Industry, Australia*, 2006-07 (Additional Datacube), cat. no. 8221DO010_200607, Canberra.

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3.6 Queensland processed food industry, summary statistics

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
Meat						
Meat processing	10 476	11 752	372	498	4 128	4 571
Poultry processing	1 959	3 180	84	156	420	633
Bacon, ham and smallgoods	1 698	2 322	70	109	372	523
Total	14 134	17 255	525	763	4 919	5 726
Dairy						
Milk and cream processing	1 635	na	91	81	747	577
Ice cream	186	na	7	5	61	27
Other dairy products	407	472	6	31	147	515
Total	2 227	1 820	104	117	954	1 119
Fruit and vegetables	1 969	3 353	87	90	564	621
Oil and fat	269	245	na	13	na	82
Flour mill and cereal food						
Flour mill products	255	267	16	15	156	194
Cereal food and baking mixes	338	262	11	9	91	108
Total	593	529	27	23	247	303
Bakery products						
Bread - factory based	1 990	2 071	81	90	369	498
Cakes and pastry - factory based	1 611	na	na	na	na	na
Biscuits - factory based	1 343	na	na	na	na	na
Bakery products - non factory based	na	na	na	128	na	445
Total	4 944	9 378	155	338	742	1 376
Other food						
Sugar	4 911	4 192	213	222	1 676	na
Confectionery	106	927	9	74	36	na
Seafood	485	600	17	19	294	192
Prepared animal and bird feed	746	na	27	na	583	na
Food nec	2 686	3 695	132	146	994	1 473
Total	8 935	9 414	399	461	3 583	4 157
Total food manufacturing	33 071	41 994	na	1 805	na	13 384
Beverage and malt						
Soft drink, cordial and syrup	na	1 575	60	65	600	872
Beer and malt	614	na	na	na	na	na
Wine	50	576	na	22	na	438
Spirits	na	154	na	9	na	na
Total	2 029	na	132	na	1 371	na
Total food and beverages	35 100	na	1 454	na	12 763	na
Total manufacturing	142 095	199 577	6 303	9 185	49 274	70 257

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. **na** Not available.

Source: ABS, *Manufacturing Industry, Qld*, cat. no. 8221.3, Canberra; ABS, *Manufacturing Industry, Australia*, 2006-07 (Additional Datacube), cat. no. 8221DO010_200607, Canberra.

3.7 Western Australian processed food industry, summary statistics

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
Meat						
Meat processing	2 742	2 596	80	109	807	na
Poultry processing	878	1 351	na	68	na	na
Bacon, ham and smallgoods	557	1 041	na	50	na	309
Total	4 177	4 989	150	227	1 265	1 274
Dairy						
Milk and cream processing	na	na	na	na	na	na
Ice cream	368	na	na	na	na	6
Other dairy products	297	na	na	na	na	na
Total	na	1 166	64	na	538	282
Fruit and vegetables	558	400	12	na	90	na
Oil and fat	150	na	na	3	na	na
Flour mill and cereal food						
Flour mill products	230	na	8	na	86	197
Cereal food and baking mixes	na	na	na	na	na	96
Total	na	471	na	22	na	293
Bakery products						
Bread - factory based	na	1 070	na	45	na	191
Cakes and pastry - factory based	1 035	765	30	30	142	na
Biscuits - factory based	na	na	na	2	na	na
Bakery products - non factory based	na	na	na	55	na	246
Total	1 912	3 778	76	133	366	598
Other food						
Sugar	na	na	na	na	na	na
Confectionery	82	na	na	na	na	na
Seafood	1 183	722	33	29	466	386
Prepared animal and bird feed	489	na	16	na	278	na
Food nec	na	1 162	46	49	630	537
Total	3 228	na	104	na	1 425	1 323
Total food manufacturing	na	13 154	na	540	na	3 920
Beverage and malt						
Soft drink, cordial and syrup	515	995	36	38	338	521
Beer and malt	267	544	26	25	336	439
Wine	1 058	1 993	na	74	na	468
Spirits	na	na	na	na	na	na
Total	1 840	na	116	na	1 021	na
Total food and beverages	13 558	na	545	na	5 028	na
Total manufacturing	73 249	97 684	3 566	4 837	29 269	52 220

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. **na** Not available.

Source: ABS, *Manufacturing Industry, WA*, cat. no. 8221.5, Canberra; ABS, *Manufacturing Industry, Australia*, 2006-07 (Additional Datacube), cat. no. 82210DO010_200607, Canberra.

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3.8 South Australian processed food industry, summary statistics

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
Meat						
Meat processing	1 729	2 780	81	na	780	1 091
Poultry processing	719	1 299	na	na	na	273
Bacon, ham and smallgoods	731	540	na	19	na	55
Total	3 178	4 619	142	199	1 233	1 420
Dairy						
Milk and cream processing	449	na	na	na	na	na
Ice cream	36	na	na	2	na	13
Other dairy products	323	na	na	na	na	na
Total	808	1 071	39	61	443	492
Fruit and vegetables	1 024	591	28	28	166	182
Oil and fat	45	75	2	2	81	34
Flour mill and cereal food						
Flour mill products	na	145	5	9	84	na
Cereal food and baking mixes	na	664	19	26	88	na
Total	685	809	24	35	172	241
Bakery products						
Bread - factory based	1 038	na	47	35	166	161
Cakes and pastry - factory based	na	845	na	na	na	na
Biscuits - factory based	na	na	na	na	na	na
Bakery products - non factory based	na	na	na	48	na	166
Total	2 627	3 747	89	131	340	491
Other food						
Sugar	na	na	na	na	na	na
Confectionery	393	na	na	na	na	na
Seafood	658	627	20	23	356	306
Prepared animal and bird feed	308	na	na	na	na	na
Food nec	878	1 214	36	51	328	553
Total	2 237	2 414	78	105	924	1 052
Total food manufacturing	10 604	13 326	402	561	3 360	3 912
Beverage and malt						
Soft drink, cordial and syrup	na	850	40	33	282	433
Beer and malt	235	na	22	na	333	325
Wine	3 875	6 377	273	349	2 012	1 833
Spirits	na	na	na	na	na	na
Total	4 724	na	na	na	na	na
Total food and beverages	15 328	na	743	na	6 074	na
Total manufacturing	83 995	99 051	3 663	4 590	25 809	28 586

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. **na** Not available.

Source: ABS, *Manufacturing Industry, SA*, cat. no. 8221.4, Canberra; ABS, *Manufacturing Industry, Australia*, 2006-07 (Additional Datacube), cat. no. 82210DO010_200607, Canberra.

3.9 Tasmanian processed food industry, summary statistics

	Employment at 30 June ^a		Wages and salaries ^b		Sales and service income ^c	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
Meat						
Meat processing	950	252	na	na	na	na
Poultry processing	na	na	na	na	na	na
Bacon, ham and smallgoods	163	na	4	na	24	na
Total	na	551	29	na	211	na
Dairy						
Milk and cream processing	201	na	na	na	na	na
Ice cream	2	na	na	na	na	na
Other dairy products	503	na	27	na	62	30
Total	706	892	na	46	na	na
Fruit and vegetables	934	1 331	na	59	na	527
Oil and fat	5	15	na	na	na	na
Flour mill and cereal food						
Flour mill products	na	na	na	na	na	na
Cereal food and baking mixes	na	na	na	na	na	na
Total	na	na	na	na	na	na
Bakery products						
Bread - factory based	na	309	11	9	39	na
Cakes and pastry - factory based	na	na	na	2	na	na
Biscuits - factory based	na	na	na	na	na	na
Bakery products - non factory based	na	na	na	26	na	75
Total	426	1 220	14	37	54	128
Other food						
Sugar	699	na	na	na	na	na
Confectionery	1 100	na	na	na	na	na
Seafood	na	na	24	na	178	na
Prepared animal and bird feed	61	na	na	na	na	na
Food nec	32	na	2	na	25	113
Total	1 892	na	59	na	499	na
Total food manufacturing	na	5 391	na	237	na	1 516
Beverage and malt						
Soft drink, cordial and syrup	48	128	na	5	na	32
Beer and malt	169	na	na	na	na	na
Wine	52	352	3	7	11	26
Spirits	11	33	na	na	na	5
Total	280	na	24	na	135	na
Total food and beverages	5 505	na	207	na	1 496	na
Total manufacturing	20 181	23 696	816	997	5 464	6 931

^a Includes working proprietors. ^b Excludes drawings of working proprietors. ^c Previously turnover. **na** Not available.

Source: ABS, *Manufacturing Industry, Tas*, cat. no. 8221.6, Canberra; ABS, *Manufacturing Industry, Australia*, 2006-07 (Additional Datacube), cat. no. 82210DO010_200607, Canberra.

Australian food processing industry

3.10 Expenditure on research and development for the Australian processed food industry

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Meat & meat product processing							
Capital expenditure	0.83	2.65	2.84	4.12	4.61	4.61	4.37
Current expenditure	30.48	40.35	31.71	31.19	26.60	24.85	42.27
Total	31.31	43.00	34.55	35.31	31.21	29.46	46.64
Dairy product processing							
Capital expenditure	6.15	3.49	0.55	2.18	4.50	1.98	1.91
Current expenditure	43.10	38.28	29.05	27.60	44.08	58.69	81.64
Total	49.25	41.77	29.60	29.78	48.58	60.67	83.55
Fruit & vegetable processing							
Capital expenditure	1.65	0.91	0.53	1.10	0.94	0.73	1.11
Current expenditure	16.13	25.75	29.32	23.38	32.84	27.74	31.25
Total	17.78	26.65	29.84	24.48	33.79	28.48	32.36
Oil & fat							
Capital expenditure	na	na	1.75	na	na	na	na
Current expenditure	na	na	na	2.06	na	3.28	1.61
Total	na	na	na	na	5.59	na	na
Flour mill & cereal food							
Capital expenditure	5.86	na	na	3.45	3.11	2.13	na
Current expenditure	27.91	na	na	25.40	41.54	44.84	na
Total	33.77	22.34	13.98	28.85	44.64	46.97	46.83
Bakery products							
Capital expenditure	0.06	na	na	na	na	na	na
Current expenditure	8.59	na	na	na	42.64	na	na
Total	8.64	13.64	30.54	na	na	42.91	45.93
Other food							
Capital expenditure	8.04	7.62	7.90	10.72	10.42	4.73	3.89
Current expenditure	37.24	46.03	54.88	78.24	63.84	86.22	76.86
Total	45.28	53.65	62.77	88.96	74.26	90.95	80.75
Beverage and malt							
Capital expenditure	4.89	4.15	3.06	5.87	1.89	3.42	na
Current expenditure	10.05	24.83	19.85	21.45	41.49	20.09	na
Total	14.94	28.97	22.91	27.32	43.38	23.51	43.35
Total manufacturing							
Capital expenditure	194.45	220.68	211.46	246.72	249.81	284.64	266.31
Current expenditure	2 061.05	2 316.22	2 697.04	3 128.62	3 222.41	3 433.10	3 513.93
Total	2 255.50	2 536.90	2 908.50	3 375.34	3 472.22	3 717.74	3 780.24

na Not available.

Sources: ABS unpublished data, Canberra.

4.1 Retail food turnover, by state and category

	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
New South Wales				
Supermarkets and grocery stores	17 943	18 745	19 761	21 483
Takeaway food outlets	3 112	3 379	3 336	3 616
Liquor retailing	1 831	2 136	2 355	2 541
Cafes and restaurants	3 920	4 179	5 180	4 945
Other food retailing	3 522	3 905	4 243	3 783
Victoria				
Supermarkets and grocery stores	14 750	15 574	16 669	17 214
Takeaway food outlets	1 928	2 139	2 277	2 419
Liquor retailing	1 092	1 199	1 253	1 274
Cafes and restaurants	3 136	3 161	3 460	2 456
Other food retailing	2 284	2 418	2 658	3 170
Queensland				
Supermarkets and grocery stores	11 072	11 817	12 624	14 234
Takeaway food outlets	2 300	2 189	2 236	2 253
Liquor retailing	1 020	1 057	1 618	1 813
Cafes and restaurants	2 934	3 241	3 328	3 637
Other food retailing	1 315	1 297	1 542	1 807
Western Australia				
Supermarkets and grocery stores	5 819	6 168	6 602	7 290
Takeaway food outlets	909	922	1 101	1 275
Liquor retailing	726	839	886	889
Cafes and restaurants	1 466	1 583	1 842	1 943
Other food retailing	784	1 028	961	958
South Australia				
Supermarkets and grocery stores	4 466	4 319	4 629	5 146
Takeaway food outlets	573	632	670	648
Liquor retailing	297	284	335	398
Cafes and restaurants	681	778	781	980
Other food retailing	764	670	797	869
Tasmania				
Supermarkets and grocery stores	1 318	1 350	1 396	1 514
Takeaway food outlets	178	187	209	254
Liquor retailing	na	na	na	na
Cafes and restaurants	168	189	165	201
Other food retailing	na	na	na	na

Continued

Retail sector

4.1 Retail food turnover, by state and category *continued*

	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m
Australian Capital Territory				
Supermarkets and grocery stores	1 191	1 282	1 287	1 343
Takeaway food outlets	157	156	171	213
Liquor retailing	na	na	na	na
Cafes and restaurants	239	184	271	348
Other food retailing	na	na	na	na
Northern Territory				
Supermarkets and grocery stores	747	752	864	960
Takeaway food outlets	104	96	107	99
Liquor retailing	na	na	na	na
Cafes and restaurants	142	153	157	139
Other food retailing	na	na	na	na
Australia				
Supermarkets and grocery stores	57 307	60 006	63 832	69 184
Takeaway food outlets	9 259	9 700	10 108	10 778
Liquor retailing	5 157	5 727	6 680	7 167
Cafes and restaurants	12 686	13 469	15 185	14 649
Other food retailing	8 991	9 735	10 636	11 103
Total food and liquor retailing	93 400	98 636	106 440	112 880
Total retailing	202 339	211 219	202 891	216 952

na Not available.

Sources: ABS, *Retail Trade*, cat. no. 8501.0, Canberra.

4.2 Consumer price index for food groups ^a

	2003-04	2004-05	2005-06	2006-07	2007-08
Food	152	155	162	172	178
Dairy and related products	159	165	172	180	196
Milk and cream	174	180	188	195	214
Cheese	133	141	151	159	179
Ice cream and other dairy products	158	158	163	169	176
Cereal products	163	163	170	179	191
Bread	184	182	194	209	226
Cakes and biscuits	152	153	159	166	176
Breakfast cereals	141	140	147	150	155
Other cereal products	141	141	142	146	156
Meat and seafoods	141	143	146	149	154
Beef and veal	148	154	163	163	165
Lamb and mutton	199	204	212	213	217
Pork	148	154	166	171	175
Poultry	103	103	97	96	105
Bacon and ham	136	134	136	142	142
Processed meat	150	152	154	160	164
Fish and other seafood	124	124	128	134	141
Fresh fruit and vegetables	144	141	158	188	176
Fresh fruit	157	161	179	239	193
Fresh vegetables	136	129	145	153	166
Non-alcoholic drinks and snack food	152	158	164	173	181
Soft drinks, waters and juices	136	141	146	156	164
Snacks and confectionery	174	179	188	195	203
Other food	144	144	149	157	163
Eggs	180	175	177	195	206
Jams, honey and sandwich spreads	177	178	184	192	198
Tea, coffee and food drinks	136	133	139	147	151
Food additives and condiments	130	129	131	138	142
Fats and oils	138	144	152	168	177
Food nec	142	144	148	154	159
Meals out and take away foods	158	163	169	175	183
Restaurant meals	161	167	174	179	186
Take away and fast foods	158	162	167	173	182

^a Weighted average, capital cities, base year 1989-90 = 100.

Source: ABS, Consumer Price Index, cat. no. 6401.0, Canberra

Retail sector

4.3 Average retail prices of selected foods ^a

	Unit	2003-04 cents	2004-05 cents	2005-06 cents	2006-07 cents	2007-08 cents
Dairy products						
Milk, fresh	L	158	142	152	159	175
Cheese	500gm	381	412	430	465	477
Butter	500gm	238	268	310	332	348
Grain products						
Bread	650gm	253	250	278	306	333
Breakfast foods	550gm	328	336	345	348	372
Flour	kg	179	180	182	199	186
Rice	kg	201	202	200	209	207
Meat and seafood						
Beef	kg	1 394	1 449	1 540	1 538	1 555
Lamb	kg	1 143	1 170	1 216	1 220	1 241
Pig meat	kg	1 030	1 071	1 158	1 187	1 220
Chicken	kg	387	396	368	367	511
Seafood	210gm	247	254	250	250	258
Fruit and vegetables						
Oranges	kg	267	255	240	297	296
Banana	kg	214	248	419	748	336
Potatoes	kg	177	161	190	207	219
Tomatoes	kg	362	336	387	390	431
Carrots	kg	179	185	192	192	215
Onions	kg	224	212	239	239	250
Processed fruit						
Jam, strawberry	500gm	281	266	287	310	313
Other food						
Sugar	2kg	214	205	201	228	242
Tea	250gm	368	358	367	382	379
Coffee	150gm	543	577	615	692	738
Eggs	dozen	323	317	318	409	436
Margarine	500gm	234	242	255	279	285
Milk chocolate	250gm	336	344	362	394	401
Alcohol and beverages						
Beer, bottled, low alcohol ^b	24x375mL	2 450	2 465	2 580	2 723	3 893
Scotch	30mL	398	422	448	481	506

^a The weighted average over 8 capital cities. ^b Full strength after 2003-04.

Source: ABS, *Average Retail Prices of Selected Items*, cat. no. 6403.0, Canberra; ABARE.

4.4 Apparent consumption of selected foods Australia

		Average for 3 years ended					
		1948-49	1958-59	1968-69	1978-79	1988-89	1998-99
Meat and meat products							
Beef and veal	kg	49.5	56.2	40.0	64.8	40.0	38.0
Lamb	kg	11.4	13.3	20.5	14.4	14.9	11.3
Mutton	kg	20.5	23.1	18.8	3.6	7.3	5.4
Pigmeat	kg	3.2	4.6	6.7	13.3	17.5	18.4
Total meat	kg	84.6	97.2	85.9	96.1	79.8	73.0
Canned meat (canned weight)	kg	1.2	1.9	2.2	1.6	na	1.2
Bacon and ham (cured carcass weight)	kg	5.3	3.2	3.6	6.0	6.9	8.7
Total meat and meat products	kg	91.1	102.3	91.7	103.7	na	82.9
Poultry							
Poultry (dressed weight)	kg	na	na	8.3	17.1	24.1	29.4
Seafood a							
Fish (edible weight)							
Australian	kg	1.5	1.8	1.8	2.1	3.1	3.8
Imported	kg	2.1	2.1	2.7	3.0	3.6	4.2
Crustaceans and molluscs	kg	0.5	0.6	1.1	1.3	1.6	2.8
Total	kg	4.1	4.5	5.6	6.4	8.3	10.8
Dairy products							
Condensed, concentrated and evaporated milk							
Full cream							
Sweetened	kg	1.6	1.2	1.1	0.8	na	na
Unsweetened b	kg	1.8	2.9	3.5	2.5	na	na
Total	kg	3.4	4.1	4.6	3.3	2.2	0.5
Skim milk	kg	na	0.6	0.7	1.6	1.2	0.7
Powdered milk							
Full cream	kg	1.5	1.1	0.8	1.3	0.9	1.0
Skim	kg	0.3	1.1	4.3	2.7	2.8	2.0
Infants' and invalids' food	kg	0.6	1.0	1.3	1.2	1.2	na
Cheese c	kg	2.5	2.6	3.5	5.3	8.8	10.7
Market milk (fluid) d	L	138.7	128.7	128.2	100.5	101.7	103.2
Total e	kg	22.3	22.1	25.4	22.1	23.8	23.6
Fruit and fruit products							
Fresh fruit (incl. fruit for fruit juice)							
Citrus	kg	16.9	16.1	22.5	34.5	39.1	49.2
Other	kg	39.5	35.6	40.8	34.6	49.9	54.8
Jams, preserves etc. (product weight)	kg	5.6	3.9	3.3	2.0	2.1	2.0
Dried fruit (product weight)	kg	3.9	2.8	2.5	2.0	2.4	2.9
Processed fruit (product weight)	kg	3.4	6.0	9.9	10.5	8.4	7.1
Total (fresh fruit equivalent)	kg	80.9	72.2	86.5	91.0	111.6	127.1
Vegetables							
Potatoes	kg	56.3	51.7	53.7	50.1	61.5	69.5
Other root and bulb vegetables f	kg	19.1	15.9	17.1	16.7	19.3	24.0
Tomatoes	kg	11.5	13.0	14.2	13.6	19.3	23.9
Leafy and green vegetables	kg	20.5	17.9	21.3	24.3	23.8	20.6
Other vegetables	kg	22.3	18.6	18.1	17.9	24.2	24.1
Total (fresh equivalent weight)	kg	129.7	117.1	124.3	122.5	148.1	162.1
Eggs and egg products							
Total g	doz.	12.7	10.2	12.6	12.4	12.2	11.4
Equivalent number of eggs g	no.	255.0	206.0	222.0	220.0	146.0	136.8

Continued

Retail sector

4.4 Apparent consumption of selected foods Australia *continued*

		Average for 3 years ended					
		1948-49	1958-59	1968-69	1978-79	1988-89	1998-99
Grain products							
Wheaten flour h	kg	91.6	82.3	77.4	69.6	72.6	68.4
Breakfast foods	kg	6.1	6.2	6.8	7.8	9.7	7.4
Table rice	kg	0.4	na	1.9	2.4	4.2	7.2
Bread	kg	64.0	69.1	59.5	47.7	44.4	53.3
Total grain products	kg	162.1	na	145.6	127.5	130.9	136.3
Nuts (in shell)							
Peanuts	kg	4.2	3.1	2.8	2.1	2.3	2.2
Tree nuts	kg	1.8	3.4	5.8	2.9	3.8	4.9
Total nuts	kg	6.0	6.5	8.6	5.0	6.1	7.1
Oils and fats							
Butter i	kg	11.2	12.3	9.8	5.1	3.2	2.8
Margarine							
Table	kg	0.4	na	1.5	5.4	6.8	4.5
Other	kg	2.4	2.2	3.4	3.1	2.2	2.0
Total (fat content) j	kg	14.0	na	14.3	21.6	20.4	18.5
Sugars							
Cane sugar							
As refined sugar	kg	31.2	27.0	21.0	14.9	8.8	na
In manufactured foods	kg	23.1	23.6	27.7	34.6	33.9	na
Total	kg	54.3	50.6	48.7	49.5	42.7	na
Total sugars k	kg	56.8	53.0	51.9	54.5	48.3	45.2
Beverages							
Tea	kg	2.9	2.7	2.3	1.7	1.2	0.8
Coffee l	kg	0.5	0.6	1.2	1.6	2.0	2.2
Aerated/carbonated waters m	L	na	na	47.3	67.4	87.4	112.1
Beer	L	76.8	99.7	113.5	133.2	113.1	94.4
Wine	L	5.9	5.0	8.2	14.7	20.2	19.5
Alcohol content n							
Beer	L al	3.6	4.8	5.5	6.4	5.1	4.1
Wine	L al	0.8	0.9	1.2	2.0	2.4	2.2
Spirits	L al	0.8	0.7	0.9	1.2	1.2	1.2
Total	L al	5.2	6.4	7.5	9.6	8.7	7.6

a Comprises fresh, frozen and otherwise prepared seafood. **b** Included in 'Ice-cream mix' prior to 1972-73. **c** Combined product and natural weight equivalent weights prior to 1971-72. **d** Prior to 1978-79 known as fluid whole milk. **e** Includes an allowance for estimated cream consumption. Excludes infants and invalids food after 1993-94. **f** Sweet potatoes included with 'Other root and bulb vegetables' since 1968-69; formerly included with 'Other vegetables'. **g** Data from 1988-89 onwards includes an estimate for home production of eggs. **h** Includes flour for breadmaking. From 1994-95 data excludes flour used in production of starch and gluten. **i** Includes butter equivalent of butter oil, butter concentrate and ghee. **j** Includes an estimate for vegetable oils and other fats. Prior to 1975-76 this was estimated at 2 kg, from 1975-76 onwards estimated at 10 kg. **k** Includes sugar content of syrups, honey and glucose. **l** Coffee and coffee products in terms of roasted coffee. **m** Includes bulk pre-mix and post-mix concentrates in terms of drink equivalent. **n** From 1984-85, data for beer have been compiled on the basis of excise data. Prior to this the alcohol content of beer was calculated using 2.4 per cent by volume for low alcohol beer and 4.8 per cent for other beer. **na** Not available.

Source: ABS 2000, *Apparent Consumption of Foodstuffs, 1997-98 and 1998-99*, cat. no. 4306.0, Canberra.

4.5 Average weekly household expenditure on food and beverages

	1975-76	1988-89	1998-99	2003-04
	\$	\$	\$	\$
Bread, cakes and cereals	3.83	10.88	15.14	16.06
Bread	1.80	4.60	5.51	5.91
Flour	0.10	0.23	0.22	0.20
Cakes, biscuits, etc	1.42	3.93	5.99	6.42
Breakfast and other cereals	0.52	2.11	3.43	3.53
Meat and seafoods	8.06	18.68	18.75	23.87
Beef and veal	3.13	4.38	3.59	4.13
Lamb and mutton	1.16	2.32	1.63	2.10
Pork	0.31	0.90	0.94	1.11
Poultry and game	0.85	2.34	2.89	3.96
Processed meat etc	2.04	6.64	6.75	8.72
Fish and other seafood	0.57	2.10	2.95	3.85
Dairy products	3.69	7.68	10.50	11.26
Fresh milk and cream	2.32	4.63	5.89	5.64
Cheese	0.56	1.84	2.53	3.05
Butter	0.51	0.45	0.38	0.43
Other dairy products	0.30	0.76	1.70	2.14
Edible oils and fats	0.70	1.30	1.31	1.39
Margarine	0.37	0.83	0.70	0.66
Edible oils and fats nec	0.33	0.47	0.61	0.73
Fruit and vegetables	4.45	13.15	16.52	20.38
Fresh fruit	1.36	4.58	6.05	7.55
Other frozen and processed fruit	0.24	0.45	0.60	0.75
Dried fruit and nuts	0.31	0.88	1.16	1.47
Potatoes	0.47	1.23	1.17	1.23
Other fresh vegetables	1.40	4.50	5.65	7.11
Other frozen and processed vegetables	0.67	1.51	1.89	2.27
Non-alcoholic drinks and snack food	3.34	12.30	17.43	18.72
Soft drinks, cordials, aerated waters etc	1.46	5.03	6.97	6.45
Fruit and vegetable juices	0.37	1.95	2.36	2.57
Snacks and confectionery	1.51	5.32	8.10	9.70
Other food	3.45	8.33	13.78	19.09
Eggs	0.73	0.85	0.88	1.06
Sugar	0.25	0.42	0.39	0.33
Syrups, honey, jams, jellies etc	0.35	0.51	0.77	0.95
Tea, coffee and food drinks	0.60	2.39	3.31	3.51
Food nec	1.52	4.16	8.43	13.24
Alcoholic drinks	6.54	16.91	20.44	23.32
Beer	4.36	9.74	9.28	9.25
Wine	0.94	3.07	5.29	6.33
Spirits and other drinks	1.24	4.10	5.87	7.74
Meals out and take away foods	6.10	23.47	33.55	42.10
Total food and beverage expenditure	40.18	112.73	147.42	176.19
Total household expenditure	172.35	502.71	698.97	883.45

Source: ABS, Household expenditure survey, Australia, electronic data service, cat. no. 6535.0.55.001, Canberra

Australian food exports

5.1 Australian food exports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	754	938	1 001	602	594	668	752	761
Fish or shellfish	772	868	773	677	584	657	632	647
Horticulture								
Vegetables	201	218	200	161	155	149	147	137
Fruit and nuts	477	562	533	407	462	482	451	433
Total	678	780	732	568	617	631	598	571
Grains a	5 294	5 854	3 873	4 655	4 672	4 305	3 329	4 221
Oilseeds	722	752	401	550	492	412	167	346
Food nec	81	61	73	46	46	49	54	41
Substantially and elaborately transformed								
Meat								
Meat processing	5 770	6 215	5 626	5 723	6 902	6 673	7 048	6 506
Poultry processing	26	26	22	20	20	21	26	32
Bacon, ham and smallgoods	66	80	83	84	107	91	43	33
Total	5 862	6 322	5 730	5 827	7 029	6 785	7 117	6 571
Seafood	981	852	753	660	689	606	548	440
Dairy								
Milk and cream processing	1 555	1 651	1 181	1 076	1 108	1 210	1 089	1 258
Ice cream	34	32	29	35	42	41	42	37
Other dairy products	1 487	1 594	1 286	1 176	1 335	1 318	1 307	1 467
Total	3 076	3 277	2 496	2 288	2 485	2 569	2 438	2 763
Fruit and vegetables	572	662	535	518	511	555	574	568
Oil and fat	129	150	146	147	151	150	169	239
Flour mill and cereal food								
Flour mill products	207	233	214	202	223	230	269	315
Cereal food and baking mix	546	402	261	222	219	248	372	287
Total	753	636	474	424	441	478	642	602
Bakery products								
Bread, cake and pastry	15	14	19	18	18	26	27	26
Biscuit	73	93	97	106	114	107	111	118
Total	88	106	116	123	132	132	137	144
Other food								
Sugar a	1 192	1 446	1 238	1 000	1 169	1 645	1 551	1 035
Confectionery	265	289	295	271	259	208	215	237
Food nec	1 114	1 249	1 075	1 129	1 080	1 099	1 142	1 094
Total	2 571	2 984	2 608	2 400	2 509	2 952	2 907	2 366
Beverage and malt								
Soft drink, cordial and syrup	45	42	48	53	46	42	39	38
Beer and malt	267	317	324	282	241	218	273	335
Wine	1 756	2 109	2 428	2 497	2 721	2 768	2 894	2 700
Spirit	115	120	106	84	92	91	89	86
Total	2 183	2 588	2 905	2 915	3 100	3 120	3 294	3 159
Total food and beverage								
Minimally transformed	8 302	9 253	6 852	7 099	7 006	6 722	5 532	6 586
Substantially transformed	15 913	17 237	15 398	14 956	16 706	17 062	17 530	16 528
Elaborately transformed	304	340	365	347	341	286	297	324
Total	24 518	26 829	22 614	22 402	24 053	24 070	23 359	23 439

a Includes ABARE estimates where ABS confidentiality restrictions apply.
Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

5.2 Australian grain exports, by level of transformation

	2000-01 \$m	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Minimally transformed								
Cereals								
Barley, feed	409	585	233	627	667	563	242	778
Barley, malting	467	432	457	371	378	342	334	397
Maize	15	14	13	6	6	4	4	5
Oats	22	37	44	38	36	47	20	37
Rice, husked (paddy)	8	29	9	0	0	0	0	0
Sorghum	59	109	17	61	96	33	13	76
Wheat	4 135	4 527	3 036	3 399	3 396	3 212	2 673	2 886
Other ^a	179	121	63	152	94	105	44	42
Total	5 294	5 854	3 873	4 655	4 672	4 305	3 329	4 221
Oilseeds								
Canola	544	572	289	453	397	331	108	303
Cottonseed	138	148	82	62	55	53	31	8
Sunflowerseed	11	2	7	4	6	9	10	12
Other	28	28	22	31	35	19	18	23
Total	721	752	400	550	492	411	167	346
Other	168	111	58	148	90	102	42	36
Substantially and elaborately transformed								
Milled								
Barley, maize, oats	15	21	23	26	28	34	47	54
Rice	357	253	102	64	52	92	226	85
Wheat	15	16	15	12	13	8	7	10
Other	1	2	1	1	1	9	23	12
Total	388	291	140	103	94	142	302	161
Flour								
Rice	5	4	3	4	3	2	2	2
Wheat	62	84	73	76	93	83	93	104
Other	1	1	1	2	3	2	1	1
Total	69	90	77	82	99	88	96	107
Oil								
Canola	18	25	30	41	41	29	33	78
Cottonseed	1	2	1	1	0	1	1	1
Sunflowerseed	10	11	9	2	5	11	8	3
Other	72	75	71	62	63	62	66	70
Total	101	113	109	105	109	101	107	152
Cereal starches								
Wheat	105	104	97	78	80	89	95	132
Rice	1	1	2	3	2	2	2	1
Other	0	0	0	0	0	1	0	0
Total	107	105	99	82	82	92	97	133
Malt	217	254	256	233	223	201	254	317
Preparations of cereals								
Biscuits	73	93	97	106	114	107	111	118
Breads and cakes	15	8	3	4	5	9	10	10
Pasta	34	34	40	36	40	42	43	43
Other	155	113	112	118	123	110	98	124
Total	278	247	252	263	281	268	262	296
Total grains								
Minimally transformed	6 184	6 717	4 331	5 353	5 255	4 818	3 538	4 603
Substantially transformed	1 084	1 040	898	827	831	842	1 067	1 110
Elaborately transformed	76	60	34	42	56	50	52	54
Total	7 344	7 818	5 263	6 221	6 142	5 710	4 657	5 768

^a Includes ABARE estimates where ABS confidentiality restrictions apply.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

Australian food exports

5.3 Australian meat and livestock exports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Live animals a								
Cattle	482	526	569	318	374	358	437	451
Sheep	258	392	408	266	207	291	289	286
Other	14	20	23	18	13	19	26	24
Total live animal exports	754	938	1 001	602	594	668	752	761
Meat and meat products								
Beef and veal b								
Fresh, chilled or frozen								
Carcasses	14	11	5	4	4	4	6	5
Hindquarters and forequarters								
Bone-in	47	20	21	10	10	10	20	11
Boneless	461	461	337	253	300	235	292	283
Cuts								
Bone-in	80	94	108	103	160	198	208	205
Boneless	3 525	3 746	3 436	3 557	4 405	4 092	4 368	3 909
Other products c	272	230	200	303	460	468	448	416
Beef and veal products, otherwise prepared or preserved d	55	55	57	83	82	85	71	56
Total beef and veal	4 454	4 617	4 164	4 313	5 422	5 092	5 413	4 886
Sheep meat								
Fresh, chilled or frozen								
Carcasses	97	106	102	81	89	98	107	101
Cuts								
Bone-in	593	727	625	682	732	792	798	824
Boneless	261	306	298	283	296	334	347	353
Other products c	51	46	43	48	44	46	44	46
Sheep meat products, otherwise prepared or preserved d	3	5	3	3	2	3	3	2
Total sheep meat	1 006	1 190	1 070	1 097	1 164	1 272	1 298	1 327
Pig meat								
Fresh, chilled or frozen								
Carcasses	93	123	115	84	70	68	73	63
Hams, shoulders and cuts	5	8	7	9	11	12	11	15
Other pig meat nec	88	134	135	88	69	62	58	51
Other products c	5	5	6	7	8	11	10	9
Pig meat products, otherwise prepared or preserved d	2	1	2	2	3	2	3	4
Total pig meat	192	271	264	190	161	156	155	141
Poultry meat e	26	26	22	20	20	21	26	32
Bacon, ham and smallgoods	66	80	83	84	107	91	43	33
Other meat								
Fresh, chilled or frozen								
Goat meat	39	46	47	49	71	82	77	55
Horse, ass, mule and hinny meat	17	19	14	11	9	9	10	8
Kangaroo meat	17	30	27	26	25	34	44	39
Other meat and meat products c	33	26	26	23	29	18	22	18
Other meat products, otherwise prepared or preserved d	12	15	14	14	21	11	30	33
Total other meat	118	136	128	123	155	153	182	152
Total meat and meat product exports	5 862	6 322	5 730	5 827	7 029	6 785	7 117	6 571

a Excludes animals for breeding. b Includes buffalo meat. c Includes edible offal, tongues, livers or tripe. d Includes meat and animal products either salted, in brine, dried, smoked, canned or bottled. e Includes meat and other food products from fowls, turkeys, ducks, geese, guinea fowls and other poultry.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

5.4 Australian dairy exports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Butter and butterfat ^a	291	297	224	183	188	225	179	195
Cheese								
Unprocessed cheddar	328	301	250	253	263	226	200	275
Processed cheddar	227	168	143	124	171	167	164	147
Unprocessed other	236	259	185	165	220	223	208	231
Processed other	56	112	93	63	58	75	69	57
Fresh, unripened or uncured ^b	87	179	116	122	154	135	169	234
Grated or powdered cheese	17	16	13	11	10	11	15	23
Total cheese	951	1 035	800	739	877	837	824	968
Wholemilk powder	580	571	380	322	324	334	275	392
Skim milk powder	694	698	408	388	420	529	505	533
Casein	100	123	128	123	116	89	113	125
Other products								
Fresh milk	82	98	98	104	109	107	96	84
Ice cream	34	32	29	35	42	41	42	37
Other fresh products	13	8	6	10	9	6	12	12
Condensed milk	111	124	133	121	140	148	157	152
Other powders	228	277	274	257	248	241	211	247
Lactose	9	6	6	7	10	8	13	13
Yoghurt	8	8	9	9	8	10	10	12
Other dairy products	4	3	2	1	2	0	5	6
Total	3 107	3 281	2 499	2 298	2 494	2 574	2 443	2 777

^a Includes the butter equivalent of butter oil, butter concentrate, ghee and dry butterfat production. ^b Includes blue veined cheese.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

5.5 Australian seafood exports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Fish								
Minimally transformed								
Live	42	47	47	39	35	40	41	43
Fresh or chilled								
Tuna ^a	148	165	107	125	67	68	46	44
Salmon	12	14	7	2	8	5	10	16
Other fish	13	27	25	21	18	13	11	12
Total	174	206	138	148	93	86	67	72
Whole frozen								
Tuna ^a	117	154	213	146	95	109	114	158
Salmon	4	1	3	0	1	0	1	1
Whiting	3	2	3	2	4	5	4	3
Other fish	11	20	19	14	17	8	9	5
Total	135	178	238	163	117	122	127	167
Substantially transformed								
Fillets								
Fresh or chilled	7	7	4	1	2	3	8	3
Frozen	18	21	20	16	17	12	5	2
Total	25	27	24	17	19	15	13	6
Other frozen	75	13	6	9	6	4	4	2
Elaborately transformed								
Dried, salted or smoked								
Salmon	2	1	1	1	0	1	1	1
Other fish	14	15	17	19	20	13	14	16
Total	16	16	19	19	20	14	15	17
Canned	4	5	5	6	7	7	6	13
Other processed	1	2	1	2	1	2	1	2
Total fish	472	494	479	403	297	289	275	321

Continued

5.5 Australian seafood exports, by level of transformation *continued*

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Shellfish								
Minimally transformed								
Live fresh or chilled								
Whole								
Rock lobster	318	307	228	228	239	296	281	265
Crabs	28	23	17	14	14	13	12	9
Other crustaceans	3	1	0	0	0	0	4	2
Abalone	61	75	75	77	84	98	98	88
Other molluscs	1	1	1	0	1	1	1	1
Other	10	30	28	8	1	1	1	0
Total	421	437	349	327	340	408	396	364
Substantially transformed								
Rock lobster								
Frozen green	42	29	25	21	21	18	18	16
Cooked	101	84	91	70	70	74	58	53
Tails	60	65	113	103	101	97	102	63
Other	12	7	6	6	9	5	5	4
Total	215	185	235	199	200	194	183	136
Prawns								
Headless	25	19	12	5	7	3	2	6
Whole frozen	258	239	193	151	153	129	89	56
Other	7	5	4	4	3	2	3	7
Total	291	263	208	161	163	134	94	69
Crabs	4	7	4	4	4	5	5	6
Other crustaceans	28	19	14	9	10	5	9	4
Abalone	73	107	74	59	74	60	63	56
Scallops	48	31	26	35	32	39	35	28
Other molluscs	7	4	2	1	2	2	3	2
Elaborately transformed								
Dried salted								
Molluscs	12	8	9	8	8	11	9	2
Canned								
Abalone	145	140	107	120	139	114	107	93
Other shellfish	26	7	0	0	0	0	0	0
Other preserved	1	15	13	9	0	0	1	3
Seafood extracts	0	0	0	0	0	0	0	0
Seafood meals and flours	9	3	4	2	2	2	1	1
Total	181	164	123	132	142	116	109	96
Total shellfish	1 280	1 225	1 046	934	976	974	904	765
Total seafood								
Minimally transformed	771	868	773	677	584	657	631	646
Substantially transformed	767	656	595	493	511	457	408	310
Elaborately transformed	214	196	158	167	178	149	140	129
Total	1 752	1 720	1 525	1 337	1 273	1 263	1 179	1 085

^a Exports of tuna landed in Australia. Tuna shipped at sea or captured under joint venture or bilateral agreements are not included.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Australian food exports

5.6 Selected Australian fruit and nut exports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Fruit								
Oranges	150	153	146	107	118	137	141	135
Grapes	72	136	96	85	109	115	94	101
Apples	46	34	41	20	17	12	12	7
Pears	24	20	23	12	12	9	6	7
Mandarins	37	40	49	43	41	35	29	34
Plums	25	22	26	13	16	14	11	11
Melons	18	20	17	15	16	16	17	15
Mangoes	11	14	12	11	13	12	13	11
Nectarines	16	27	23	12	15	16	11	10
Other fruit	50	58	64	41	50	48	48	48
Total fruit	448	523	498	358	407	414	382	377
Nuts, in shell								
Macadamias	20	25	24	35	41	34	24	20
Almonds	3	10	6	9	9	21	28	24
Other nuts	5	4	5	5	5	12	17	12
Total nuts	28	39	35	49	55	67	69	56
Substantially transformed								
Canned or bottled								
Pears	30	28	29	23	17	21	14	10
Fruit salads and mixtures	23	23	27	20	18	17	16	13
Peaches	20	19	31	18	9	13	16	17
Pineapples	3	4	3	3	3	3	3	2
Apricots	2	3	3	2	1	2	2	1
Apples	0	0	0	0	0	0	0	0
Other canned or bottled fruit	9	7	8	7	8	9	12	8
Total canned or bottled fruit	87	85	102	74	57	65	62	51
Dried								
Grapes	17	14	20	15	15	18	16	13
Other dried fruit	3	2	3	3	3	5	3	4
Total dried fruit	20	16	23	18	19	22	19	17
Juice								
Orange, frozen or otherwise	22	17	17	14	18	17	19	15
Grape	12	13	12	13	12	13	17	12
Apple	13	10	12	11	9	9	10	9
Pineapple	1	2	3	3	2	2	2	2
Other fruit juice	24	32	30	32	47	50	47	65
Total fruit juice	72	74	73	72	88	91	96	102
Shelled nuts								
Macadamias	57	86	64	71	104	86	65	64
Other shelled nuts	15	18	18	29	41	61	56	70
Total shelled nuts	72	103	82	100	146	147	121	134
Jams, spreads, pastes etc	10	10	10	14	16	17	16	17
Otherwise processed fruits								
Fruits preserved by sugar	5	4	3	2	2	2	4	2
Frozen fruits	1	1	1	1	1	1	2	2
Other processed fruits	2	2	3	2	1	2	3	1
Total otherwise processed fruits	7	7	7	5	4	6	9	6
Total fruit and nut products								
Minimally transformed	476	562	532	407	462	481	451	433
Substantially transformed	269	296	298	283	329	348	323	327
Total	745	857	830	690	791	829	774	760

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

5.7 Selected Australian vegetable exports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Vegetables								
Asparagus	43	40	34	22	27	22	18	17
Carrots	40	49	48	39	37	41	41	38
Cauliflowers	30	28	23	13	6	2	1	1
Onions	19	28	25	24	21	22	28	27
Headed broccoli	14	15	13	10	9	8	8	5
Potatoes (excluding seed)	6	8	13	14	16	15	11	7
Tomatoes	7	4	7	8	6	8	9	12
Lettuce	8	9	6	4	5	4	4	5
Chinese cabbage	6	5	4	2	2	3	2	0
Other vegetables	30	31	26	25	25	25	24	25
Total vegetables	201	217	199	161	155	149	146	137
Substantially transformed								
Canned or bottled								
Tomatoes and tomato products	14	26	29	17	17	17	17	17
Ginger in syrup	5	5	6	5	5	5	6	5
Other canned or bottled vegetables	6	3	4	3	3	3	2	2
Total canned or bottled vegetables	25	34	39	25	25	25	25	24
Dried								
Peas	92	133	37	52	33	42	79	60
Beans	91	88	66	56	37	66	65	60
Other dried vegetables	9	4	2	4	7	5	9	13
Total dried vegetables	192	225	105	111	77	113	153	134
Juice								
Vegetable juice mixtures	1	0	0	2	11	16	17	9
Single vegetable juices	22	28	24	21	6	2	3	3
Tomato juice	1	1	1	1	1	1	1	0
Total juice	25	29	26	24	17	19	20	13
Frozen								
Potatoes	8	11	18	23	14	14	16	22
Mixed vegetables	5	3	3	5	5	3	2	2
Corn	1	8	5	1	1	0	1	1
Peas	1	1	0	0	0	0	1	0
Other frozen vegetables	7	8	2	10	5	7	10	8
Total frozen vegetables	21	32	27	39	27	25	30	33
Saps and extracts								
Hop extracts	4	4	3	4	4	2	1	2
Miscellaneous vegetable extracts	8	17	15	11	12	13	12	14
Total vegetable extracts	12	20	18	15	16	15	13	15
Otherwise processed vegetables								
Hops	8	9	5	6	4	1	4	12
Ginger	6	6	7	7	7	7	8	7
Mixed vegetables	3	2	2	1	3	3	2	1
Potatoes	5	2	1	1	1	1	1	1
Other	12	9	9	8	8	7	8	6
Total otherwise processed vegetables	33	28	24	23	22	19	22	28
Total vegetable products								
Minimally transformed	201	217	199	161	155	149	146	137
Substantially transformed	308	369	239	238	185	216	263	247
Total	509	586	439	399	340	365	410	384

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Australian food exports

5.8 Australian food exports, by level of transformation and state, 2007-08

	NSW \$m	Vic \$m	Qld \$m	WA \$m	SA \$m	Tas \$m	NT \$m
Minimally transformed							
Live animals except fish	14	55	42	357	40	0	252
Fish or shellfish	14	39	73	109	287	119	0
Horticulture							
Vegetables	8	27	29	40	7	26	0
Fruit and nuts	60	198	54	13	74	11	1
Total	68	225	83	53	81	37	1
Grains a	121	241	231	1 818	585	0	0
Oilseeds	3	4	26	287	16	9	0
Food nec	5	6	5	12	9	2	0
Substantially and elaborately transformed							
Meat							
Meat processing	1 148	1 305	3 079	386	471	115	0
Poultry processing	10	12	6	2	2	0	0
Bacon, ham and smallgoods	7	15	7	2	1	0	0
Total	1 165	1 332	3 092	390	474	116	0
Seafood	11	62	88	157	51	28	0
Dairy							
Milk and cream processing	34	1 125	29	33	2	36	0
Ice cream	19	3	9	6	0	0	0
Other dairy products	88	1 233	5	8	52	75	0
Total	141	2 361	42	47	54	111	0
Fruit and vegetables	69	231	140	14	91	13	0
Oil and fat	64	89	67	10	3	0	0
Flour mill and cereal food							
Flour mill products	246	4	15	41	7	0	0
Cereal food and baking mix	150	81	20	4	27	0	0
Total	396	85	35	45	34	0	0
Bakery products							
Bread, cake and pastry	19	4	2	0	0	0	0
Biscuit	45	42	24	1	5	0	0
Total	64	46	26	1	6	0	0
Other food							
Sugar a	31	1	1 002	0	0	0	0
Confectionery	36	146	3	2	1	39	0
Food nec	396	261	320	28	43	10	0
Total	464	409	1 325	30	44	49	0
Beverage and malt							
Soft drink, cordial and syrup	5	5	18	0	2	0	0
Beer and malt	11	106	0	125	74	1	0
Wine	505	270	3	46	1 853	5	0
Spirit	14	17	2	0	14	0	0
Total	535	397	22	172	1 943	6	0
Total food and beverage							
Minimally transformed	226	572	461	2 637	1 018	167	253
Substantially transformed	2 806	4 877	4 814	861	2 694	284	1
Elaborately transformed	101	136	24	6	6	39	0
Total b	3 133	5 584	5 298	3 504	3 718	490	255

a Includes ABARE estimates where ABS confidentiality restrictions apply. b Due to state level ABS confidentiality restrictions, these totals do not correspond with table 5.1.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

5.9 Australian air freight exports of food, by level of transformation ^a

	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m
Minimally transformed					
Live animals except fish	138	120	139	172	118
Fish or shellfish					
Fish	186	133	124	124	134
Shellfish	404	411	465	462	419
Total	590	544	589	587	553
Horticulture					
Vegetables	52	59	54	54	52
Fruit and nuts	64	87	86	89	87
Total	117	146	140	143	139
Grains	0	0	0	0	1
Oilseeds	3	2	2	2	3
Substantially transformed					
Meat					
Beef	76	103	115	126	154
Other meat and offal	187	200	214	219	205
Total	263	303	329	345	359
Seafood	38	35	23	10	9
Dairy					
Milk, cream and milk products ^b	11	10	13	17	24
Butter and other milk fat	0	1	0	1	1
Cheese and curd	8	7	11	8	15
Total	19	17	25	26	40
Fruit and vegetables	5	7	5	3	3
Oil and fat	4	3	4	5	5
Flour mill and cereal food	5	6	7	12	8
Other food					
Chocolate and chocolate confectionery	12	10	8	6	9
Sugar confectionary	4	6	2	3	3
Food nec	54	57	54	54	51
Total	70	73	64	62	63
Beverages and malt					
Nonalcoholic	0	0	0	0	0
Alcoholic	9	12	12	13	13
Total	10	12	12	13	13
Total food and beverage					
Minimally transformed	848	812	870	903	813
Substantially transformed	414	455	469	476	500
Total	1 262	1 267	1 339	1 380	1 313

^a Based on state of departure. ^b Excluding butter and cheese.

Source: ABS, Air freight cargo statistics, unpublished.

Australian food exports

5.10 Australian air freight exports of food, by level of transformation and state, 2007-08 ^a

	NSW \$m	Vic \$m	Qld \$m	WA \$m	SA \$m	Tas ^b \$m	NT \$m
Minimally transformed							
Live animals except fish	39	74	1	2	2	0	0
Fish or shellfish							
Fish	10	24	69	1	29	0	0
Shellfish	30	203	23	122	42	0	0
Total	40	227	92	123	71	0	0
Horticulture							
Vegetables	18	19	13	2	0	0	0
Fruit and nuts	34	24	18	10	2	0	0
Total	52	42	31	12	2	0	0
Oilseeds	2	0	0	0	0	0	0
Substantially transformed							
Meat							
Beef	30	32	80	11	1	0	0
Other meat and offal	36	74	40	44	11	0	0
Total	66	106	120	56	12	0	0
Seafood	1	5	0	1	3	0	0
Dairy							
Milk, cream and milk products ^c	10	12	2	1	0	0	0
Butter and other milk fat	0	1	0	0	0	0	0
Cheese and curd	4	10	0	0	0	0	0
Total	14	23	2	1	0	0	0
Fruit and vegetables	2	0	1	0	0	0	0
Oil and fat	3	2	0	0	0	0	0
Flour mill and cereal food	3	2	2	0	0	0	0
Other food							
Chocolate and chocolate confectionery	3	5	0	0	0	0	0
Sugar confectionery	2	0	0	1	0	0	0
Food nec	31	12	8	1	0	0	0
Total	36	18	8	1	0	0	0
Beverages and malt							
Nonalcoholic	0	0	0	0	0	0	0
Alcoholic	6	4	0	1	2	0	0
Total	6	4	0	1	2	0	0
Total food and beverage							
Minimally transformed	134	344	124	137	75	0	0
Substantially transformed	131	159	133	60	17	0	0
Total	264	503	257	197	92	0	0

^a Based on state of departure. ^b Virtually all air freight exports of Tasmanian origin are recorded as exports from mainland Australian airports. ^c Excluding butter and cheese.

Source: ABS, Air freight cargo statistics, unpublished.

5.11 Australian food exports to APEC member countries

	2000-01 \$m	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Minimally transformed								
Live animals except fish	306	364	457	289	335	311	399	414
Fish or shellfish	764	856	758	665	567	641	611	630
Horticulture								
Vegetables	177	180	163	119	115	105	94	85
Fruit and nuts	394	468	432	305	337	347	320	312
Total	570	648	595	424	451	452	413	397
Grains a	2 475	2 156	2 113	2 236	2 408	2 151	1 977	2 762
Oilseeds	424	489	325	312	286	208	132	99
Food nec	51	31	46	27	25	29	40	27
Substantially and elaborately transformed								
Meat								
Meat processing	5 042	5 381	4 917	5 078	6 193	5 886	6 147	5 413
Poultry processing	8	8	5	6	7	8	10	12
Bacon, ham and smallgoods	52	64	68	72	90	77	34	27
Total	5 101	5 454	4 989	5 155	6 290	5 972	6 191	5 452
Seafood	894	755	667	578	581	507	480	390
Dairy								
Milk and cream processing	1 129	1 171	869	801	801	911	784	913
Ice cream	33	31	27	34	39	39	40	36
Other dairy products	906	1 080	839	833	963	899	943	1 085
Total	2 068	2 281	1 735	1 668	1 804	1 849	1 766	2 034
Fruit and vegetables	306	348	329	316	337	344	336	331
Oil and fat	107	131	122	123	125	124	141	198
Flour mill and cereal food								
Flour mill products	174	203	198	182	198	219	252	297
Cereal food and baking mix	149	118	129	130	141	137	122	177
Total	323	321	327	312	338	356	374	473
Bakery products								
Bread, cake and pastry	12	12	16	15	15	17	17	17
Biscuit	56	71	68	72	86	84	90	96
Total	68	83	84	87	101	101	107	113
Other food								
Sugar a	1 048	1 292	1 037	894	1 051	1 399	1 458	1 014
Confectionery	242	263	263	238	223	183	189	210
Food nec	756	772	824	852	832	778	785	772
Total	2 046	2 327	2 124	1 984	2 106	2 361	2 432	1 996
Beverage and malt								
Soft drink, cordial and syrup	38	36	42	44	41	36	33	32
Beer and malt	180	216	196	173	167	147	198	239
Wine	767	974	1 223	1 309	1 373	1 400	1 462	1 359
Spirit	96	103	83	61	54	38	57	54
Total	1 081	1 330	1 544	1 587	1 635	1 620	1 750	1 683
Total food and beverage								
Minimally transformed	4 590	4 545	4 295	3 954	4 073	3 793	3 572	4 328
Substantially transformed	11 737	12 744	11 623	11 534	13 042	12 996	13 330	12 400
Elaborately transformed	257	287	299	278	277	237	249	270
Total	16 584	17 575	16 216	15 767	17 391	17 026	17 151	16 998

a Includes ABARE estimates where ABS confidentiality restrictions apply.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Australian food exports

5.12 Australian food exports to ASEAN member countries

	2000-01 \$m	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Minimally transformed								
Live animals except fish	285	335	413	258	280	268	363	390
Fish or shellfish	15	15	11	10	13	10	15	13
Horticulture								
Vegetables	87	96	86	56	45	41	40	35
Fruit and nuts	164	179	160	107	118	113	117	98
Total	251	275	247	163	164	154	157	133
Grains a	1 076	905	691	932	983	1 003	927	1 203
Oilseeds	11	14	3	4	5	2	2	1
Food nec	4	6	7	1	4	1	1	1
Substantially and elaborately transformed								
Meat								
Meat processing	349	400	378	302	263	296	377	435
Poultry processing	1	3	1	2	2	4	4	5
Bacon, ham and smallgoods	2	3	3	3	3	3	3	3
Total	352	406	382	306	268	303	383	443
Seafood	69	81	57	47	56	54	51	58
Dairy								
Milk and cream processing	803	830	594	545	562	662	547	641
Ice cream	2	2	3	6	5	4	5	6
Other dairy products	208	232	183	169	217	242	241	258
Total	1 014	1 064	780	719	783	908	793	906
Fruit and vegetables	48	58	49	50	49	39	46	47
Oil and fat	17	17	19	25	24	22	29	47
Flour mill and cereal food								
Flour mill products	62	73	64	67	84	96	105	116
Cereal food and baking mix	31	15	17	12	15	12	16	30
Total	93	89	80	80	99	108	120	146
Bakery products								
Bread, cake and pastry	2	1	2	2	2	2	2	2
Biscuit	3	9	10	6	4	4	3	4
Total	6	10	12	8	6	5	5	6
Other food								
Sugar a	305	420	317	301	380	428	476	378
Confectionery	41	51	60	50	45	35	30	33
Food nec	155	148	152	150	159	129	142	169
Total	501	619	529	500	584	592	648	580
Beverage and malt								
Soft drink, cordial and syrup	4	4	3	11	10	6	4	4
Beer and malt	127	149	147	133	125	124	160	218
Wine	40	48	53	62	76	79	92	93
Spirit	13	16	18	8	14	12	12	8
Total	184	218	220	215	225	221	267	323
Total food and beverage								
Minimally transformed	1 642	1 550	1 371	1 368	1 448	1 439	1 466	1 741
Substantially transformed	2 241	2 509	2 067	1 899	2 048	2 216	2 311	2 521
Elaborately transformed	44	53	62	52	47	35	30	34
Total	3 927	4 112	3 500	3 318	3 543	3 691	3 807	4 296

a Includes ABARE estimates where ABS confidentiality restrictions apply.

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

5.13 Australian food exports to NAFTA member countries

	2000-01 \$m	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Minimally transformed								
Live animals except fish	5	9	14	3	3	10	4	4
Fish or shellfish	26	30	24	16	14	13	12	8
Horticulture								
Vegetables	0	0	0	0	0	1	1	1
Fruit and nuts	46	49	61	53	56	70	56	60
Total	46	49	61	54	57	70	57	61
Grains a	1	1	0	0	1	1	1	1
Oilseeds	76	82	35	9	7	6	6	10
Food nec	8	4	3	2	4	4	4	2
Substantially and elaborately transformed								
Meat								
Meat processing	2 095	2 575	2 045	1 856	1 968	1 726	1 812	1 487
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	1	2	2	0	1	0	0	0
Total	2 095	2 577	2 047	1 856	1 969	1 726	1 813	1 488
Seafood	105	105	132	113	118	105	108	68
Dairy								
Milk and cream processing	57	28	20	35	31	45	30	21
Ice cream	0	0	0	0	0	0	0	0
Other dairy products	173	213	177	157	153	155	130	112
Total	230	242	197	192	184	201	160	134
Fruit and vegetables	69	65	53	53	57	50	50	35
Oil and fat	4	3	5	1	5	11	15	10
Flour mill and cereal food								
Flour mill products	61	61	52	45	41	47	53	82
Cereal food and baking mix	2	3	4	3	4	6	4	9
Total	62	64	56	48	46	53	57	91
Bakery products								
Bread, cake and pastry	0	0	0	0	0	0	0	0
Biscuit	2	5	5	6	6	6	8	7
Total	2	5	5	6	6	6	8	7
Other food								
Sugar a	242	246	159	167	143	138	119	68
Confectionery	13	12	8	9	11	10	8	10
Food nec	61	36	37	46	31	33	39	45
Total	316	295	204	222	185	180	167	123
Beverage and malt								
Soft drink, cordial and syrup	2	0	1	1	1	1	1	1
Beer and malt	1	1	0	0	0	0	0	0
Wine	595	781	1 011	1 072	1 108	1 112	1 115	1 000
Spirit	1	7	2	1	1	1	1	3
Total	599	790	1 015	1 074	1 110	1 114	1 117	1 004
Total food and beverage								
Minimally transformed	162	176	138	83	85	104	83	86
Substantially transformed	3 468	4 129	3 699	3 550	3 665	3 432	3 480	2 945
Elaborately transformed	15	18	14	15	14	15	14	16
Total	3 645	4 322	3 851	3 648	3 765	3 550	3 577	3 047

a Includes ABARE estimates where ABS confidentiality restrictions apply.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Australian food exports

5.14 Australian food exports to EU member countries

	2000-01 \$m	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Minimally transformed								
Live animals except fish	1	1	0	1	0	1	0	0
Fish or shellfish	6	7	11	9	12	6	7	7
Horticulture								
Vegetables	13	23	21	20	16	16	22	23
Fruit and nuts	28	23	22	21	31	24	24	26
Total	42	46	42	42	47	40	46	49
Grains a	159	182	69	127	122	113	57	56
Oilseeds	141	43	12	59	19	110	6	100
Food nec	6	7	8	5	8	7	4	3
Substantially and elaborately transformed								
Meat								
Meat processing	251	249	207	228	241	210	237	267
Poultry processing	1	1	0	0	0	0	0	0
Bacon, ham and smallgoods	5	3	1	0	3	4	2	0
Total	258	253	208	229	243	214	239	267
Seafood	43	30	40	58	56	61	37	15
Dairy								
Milk and cream processing	8	3	4	10	23	16	17	10
Ice cream	0	0	0	0	0	0	0	0
Other dairy products	185	89	111	99	109	81	70	85
Total	193	92	115	108	132	98	87	95
Fruit and vegetables	73	82	93	87	89	85	81	97
Oil and fat	4	4	2	4	4	7	6	6
Flour mill and cereal food								
Flour mill products	1	1	1	1	1	1	2	1
Cereal food and baking mix	8	5	5	4	5	5	6	7
Total	8	6	6	5	6	6	9	8
Bakery products								
Bread, cake and pastry	1	0	0	0	0	0	0	0
Biscuit	2	3	7	15	9	10	6	6
Total	2	4	8	16	10	10	6	6
Other food								
Sugar a	2	1	1	1	4	1	10	6
Confectionery	1	1	2	6	8	5	6	8
Food nec	51	42	47	36	40	41	42	41
Total	54	44	49	42	52	47	58	55
Beverage and malt								
Soft drink, cordial and syrup	1	0	1	2	1	1	1	2
Beer and malt	2	7	0	0	0	0	0	0
Wine	936	1 079	1 143	1 134	1 289	1 303	1 359	1 268
Spirit	10	6	5	4	3	7	13	15
Total	948	1 092	1 149	1 140	1 293	1 311	1 373	1 285
Total food and beverage								
Minimally transformed	354	286	143	242	208	277	121	216
Substantially transformed	1 579	1 602	1 660	1 669	1 869	1 825	1 883	1 821
Elaborately transformed	4	6	10	20	17	14	12	14
Total	1 937	1 894	1 813	1 932	2 094	2 116	2 016	2 050

a Includes ABARE estimates where ABS confidentiality restrictions apply.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

5.15 Australian total food exports, by selected destination

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Canada	595	411	447	425	423	417
China	753	699	1 158	786	664	928
Chinese Taipei	657	600	644	704	595	566
Egypt	332	650	223	471	151	174
Germany	117	153	143	172	123	162
Hong Kong, China	784	729	710	789	827	857
Indonesia	1 127	1 110	1 234	1 442	1 566	1 693
Japan	4 532	4 699	5 478	4 916	4 752	4 573
Korea, Rep. of	1 191	1 150	1 404	1 634	1 850	1 611
Malaysia	820	863	902	750	801	817
New Zealand	1 058	992	1 058	1 092	1 203	1 300
Philippines	492	376	339	285	240	308
Saudi Arabia	571	779	585	777	568	1 154
Singapore	602	516	560	622	650	712
Thailand	297	273	297	385	305	393
United Arab Emirates	236	241	276	419	284	445
United Kingdom	1 105	1 099	1 202	1 175	1 209	1 136
United States	3 091	3 119	3 231	3 006	3 058	2 558

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

Australian food exports

5.16 Australian food exports to selected countries

	Japan		United States		United Kingdom	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	19	19	4	4	0	0
Fish or shellfish	199	240	12	8	0	0
Horticulture						
Vegetables	21	19	0	0	3	2
Fruit and nuts	34	28	49	53	14	13
Total	56	47	50	54	17	15
Grains a	463	694	1	1	1	8
Oilseeds	113	83	5	7	0	0
Food nec	29	20	3	2	3	2
Substantially and elaborately transformed						
Meat						
Meat processing	2 533	2 186	1 657	1 347	124	128
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	1	1	0	0	2	0
Total	2 535	2 187	1 657	1 347	126	128
Seafood	107	88	105	65	5	2
Dairy						
Milk and cream processing	35	34	20	17	0	0
Ice cream	20	10	0	0	0	0
Other dairy products	397	502	103	98	15	22
Total	453	545	123	115	15	22
Fruit and vegetables	93	82	35	27	27	21
Oil and fat	9	7	14	10	2	1
Flour mill and cereal food						
Flour mill products	32	36	48	77	1	0
Cereal food and baking mix	31	26	4	8	5	5
Total	63	62	52	85	6	6
Bakery products						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	3	4	5	5	5	5
Total	4	4	6	5	5	5
Other food						
Sugar a	238	150	97	54	0	0
Confectionery	35	42	5	6	6	7
Food nec	239	201	30	33	18	22
Total	513	393	132	93	24	29
Beverage and malt						
Soft drink, cordial and syrup	2	2	1	1	1	2
Beer and malt	41	50	0	0	0	0
Wine	49	49	857	734	977	896
Spirit	5	1	1	3	0	0
Total	97	103	859	738	978	897
Total food and beverage						
Minimally transformed	878	1 103	74	75	21	25
Substantially transformed	3 861	3 458	2 974	2 473	1 178	1 099
Elaborately transformed	12	12	10	11	10	12
Total	4 752	4 573	3 058	2 558	1 209	1 136

Continued

5.16 Australian food exports to selected countries *continued*

	Hong Kong, China		New Zealand		Chinese Taipei	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	2	1	0	0
Fish or shellfish	342	340	1	1	19	11
Horticulture						
Vegetables	6	5	17	20	4	2
Fruit and nuts	74	88	25	25	9	11
Total	80	93	42	45	13	13
Grains a	0	1	88	137	43	107
Oilseeds	0	0	3	3	2	1
Food nec	0	0	4	3	0	0
Substantially and elaborately transformed						
Meat						
Meat processing	73	87	78	84	199	156
Poultry processing	6	7	0	0	0	0
Bacon, ham and smallgoods	1	1	5	5	1	0
Total	79	94	83	90	200	156
Seafood	144	127	10	12	32	34
Dairy						
Milk and cream processing	36	37	22	25	53	47
Ice cream	0	0	12	16	0	1
Other dairy products	36	44	26	37	29	36
Total	72	81	60	78	82	84
Fruit and vegetables	9	13	114	130	5	4
Oil and fat	16	15	49	53	1	17
Flour mill and cereal food						
Flour mill products	5	5	36	31	10	15
Cereal food and baking mix	3	5	61	72	1	3
Total	8	9	97	103	10	17
Bakery products						
Bread, cake and pastry	4	3	10	11	0	0
Biscuit	1	1	73	78	0	1
Total	5	4	83	89	0	1
Other food						
Sugar a	4	3	96	79	121	56
Confectionery	13	15	94	100	6	6
Food nec	20	19	210	223	51	45
Total	37	38	400	402	177	108
Beverage and malt						
Soft drink, cordial and syrup	1	1	22	19	0	1
Beer and malt	1	0	1	1	0	0
Wine	28	36	111	98	10	12
Spirit	3	2	32	36	1	0
Total	33	39	166	154	12	12
Total food and beverage						
Minimally transformed	423	435	140	189	77	132
Substantially transformed	387	403	899	936	512	427
Elaborately transformed	17	19	164	175	6	7
Total	827	857	1 203	1 300	595	566

Continued

Australian food exports

5.16 Australian food exports to selected countries *continued*

	Philippines		China		Malaysia	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	10	11	9	0	41	27
Fish or shellfish	0	0	25	16	2	2
Horticulture						
Vegetables	1	1	0	0	12	9
Fruit and nuts	0	0	9	5	37	21
Total	2	1	9	5	48	30
Grains a	22	23	265	454	153	249
Oilseeds	0	0	1	1	0	0
Food nec	0	0	0	0	1	1
Substantially and elaborately transformed						
Meat						
Meat processing	19	33	55	96	62	67
Poultry processing	3	3	0	0	0	0
Bacon, ham and smallgoods	0	0	22	16	0	0
Total	21	37	77	112	62	67
Seafood	1	3	34	10	4	6
Dairy						
Milk and cream processing	67	89	42	91	148	150
Ice cream	2	4	2	2	0	0
Other dairy products	34	44	36	46	38	49
Total	103	136	81	139	187	200
Fruit and vegetables	3	4	12	13	16	20
Oil and fat	1	3	18	28	10	12
Flour mill and cereal food						
Flour mill products	15	14	5	4	10	11
Cereal food and baking mix	4	3	1	25	3	12
Total	19	18	5	29	13	23
Bakery products						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	0	0	1	1	0	0
Total	0	0	1	2	1	1
Other food						
Sugar a	1	1	29	26	204	127
Confectionery	7	8	1	1	4	4
Food nec	10	9	43	26	25	23
Total	19	18	73	54	233	154
Beverage and malt						
Soft drink, cordial and syrup	0	1	1	2	0	1
Beer and malt	31	49	0	0	7	7
Wine	3	4	49	61	20	19
Spirit	4	1	1	1	2	1
Total	38	54	51	64	29	27
Total food and beverage						
Minimally transformed	33	35	310	477	245	308
Substantially transformed	199	265	352	449	551	505
Elaborately transformed	7	8	2	2	4	4
Total	240	308	664	928	801	817

Continued

5.16 Australian food exports to selected countries *continued*

	Singapore		Republic of Korea		Saudi Arabia	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	3	2	2	0	122	78
Fish or shellfish	4	5	0	1	0	0
Horticulture						
Vegetables	20	18	3	2	3	4
Fruit and nuts	34	28	1	1	3	2
Total	54	46	5	3	6	6
Grains a	17	31	264	301	129	778
Oilseeds	0	0	4	0	0	0
Food nec	0	0	2	0	0	0
Substantially and elaborately transformed						
Meat						
Meat processing	160	167	995	853	96	90
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	1	0	0	0	0
Total	161	168	996	853	96	90
Seafood	37	36	0	0	0	0
Dairy						
Milk and cream processing	129	172	30	33	47	58
Ice cream	2	1	0	0	0	0
Other dairy products	54	64	53	54	93	97
Total	185	237	83	87	140	155
Fruit and vegetables	9	9	5	6	12	23
Oil and fat	6	14	3	22	0	0
Flour mill and cereal food						
Flour mill products	1	2	6	7	0	0
Cereal food and baking mix	5	6	1	2	3	2
Total	7	8	8	10	3	2
Bakery products						
Bread, cake and pastry	1	1	0	0	0	0
Biscuit	2	2	0	0	0	1
Total	3	3	0	0	0	1
Other food						
Sugar a	59	47	396	252	47	10
Confectionery	14	16	1	1	3	3
Food nec	25	25	24	22	9	9
Total	98	88	420	275	59	22
Beverage and malt						
Soft drink, cordial and syrup	2	2	0	0	0	0
Beer and malt	11	11	43	35	0	0
Wine	49	50	12	15	0	0
Spirit	3	2	3	3	0	0
Total	65	65	58	53	0	0
Total food and beverage						
Minimally transformed	79	84	277	305	257	861
Substantially transformed	557	612	1 573	1 305	308	288
Elaborately transformed	14	16	1	1	3	4
Total	650	712	1 850	1 611	568	1 154

Continued

Australian food exports

5.16 Australian food exports to selected countries *continued*

	Canada		Thailand		Egypt	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	1	1	0	0
Fish or shellfish	0	0	6	3	0	0
Horticulture						
Vegetables	0	0	2	2	0	0
Fruit and nuts	7	7	12	17	0	0
Total	7	7	14	19	0	0
Grains a	0	0	53	109	69	115
Oilseeds	1	4	2	0	0	0
Food nec	0	0	0	0	0	0
Substantially and elaborately transformed						
Meat						
Meat processing	94	93	23	23	8	12
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	0	0
Total	94	93	23	23	8	12
Seafood	3	3	3	5	0	0
Dairy						
Milk and cream processing	4	2	75	70	3	2
Ice cream	0	0	0	0	0	0
Other dairy products	7	4	35	39	23	15
Total	11	6	110	109	26	17
Fruit and vegetables	15	8	4	5	38	21
Oil and fat	1	1	1	1	0	1
Flour mill and cereal food						
Flour mill products	0	0	6	10	0	0
Cereal food and baking mix	0	1	1	4	0	0
Total	0	1	7	14	0	0
Bakery products						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	2	2	0	0	0	0
Total	2	2	0	0	0	0
Other food						
Sugar a	20	14	0	0	0	0
Confectionery	3	3	2	2	0	0
Food nec	9	10	17	16	9	9
Total	32	28	19	18	10	9
Beverage and malt						
Soft drink, cordial and syrup	0	0	0	0	0	0
Beer and malt	0	0	52	70	0	0
Wine	255	264	9	11	0	0
Spirit	0	0	1	2	0	0
Total	255	264	63	83	0	0
Total food and beverage						
Minimally transformed	9	11	75	133	69	115
Substantially transformed	410	401	228	258	82	59
Elaborately transformed	4	5	2	2	0	0
Total	423	417	305	393	151	174

Continued

5.16 Australian food exports to selected countries *continued*

	Indonesia		Germany		United Arab Emirates	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	304	342	0	0	13	13
Fish or shellfish	2	3	1	1	1	1
Horticulture						
Vegetables	4	4	8	8	13	12
Fruit and nuts	25	25	1	1	21	22
Total	28	29	9	9	34	34
Grains a	568	589	1	2	35	118
Oilseeds	0	0	0	38	0	34
Food nec	0	0	1	1	0	0
Substantially and elaborately transformed						
Meat						
Meat processing	103	126	31	31	110	128
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	1	1	0	0	1	0
Total	104	127	31	31	111	129
Seafood	1	1	1	1	0	0
Dairy						
Milk and cream processing	109	138	1	0	12	23
Ice cream	0	0	0	0	0	0
Other dairy products	72	56	12	2	31	35
Total	181	194	13	2	44	58
Fruit and vegetables	11	6	16	27	10	15
Oil and fat	8	13	0	0	2	3
Flour mill and cereal food						
Flour mill products	72	78	0	0	1	1
Cereal food and baking mix	2	4	0	0	1	1
Total	73	82	0	0	2	3
Bakery products						
Bread, cake and pastry	0	0	0	0	1	0
Biscuit	0	1	0	0	0	1
Total	0	1	0	0	1	1
Other food						
Sugar a	211	205	0	0	0	0
Confectionery	2	1	0	0	6	6
Food nec	59	86	3	4	14	15
Total	271	292	3	4	20	21
Beverage and malt						
Soft drink, cordial and syrup	0	0	0	0	0	0
Beer and malt	8	12	0	0	0	0
Wine	4	3	44	46	9	14
Spirit	0	0	0	0	0	0
Total	13	15	44	46	10	15
Total food and beverage						
Minimally transformed	902	963	13	50	84	200
Substantially transformed	662	728	110	112	193	238
Elaborately transformed	1	2	0	0	7	7
Total	1 566	1 693	123	162	284	445

a Includes ABARE estimate where ABS confidentiality restrictions apply.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Australian food imports

6.1 Australian food imports, by level of transformation

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	0	1	0	0	1	1	1	1
Fish or shellfish	37	37	41	46	46	47	57	65
Horticulture								
Vegetables	26	24	27	34	32	41	45	53
Fruit and nuts	110	117	115	140	159	191	194	216
Total	136	141	142	173	191	233	238	269
Grains	0	0	65	1	1	1	2	2
Oilseeds	24	21	61	50	25	20	78	49
Food nec	115	86	93	88	116	140	176	188
Substantially and elaborately transformed								
Meat								
Meat processing	105	206	172	224	345	290	446	381
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	31	36	39	40	41	43	42	50
Total	136	242	211	264	387	333	489	431
Seafood	843	865	923	868	928	998	1 151	1 095
Dairy								
Milk and cream processing	37	29	34	35	45	45	40	67
Ice cream	21	15	22	22	29	30	40	37
Other dairy products	261	277	275	272	310	357	401	552
Total	319	321	331	330	384	432	480	656
Fruit and vegetables	755	818	921	945	1 027	1 043	1 233	1 390
Oil and fat	278	283	365	373	376	417	481	489
Flour mill and cereal food								
Flour mill products	77	22	41	59	73	57	34	66
Cereal food and baking mix	196	226	236	260	285	305	325	462
Total	273	248	277	319	358	362	358	527
Bakery products								
Bread, cake and pastry	92	89	106	117	120	138	163	175
Biscuit	82	106	152	160	177	199	254	267
Total	174	196	257	277	297	337	417	442
Other food								
Sugar	12	16	20	15	18	19	20	22
Confectionery	224	222	245	261	307	333	371	438
Food nec	859	923	1 034	963	1 038	1 075	1 186	1 270
Total	1 095	1 161	1 299	1 240	1 363	1 427	1 577	1 731
Beverage and malt								
Soft drink, cordial and syrup	405	421	461	502	537	571	656	697
Beer and malt	52	66	78	91	99	112	126	161
Wine	92	116	139	158	200	248	334	454
Spirit	334	355	331	354	390	414	465	491
Total	884	957	1 010	1 105	1 226	1 345	1 582	1 802
Total food and beverage								
Minimally transformed	313	287	403	359	379	441	551	574
Substantially transformed	4 614	4 919	5 390	5 504	6 119	6 435	7 430	8 167
Elaborately transformed	143	172	204	217	228	259	338	396
Total	5 069	5 378	5 996	6 080	6 725	7 135	8 319	9 138

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

6.2 Australian food imports from APEC member countries

	2000-01 \$m	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m
Minimally transformed								
Live animals except fish	0	0	0	0	0	0	1	0
Fish or shellfish	36	37	41	42	44	46	56	63
Horticulture								
Vegetables	23	22	25	31	28	36	39	46
Fruit and nuts	81	97	93	113	138	164	152	191
Total	104	119	118	145	167	200	191	237
Grains	0	0	11	0	0	0	1	1
Oilseeds	19	17	36	32	16	10	40	19
Food nec	52	33	33	32	45	51	58	75
Substantially and elaborately transformed								
Meat								
Meat processing	64	118	107	109	224	188	272	238
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	25	29	30	31	30	34	32	34
Total	89	148	138	140	254	222	304	272
Seafood	592	588	616	579	603	660	764	762
Dairy								
Milk and cream processing	36	28	33	34	43	44	38	65
Ice cream	16	12	20	19	22	23	27	29
Other dairy products	183	190	186	179	205	248	275	404
Total	235	230	239	232	271	315	339	498
Fruit and vegetables	397	411	460	453	464	481	570	685
Oil and fat	119	131	155	171	167	196	200	253
Flour mill and cereal food								
Flour mill products	70	16	30	50	58	38	22	47
Cereal food and baking mix	118	142	149	170	191	199	170	243
Total	188	158	179	220	250	237	192	290
Bakery products								
Bread, cake and pastry	63	64	75	82	91	100	113	118
Biscuit	50	66	89	85	99	111	145	155
Total	113	130	164	168	190	211	258	273
Other food								
Sugar	8	10	13	10	12	13	16	17
Confectionery	108	102	112	113	138	144	157	194
Food nec	540	581	627	588	639	687	709	771
Total	657	694	751	711	789	844	882	982
Beverage and malt								
Soft drink, cordial and syrup	75	74	90	83	93	104	120	126
Beer and malt	14	19	22	30	39	58	67	89
Wine	22	37	54	59	85	114	161	217
Spirit	144	148	130	145	162	181	211	212
Total	256	278	296	317	378	457	560	644
Total food and beverage								
Minimally transformed	212	206	239	252	272	307	347	395
Substantially transformed	2 558	2 670	2 877	2 880	3 239	3 483	3 891	4 447
Elaborately transformed	87	98	120	111	126	140	180	212
Total	2 857	2 975	3 236	3 243	3 638	3 931	4 417	5 054

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

Australian food imports

6.3 Australian food imports from ASEAN member countries

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	0	0	0	0	0	0	0	0
Fish or shellfish	1	1	1	1	1	1	2	2
Horticulture								
Vegetables	3	3	3	3	4	4	3	4
Fruit and nuts	2	3	2	3	5	6	7	5
Total	5	6	6	6	9	10	10	9
Grains	0	0	0	0	0	0	0	0
Oilseeds	1	1	0	0	0	0	0	0
Food nec	33	21	27	25	27	33	46	52
Substantially and elaborately transformed								
Meat								
Meat processing	0	0	0	0	0	0	0	0
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Seafood	373	372	399	380	434	476	523	535
Dairy								
Milk and cream processing	0	0	0	3	2	3	3	5
Ice cream	4	1	0	2	1	0	0	0
Other dairy products	0	0	0	0	1	1	1	1
Total	4	1	0	5	4	4	4	6
Fruit and vegetables	123	118	142	133	150	164	164	179
Oil and fat	103	112	125	135	135	158	173	230
Flour mill and cereal food								
Flour mill products	2	2	7	8	6	6	2	4
Cereal food and baking mix	62	54	63	83	117	120	85	130
Total	64	56	70	91	123	125	88	133
Bakery products								
Bread, cake and pastry	9	15	22	20	21	24	30	29
Biscuit	25	24	30	25	27	31	37	38
Total	34	39	52	45	48	55	66	67
Other food								
Sugar	2	3	5	3	2	3	4	4
Confectionery	14	15	21	20	18	18	23	30
Food nec	172	205	244	219	228	218	242	260
Total	189	223	269	242	248	240	269	295
Beverage and malt								
Soft drink, cordial and syrup	4	8	6	7	7	10	12	17
Beer and malt	1	1	2	3	5	7	7	14
Wine	0	0	0	1	0	0	0	1
Spirit	0	0	0	0	0	0	1	5
Total	5	9	8	11	12	17	20	36
Total food and beverage								
Minimally transformed	40	29	34	32	37	45	59	64
Substantially transformed	869	906	1 036	1 015	1 128	1 207	1 269	1 437
Elaborately transformed	26	24	30	26	27	32	38	44
Total	934	959	1 100	1 073	1 193	1 283	1 366	1 545

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

6.4 Australian food imports from NAFTA member countries

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	0	0	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0	0	0
Horticulture								
Vegetables	4	4	5	6	3	5	8	12
Fruit and nuts	31	34	35	46	60	61	67	90
Total	35	38	40	52	64	66	75	102
Grains	0	0	11	0	0	0	1	1
Oilseeds	5	5	21	19	5	3	28	5
Food nec	2	2	3	1	2	2	3	3
Substantially and elaborately transformed								
Meat								
Meat processing	57	112	99	95	194	158	251	223
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	12	14	13	12	14	14	17	18
Total	69	126	112	107	207	172	268	242
Seafood	69	51	62	47	52	58	64	47
Dairy								
Milk and cream processing	0	0	0	0	1	1	2	3
Ice cream	1	1	1	2	2	3	3	3
Other dairy products	6	6	6	4	5	6	15	64
Total	7	7	8	7	8	10	20	70
Fruit and vegetables	132	116	119	119	107	117	141	170
Oil and fat	4	4	5	21	17	22	13	7
Flour mill and cereal food								
Flour mill products	59	5	6	26	35	19	6	11
Cereal food and baking mix	13	27	18	25	7	10	14	23
Total	72	32	23	51	42	29	20	34
Bakery products								
Bread, cake and pastry	26	12	9	11	14	11	8	9
Biscuit	6	10	8	11	14	11	9	8
Total	32	22	17	22	28	22	17	17
Other food								
Sugar	3	4	2	2	2	2	2	2
Confectionery	42	21	16	14	19	18	20	21
Food nec	96	91	98	111	122	145	153	152
Total	140	116	115	126	142	165	176	176
Beverage and malt								
Soft drink, cordial and syrup	13	19	39	13	12	12	12	15
Beer and malt	10	13	16	22	25	45	53	67
Wine	1	1	1	4	2	2	2	2
Spirit	97	109	115	123	142	153	164	167
Total	120	142	171	162	182	213	231	251
Total food and beverage								
Minimally transformed	42	45	74	73	71	72	107	111
Substantially transformed	624	600	621	647	770	793	937	1 001
Elaborately transformed	23	15	13	14	17	14	12	12
Total	688	661	708	734	857	879	1 056	1 125

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

Australian food imports

6.5 Australian food imports from EU member countries

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	0	0	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	1	0	0	0
Horticulture								
Vegetables	1	1	1	1	1	1	1	2
Fruit and nuts	9	8	10	9	7	6	15	8
Total	10	9	11	10	8	7	16	9
Grains	0	0	53	0	0	0	0	0
Oilseeds	0	0	0	0	0	1	1	1
Food nec	3	3	3	3	4	4	4	3
Substantially and elaborately transformed								
Meat								
Meat processing	41	88	65	115	121	101	173	142
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	5	5	7	6	7	6	7	13
Total	46	93	72	121	128	107	181	156
Seafood	39	38	43	40	45	45	55	49
Dairy								
Milk and cream processing	2	2	1	1	1	1	2	1
Ice cream	5	3	2	3	6	6	13	7
Other dairy products	65	69	69	75	81	85	99	128
Total	71	74	72	79	89	92	115	137
Fruit and vegetables	150	178	203	223	221	218	249	282
Oil and fat	132	115	160	143	151	189	225	166
Flour mill and cereal food								
Flour mill products	6	3	7	6	10	10	8	11
Cereal food and baking mix	63	68	67	61	67	79	122	173
Total	69	71	75	67	76	89	130	184
Bakery products								
Bread, cake and pastry	26	22	27	30	24	33	43	48
Biscuit	25	33	52	60	55	64	78	78
Total	51	55	79	90	79	98	121	126
Other food								
Sugar	2	2	3	2	3	2	3	2
Confectionery	90	90	100	117	134	150	169	196
Food nec	214	224	222	203	238	260	317	317
Total	306	317	326	322	374	412	488	514
Beverage and malt								
Soft drink, cordial and syrup	48	265	317	376	393	444	477	504
Beer and malt	38	46	56	60	58	50	56	69
Wine	68	76	83	98	112	130	168	219
Spirit	170	188	185	186	209	218	238	257
Total	323	575	642	720	773	841	938	1 048
Total food and beverage								
Minimally transformed	13	12	67	14	13	12	21	14
Substantially transformed	1 149	1 461	1 605	1 721	1 865	2 004	2 387	2 529
Elaborately transformed	39	53	65	84	70	87	115	133
Total	1 202	1 527	1 737	1 819	1 949	2 104	2 523	2 675

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

6.6 Australian total food imports, by selected destination

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Brazil	79	63	92	78	120	129
Canada	148	157	209	176	254	222
China	285	305	380	416	552	634
France	122	150	165	194	224	279
India	111	110	118	122	144	160
Indonesia	131	106	117	117	140	163
Ireland	330	396	402	468	510	536
Italy	290	291	328	364	427	438
Malaysia	210	209	227	250	279	361
Netherlands	115	93	109	137	169	184
New Zealand	1 067	1 105	1 218	1 359	1 472	1 734
Papua New Guinea	28	30	31	34	38	36
Singapore	136	159	174	164	127	160
Spain	139	128	129	144	194	174
Thailand	418	384	404	450	483	554
United Kingdom	353	260	288	272	298	299
United States	506	527	595	631	721	810
Viet Nam	154	168	219	245	279	251

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Australian food imports

6.7 Australian food imports from selected countries

	New Zealand		United States		Thailand	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	53	61	0	0	0	1
Horticulture						
Vegetables	15	16	6	8	2	3
Fruit and nuts	63	76	66	89	4	4
Total	77	93	72	97	6	7
Grains	0	0	1	0	0	0
Oilseeds	1	1	1	0	0	0
Food nec	0	1	1	1	0	0
Substantially and elaborately transformed						
Meat						
Meat processing	18	12	99	96	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	14	14	17	18	0	0
Total	32	27	116	114	0	0
Seafood	141	139	40	30	278	295
Dairy						
Milk and cream processing	32	56	1	2	0	0
Ice cream	15	16	1	1	0	0
Other dairy products	252	333	15	64	0	0
Total	298	405	17	67	0	0
Fruit and vegetables	166	194	119	134	48	65
Oil and fat	5	6	12	5	7	5
Flour mill and cereal food						
Flour mill products	9	6	3	4	2	2
Cereal food and baking mix	30	37	13	23	60	97
Total	39	43	17	27	62	99
Bakery products						
Bread, cake and pastry	54	54	5	6	10	8
Biscuit	54	58	6	5	11	10
Total	107	112	11	11	21	17
Other food						
Sugar	0	1	2	2	1	1
Confectionery	68	92	18	17	1	1
Food nec	203	230	131	131	52	55
Total	272	322	152	151	54	56
Beverage and malt						
Soft drink, cordial and syrup	75	78	8	9	1	2
Beer and malt	4	6	6	11	4	5
Wine	157	212	2	2	0	0
Spirit	42	34	148	150	0	2
Total	279	330	163	172	5	8
Total food and beverage						
Minimally transformed	133	156	75	99	7	8
Substantially transformed	1 260	1 478	639	705	466	537
Elaborately transformed	79	101	8	7	11	10
Total	1 472	1 734	721	810	483	554

Continued

6.7 Australian food imports from selected countries *continued*

	Ireland		Italy		United Kingdom	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
Horticulture						
Vegetables	0	0	0	0	0	0
Fruit and nuts	0	0	8	6	0	0
Total	0	0	8	6	0	0
Grains	0	0	0	0	0	0
Oilseeds	0	0	0	0	0	0
Food nec	2	1	0	1	1	0
Substantially and elaborately transformed						
Meat						
Meat processing	0	0	0	2	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	1	2	0	0
Total	0	0	1	3	0	0
Seafood	0	0	6	5	6	4
Dairy						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	3	1	3	0
Other dairy products	0	1	26	32	3	2
Total	0	1	29	33	6	2
Fruit and vegetables	0	0	86	99	10	9
Oil and fat	0	0	79	47	1	1
Flour mill and cereal food						
Flour mill products	0	0	0	1	2	2
Cereal food and baking mix	57	104	31	40	12	11
Total	57	104	31	41	14	12
Bakery products						
Bread, cake and pastry	0	0	11	14	8	11
Biscuit	0	0	7	7	25	26
Total	0	0	18	21	33	37
Other food						
Sugar	0	0	0	0	1	0
Confectionery	1	2	30	32	22	18
Food nec	7	9	70	71	58	50
Total	8	11	100	103	81	68
Beverage and malt						
Soft drink, cordial and syrup	386	377	24	25	3	2
Beer and malt	9	5	4	8	3	2
Wine	0	0	34	41	1	1
Spirit	47	36	5	7	140	160
Total	442	418	68	80	146	165
Total food and beverage						
Minimally transformed	2	1	9	7	1	1
Substantially transformed	508	534	408	422	265	268
Elaborately transformed	0	0	10	10	33	30
Total	510	536	427	438	298	299

Continued

Australian food imports

6.7 Australian food imports from selected countries *continued*

	Malaysia		Singapore		China	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
Horticulture						
Vegetables	0	0	0	0	12	11
Fruit and nuts	0	0	0	0	17	19
Total	0	0	0	0	29	31
Grains	0	0	0	0	1	1
Oilseeds	0	0	0	0	9	12
Food nec	0	0	0	1	10	9
Substantially and elaborately transformed						
Meat						
Meat processing	0	0	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	1	0
Total	0	0	0	0	1	0
Seafood	39	55	5	4	156	133
Dairy						
Milk and cream processing	0	0	3	4	0	0
Ice cream	0	0	0	0	7	8
Other dairy products	0	0	0	0	0	0
Total	0	1	3	4	7	8
Fruit and vegetables	3	3	9	8	155	193
Oil and fat	140	198	19	23	5	5
Flour mill and cereal food						
Flour mill products	1	1	0	0	4	25
Cereal food and baking mix	3	11	5	6	19	29
Total	3	12	5	6	23	54
Bakery products						
Bread, cake and pastry	8	9	6	6	15	20
Biscuit	9	11	6	6	38	41
Total	17	19	11	12	52	61
Other food						
Sugar	3	3	0	0	8	9
Confectionery	1	1	16	21	40	45
Food nec	66	57	51	72	48	64
Total	70	62	68	93	95	117
Beverage and malt						
Soft drink, cordial and syrup	6	6	2	3	5	5
Beer and malt	0	3	3	5	1	1
Wine	0	0	0	0	0	0
Spirit	0	0	0	0	1	4
Total	6	9	5	9	7	9
Total food and beverage						
Minimally transformed	1	1	0	1	49	52
Substantially transformed	269	349	120	149	461	537
Elaborately transformed	9	11	6	11	41	44
Total	279	361	127	160	552	634

Continued

6.7 Australian food imports from selected countries *continued*

	Indonesia		France		Spain	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	1	1	0	0	0	0
Horticulture						
Vegetables	0	0	0	0	0	0
Fruit and nuts	0	0	1	0	4	1
Total	0	0	2	0	4	1
Grains	0	0	0	0	0	0
Oilseeds	0	0	0	0	0	0
Food nec	9	27	0	0	0	0
Substantially and elaborately transformed						
Meat						
Meat processing	0	0	0	0	1	2
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	1	1	0	0
Total	0	0	1	1	1	2
Seafood	27	22	1	2	2	2
Dairy						
Milk and cream processing	0	0	1	0	0	0
Ice cream	0	0	0	0	3	2
Other dairy products	0	0	12	19	0	1
Total	0	0	12	19	3	2
Fruit and vegetables	8	8	20	21	29	29
Oil and fat	6	3	1	0	125	101
Flour mill and cereal food						
Flour mill products	0	0	1	3	0	0
Cereal food and baking mix	7	10	5	4	1	4
Total	7	10	6	7	1	4
Bakery products						
Bread, cake and pastry	5	5	2	1	0	0
Biscuit	9	10	3	4	0	1
Total	14	15	5	5	1	1
Other food						
Sugar	0	0	1	0	0	0
Confectionery	3	3	19	18	11	8
Food nec	62	66	14	15	13	16
Total	66	70	33	33	24	24
Beverage and malt						
Soft drink, cordial and syrup	2	5	5	7	0	0
Beer and malt	0	0	1	1	0	1
Wine	0	0	120	160	5	7
Spirit	0	3	18	21	0	1
Total	2	8	144	189	6	9
Total food and beverage						
Minimally transformed	10	28	2	1	4	1
Substantially transformed	120	125	218	274	189	172
Elaborately transformed	10	11	4	4	2	2
Total	140	163	224	279	194	174

Continued

Australian food imports

6.7 Australian food imports from selected countries *continued*

	Canada		Viet Nam		Brazil	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	1	0	0
Horticulture						
Vegetables	0	0	0	0	0	0
Fruit and nuts	0	0	3	0	0	0
Total	0	0	3	0	0	0
Grains	0	0	0	0	0	0
Oilseeds	25	4	0	0	4	0
Food nec	0	1	36	24	25	28
Substantially and elaborately transformed						
Meat						
Meat processing	152	127	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	1	2
Total	152	127	0	0	1	2
Seafood	24	17	154	142	0	0
Dairy						
Milk and cream processing	0	0	0	0	0	0
Ice cream	2	2	0	0	0	0
Other dairy products	0	0	0	0	0	0
Total	3	3	0	0	0	0
Fruit and vegetables	16	29	72	71	75	74
Oil and fat	1	2	0	0	1	9
Flour mill and cereal food						
Flour mill products	2	6	0	0	0	0
Cereal food and baking mix	1	1	2	2	0	0
Total	3	7	2	2	0	0
Bakery products						
Bread, cake and pastry	0	0	1	1	0	0
Biscuit	0	0	1	1	1	0
Total	0	1	2	2	1	0
Other food						
Sugar	0	0	0	0	0	0
Confectionery	1	2	1	1	5	3
Food nec	20	18	7	7	8	9
Total	21	20	8	8	13	11
Beverage and malt						
Soft drink, cordial and syrup	5	6	0	0	0	0
Beer and malt	0	1	0	0	0	0
Wine	0	0	0	0	0	0
Spirit	4	5	0	0	0	3
Total	9	11	1	1	0	3
Total food and beverage						
Minimally transformed	26	5	40	24	28	29
Substantially transformed	228	217	238	225	89	100
Elaborately transformed	0	1	1	1	2	1
Total	254	222	279	251	120	129

Continued

6.7 Australian food imports from selected countries *continued*

	Netherlands		India		Papua New Guinea	
	2006-07	2007-08	2006-07	2007-08	2006-07	2007-08
	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
Horticulture						
Vegetables	1	1	0	0	0	0
Fruit and nuts	0	0	0	0	0	0
Total	1	1	0	0	0	0
Grains	0	0	0	0	0	0
Oilseeds	0	0	7	10	1	1
Food nec	0	0	13	14	30	28
Substantially and elaborately transformed						
Meat						
Meat processing	0	0	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	5	8	0	0	0	0
Total	5	8	0	0	0	0
Seafood	2	2	27	15	4	5
Dairy						
Milk and cream processing	1	1	0	0	0	0
Ice cream	0	0	0	0	0	0
Other dairy products	10	11	1	1	0	0
Total	11	12	1	1	0	0
Fruit and vegetables	20	29	31	38	0	0
Oil and fat	1	1	2	4	0	0
Flour mill and cereal food						
Flour mill products	2	2	3	2	0	0
Cereal food and baking mix	2	1	11	19	1	0
Total	4	2	14	21	1	0
Bakery products						
Bread, cake and pastry	3	3	3	4	0	0
Biscuit	10	9	3	4	1	0
Total	14	12	6	8	1	0
Other food						
Sugar	0	0	0	1	0	0
Confectionery	14	13	2	2	0	0
Food nec	71	70	41	43	1	1
Total	85	82	43	46	1	1
Beverage and malt						
Soft drink, cordial and syrup	3	4	1	1	0	0
Beer and malt	19	22	0	0	0	0
Wine	2	2	0	1	0	0
Spirit	4	6	0	0	1	1
Total	27	33	1	2	1	1
Total food and beverage						
Minimally transformed	1	2	20	24	32	30
Substantially transformed	152	167	121	132	6	7
Elaborately transformed	15	14	3	4	1	0
Total	169	184	144	160	38	36

Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

World food exports

7.1 Value of world trade in processed food, major exporting countries ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share ^b %
Meat						
Australia	3 455	4 804	5 236	5 351	5 495	6.7
Denmark	3 961	4 687	4 655	4 939	5 276	6.5
France	3 675	3 990	4 049	4 117	4 645	5.6
Netherlands	4 911	5 726	6 010	6 547	8 134	8.6
United States	7 379	5 275	6 700	7 313	9 141	9.9
Other	31 836	39 031	47 246	50 543	58 855	62.7
Total	55 217	63 513	73 896	78 811	91 546	100.0
Dairy						
Australia	1 349	1 746	1 859	1 829	2 021	3.9
France	4 664	5 224	5 378	5 574	6 893	12.4
Germany	5 327	6 301	6 795	6 993	9 050	15.4
Netherlands	4 358	4 721	4 649	4 859	5 936	11.0
New Zealand	2 771	3 317	3 665	4 046	5 550	8.6
Other	15 551	19 334	21 350	22 975	29 805	48.7
Total	34 020	40 643	43 695	46 276	59 255	100.0
Seafood						
Australia	74	77	77	72	75	0.5
China	1 923	2 594	3 177	4 216	4 490	22.1
Denmark	533	593	634	699	783	4.4
Korea, Rep. of	203	207	184	153	118	1.2
Thailand	2 145	2 253	2 497	2 994	3 168	17.6
Other	6 548	7 262	7 971	8 853	9 515	54.2
Total	11 427	12 986	14 540	16 986	18 149	100.0
Horticulture						
Australia	177	178	186	190	205	0.5
China	2 684	3 207	3 857	4 681	6 483	11.4
Italy	2 178	2 332	2 315	2 459	3 021	6.7
Netherlands	2 452	2 729	2 765	3 195	4 243	8.4
United States	2 379	2 497	2 710	3 042	3 416	7.6
Other	18 645	21 063	22 865	26 193	31 346	65.4
Total	28 516	32 005	34 698	39 760	48 714	100.0
Beverages ^c						
Australia	1 646	2 088	2 201	2 184	2 570	3.6
France	10 381	11 183	11 406	13 023	14 964	20.7
Germany	2 824	3 148	3 626	4 234	4 962	6.4
Italy	4 237	4 897	5 066	5 444	6 452	8.9
United Kingdom	5 721	6 179	6 360	6 858	8 193	11.3
Other	22 222	25 541	27 612	31 367	37 917	49.1
Total	47 031	53 036	56 271	63 109	75 058	100.0
Sugar and confectionery						
Australia	259	317	306	326	341	0.8
Belgium–Luxembourg	2 270	2 578	2 908	3 378	3 372	7.8
Brazil	2 442	2 987	4 275	6 513	5 433	11.6
France	2 373	2 617	2 583	2 888	3 112	7.3
Germany	2 785	3 218	3 562	3 935	4 473	9.6
Other	18 167	20 230	22 763	26 675	29 327	62.9
Total	28 295	31 947	36 397	43 715	46 058	100.0

Continued

7.1 Value of world trade in processed food, major exporting countries ^a

continued

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Argentina	2 842	3 171	3 307	3 896	5 517	8.4
Australia	260	319	292	305	420	0.7
Malaysia	6 503	7 195	6 701	7 729	11 788	17.9
Netherlands	2 005	2 333	2 417	3 045	3 974	6.2
United States	2 108	2 115	1 960	2 211	3 202	5.2
Other	19 329	23 862	25 669	29 461	38 470	61.5
Total	33 048	38 995	40 347	46 647	63 371	100.0
Animal feed ^d						
Argentina	3 500	3 835	4 032	4 660	6 197	14.0
Australia	540	707	584	642	624	2.0
Brazil	2 713	3 402	2 998	2 590	3 191	9.4
Netherlands	2 144	2 808	2 943	3 143	3 757	9.3
United States	4 159	3 981	4 203	4 701	5 720	14.3
Other	12 568	14 451	15 468	17 131	21 401	51.0
Total	25 625	29 185	30 229	32 867	40 890	100.0
Cereal products						
Australia	364	448	448	468	577	1.6
Belgium–Luxembourg	1 981	2 283	2 305	2 442	2 994	8.4
France	2 178	2 549	2 609	2 724	3 255	9.3
Germany	2 431	2 993	3 210	3 630	4 228	11.5
Italy	2 351	2 669	2 791	2 947	3 259	9.8
Other	13 045	14 977	16 690	18 255	22 383	59.5
Total	22 350	25 920	28 051	30 464	36 696	100.0
Other processed food						
Australia	300	333	330	328	349	0.6
Brazil	1 836	2 420	3 330	3 854	4 568	5.9
France	1 959	2 223	2 351	2 514	3 074	4.4
Netherlands	2 488	3 256	3 346	3 457	4 052	6.1
United States	3 935	4 339	4 752	5 347	5 567	8.8
Other	29 914	35 222	40 736	45 215	51 047	74.2
Total	40 432	47 791	54 844	60 715	68 657	100.0
All processed food						
Australia	8 424	11 017	11 518	11 693	12 678	2.6
France	28 956	31 967	32 820	35 872	41 968	8.1
Germany	25 923	30 495	34 731	38 581	45 540	8.3
Netherlands	23 830	27 438	28 072	31 305	38 388	7.0
United States	25 761	24 920	27 524	31 062	37 801	6.9
Other	212 991	251 130	278 303	310 836	372 018	67.1
Total	325 885	376 966	412 968	459 349	548 393	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2003–2007. ^c Alcoholic and nonalcoholic. ^d Excludes unmilled cereal. ^p Preliminary.

Source: International Trade Centre UNCTAD/WTO; ABARE.

World food exports

7.2 Value of food exports, European Union

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share b %
Minimally transformed						
Live animals except fish	5 704	6 794	7 738	8 419	8 930	2.5
Fish or shellfish						
Fish, live or fresh	7 078	8 116	9 204	10 156	10 981	3.1
Fish, dried, salted or smoked	910	1 136	1 236	1 462	1 690	0.4
Shellfish	3 039	3 364	3 484	3 893	4 386	1.2
Horticulture						
Vegetables	14 467	15 353	15 951	17 794	21 172	5.7
Fruit and nuts	14 528	15 944	17 922	19 101	22 436	6.1
Cocoa	2 654	2 756	2 770	2 784	3 345	1.0
Eggs, albumin	1 395	1 494	1 502	1 727	2 223	0.6
Grains and oilseeds						
Barley	1 688	1 421	1 903	1 636	3 198	0.7
Maize	2 030	2 389	2 517	2 496	3 689	0.9
Oilseeds, not soft oil	268	326	378	370	608	0.1
Oilseeds, soft oil	2 013	2 454	2 345	2 653	3 915	0.9
Rice	893	981	1 006	1 051	1 300	0.4
Wheat or meslin	4 736	4 661	4 956	5 908	7 638	1.9
Other cereal grains, nec	381	488	535	512	608	0.2
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	6 268	7 393	8 285	9 630	10 638	2.8
Meat, fresh, chilled or frozen	15 438	19 001	20 893	22 058	25 553	6.9
Meat or offal, preserved	2 084	2 255	2 183	2 561	3 147	0.8
Meat or offal, preserved, nec	4 368	5 175	5 828	6 426	7 707	2.0
Dairy						
Milk products, excluding butter and cheese	11 782	13 684	14 479	15 034	20 396	5.1
Butter and cheese	2 548	3 066	3 045	2 854	3 694	1.0
Cheese and curd	11 449	13 224	13 870	15 030	17 735	4.8
Fish or shellfish	3 019	3 323	3 535	3 948	4 697	1.2
Cereal products						
Flour or meal from wheat or meslin	1 018	1 108	973	1 009	1 311	0.4
Cereal flour or meal, nec	182	190	192	220	276	0.1
Cereal etc, flour or starch	13 288	15 621	16 409	17 859	21 023	5.7
Horticulture						
Vegetables, prepared or preserved	7 661	8 610	8 752	9 711	11 853	3.1
Fruit, prepared or preserved	3 532	3 944	4 101	4 600	5 697	1.5
Fruit or vegetable juices	3 698	3 880	4 197	5 171	6 363	1.6
Sugar and confectionery						
Sugar, molasses and honey	4 322	5 010	6 078	7 205	6 588	2.0
Sugar confectionery	2 826	3 171	3 233	3 316	3 813	1.1
Chocolate and cocoa preparations	6 940	8 165	8 467	9 631	11 862	3.0

Continued

7.2 Value of food exports, European Union *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	1 189	1 368	1 561	1 756	2 183	0.5
Animal oil or fat	836	1 185	1 117	1 230	1 458	0.4
Vegetable oil or fat, fixed, soft	5 923	6 859	7 741	8 850	9 994	2.6
Vegetable oils, fixed, not soft	1 031	1 322	1 440	1 745	2 207	0.5
Animal or vegetable oils, processed	1 894	2 205	2 094	2 260	2 713	0.8
Other food						
Coffee and coffee substitutes	3 000	3 699	4 662	5 389	6 473	1.6
Tea and mate	660	740	777	929	1 083	0.3
Spices	630	665	653	725	875	0.2
Edible products, nec	13 619	16 173	17 683	19 418	23 364	6.1
Beverage						
Beverages, nonalcoholic, nec	5 824	6 798	7 391	8 815	10 094	2.6
Alcoholic beverages	28 945	31 747	32 892	36 570	43 929	11.7
Animal feed b	9 288	10 999	11 614	12 730	15 585	4.1
Total	235 046	268 261	287 593	316 640	378 430	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO; ABARE.

World food exports

7.3 Value of food exports, NAFTA

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	2 201	1 728	2 459	3 186	3 490	2.6
Fish or shellfish						
Fish, live or fresh	3 302	3 688	4 121	4 254	4 255	3.9
Fish, dried, salted or smoked	234	235	272	242	241	0.2
Shellfish	2 832	2 989	2 958	3 079	3 298	3.0
Horticulture						
Vegetables	5 822	6 505	7 141	7 957	8 821	7.1
Fruit and nuts	5 785	6 591	7 839	8 397	9 376	7.5
Cocoa	248	276	257	262	293	0.3
Eggs, albumin	223	263	287	294	360	0.3
Grains and oilseeds						
Barley	228	293	379	294	612	0.4
Maize	5 022	6 205	5 102	7 386	10 302	6.7
Oilseeds, not soft oil	337	456	630	608	796	0.6
Oilseeds, soft oil	9 575	8 661	8 219	9 451	13 549	9.7
Rice	1 033	1 171	1 295	1 289	1 405	1.2
Wheat or meslin	6 080	7 916	6 684	7 534	12 877	8.1
Other cereal grains, nec	857	849	825	1 032	1 668	1.0
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	4 073	2 018	2 421	2 666	3 095	2.8
Meat, fresh, chilled or frozen	5 267	6 157	7 536	7 394	8 868	6.9
Meat or offal, preserved	289	325	285	302	260	0.3
Meat or offal, preserved, nec	834	764	907	999	1 126	0.9
Dairy						
Milk products, excluding butter and cheese	688	986	1 139	1 312	2 017	1.2
Butter and cheese	38	61	65	50	144	0.1
Cheese and curd	220	266	268	324	471	0.3
Fish or shellfish	811	904	941	980	915	0.9
Cereal products						
Flour or meal from wheat or meslin	180	181	164	176	280	0.2
Cereal flour or meal, nec	155	172	165	202	292	0.2
Cereal etc, flour or starch	3 234	3 547	3 997	4 612	5 323	4.1
Horticulture						
Vegetables, prepared or preserved	2 034	2 323	2 394	2 517	2 788	2.4
Fruit, prepared or preserved	906	989	1 141	1 391	1 607	1.2
Fruit or vegetable juices	866	860	1 001	1 118	1 317	1.0
Sugar and confectionery						
Sugar, molasses and honey	743	804	1 020	1 566	1 636	1.1
Sugar confectionery	982	1 009	1 111	1 153	1 232	1.1
Chocolate and cocoa preparations	1 306	1 383	1 444	1 542	1 688	1.5

Continued

7.3 Value of food exports, NAFTA *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^a %
Animal and vegetable oil						
Margarine and shortening	123	142	169	187	322	0.2
Animal oil or fat	640	730	653	718	1 078	0.8
Vegetable oil or fat, fixed, soft	1 503	1 602	1 375	1 782	2 595	1.7
Vegetable oils, fixed, not soft	183	293	335	339	337	0.3
Animal or vegetable oils, processed	385	472	408	403	504	0.4
Other food						
Coffee and coffee substitutes	786	842	975	1 174	1 302	1.0
Tea and mate	153	187	198	214	253	0.2
Spices	138	147	122	129	135	0.1
Edible products, nec	4 525	5 218	5 834	6 473	6 703	5.7
Beverage						
Beverages, nonalcoholic, nec	871	895	998	1 083	1 152	1.0
Alcoholic beverages	3 905	4 328	4 478	5 274	5 659	4.7
Animal feed ^b	4 847	4 781	4 967	5 541	6 687	5.3
Total	84 460	90 214	94 980	106 890	131 130	100.0

^a Average, 2003–2007. ^b Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO.

World food exports

7.4 Value of food exports, APEC ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share b %
Minimally transformed						
Live animals except fish	3 429	2 983	3 764	4 501	5 013	1.8
Fish or shellfish						
Fish, live or fresh	10 406	11 931	13 536	15 267	14 917	6.0
Fish, dried, salted or smoked	879	974	1 011	1 011	980	0.4
Shellfish	9 955	10 660	10 725	11 091	9 719	4.7
Horticulture						
Vegetables	9 237	10 554	11 618	13 383	14 551	5.4
Fruit and nuts	10 858	12 490	14 379	15 506	17 065	6.3
Cocoa	1 461	1 493	1 633	1 887	2 233	0.8
Eggs, albumin	356	411	455	471	586	0.2
Grains and oilseeds						
Barley	884	1 355	1 149	1 153	1 499	0.5
Maize	6 931	6 775	6 329	7 987	11 421	3.6
Oilseeds, not soft oil	423	603	767	767	947	0.3
Oilseeds, soft oil	10 533	9 809	9 353	10 389	14 434	4.9
Rice	4 178	5 127	5 335	5 764	5 524	2.3
Wheat or meslin	8 701	11 652	10 131	11 611	18 613	5.5
Other cereal grains, nec	989	986	937	1 162	1 865	0.5
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	7 433	6 744	7 372	7 619	8 145	3.4
Meat, fresh, chilled or frozen	10 072	10 809	12 709	12 671	14 844	5.5
Meat or offal, preserved	328	367	318	345	299	0.1
Meat or offal, preserved, nec	2 325	2 564	3 282	3 547	4 019	1.4
Dairy						
Milk products, excluding butter and cheese	3 906	4 851	5 580	6 150	8 445	2.6
Butter and cheese	724	861	913	933	1 247	0.4
Cheese and curd	1 298	1 653	1 753	1 850	2 316	0.8
Fish or shellfish	6 306	7 507	8 602	10 436	10 680	3.9
Cereal products						
Flour or meal from wheat or meslin	479	520	523	539	814	0.3
Cereal flour or meal, nec	234	264	267	315	409	0.1
Cereal etc, flour or starch	4 872	5 474	6 152	7 023	8 199	2.9
Horticulture						
Vegetables, prepared or preserved	4 378	5 080	5 572	6 314	7 385	2.6
Fruit, prepared or preserved	3 008	3 416	3 849	4 549	5 304	1.8
Fruit or vegetable juices	1 672	1 818	2 154	2 536	3 426	1.0
Sugar and confectionery						
Sugar, molasses and honey	2 500	2 459	2 757	3 566	4 342	1.4
Sugar confectionery	1 762	1 925	2 150	2 322	2 526	1.0
Chocolate and cocoa preparations	1 912	2 131	2 269	2 426	2 782	1.0

Continued

7.4 Value of food exports, APEC ^a continued

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	504	693	667	756	1 157	0.3
Animal oil or fat	1 000	1 224	1 126	1 259	1 795	0.6
Vegetable oil or fat, fixed, soft	1 864	2 084	2 041	2 804	3 658	1.1
Vegetable oils, fixed, not soft	9 027	10 832	10 810	12 543	19 908	5.7
Animal or vegetable oils, processed	2 098	2 702	2 615	2 991	4 284	1.3
Other food						
Coffee and coffee substitutes	2 185	2 596	3 066	4 114	3 077	1.4
Tea and mate	778	989	1 055	1 183	1 191	0.5
Spices	1 003	1 266	1 186	1 254	1 264	0.5
Edible products, nec	8 559	10 108	11 644	12 869	13 966	5.2
Beverage						
Beverages, nonalcoholic, nec	1 614	1 877	1 998	2 124	2 388	0.9
Alcoholic beverages	7 829	9 252	9 860	11 259	13 153	4.6
Animal feed ^c	8 064	8 616	9 014	9 978	12 263	4.3
Total	176 958	198 482	212 423	238 221	282 654	100.0

^a Not including Chinese Taipei. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.

Source: International Trade Centre, UNCTAD/WTO; ABARE.

World food exports

7.5 Value of food exports, ASEAN ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Minimally transformed						
Live animals except fish	156	132	168	164	209	0.4
Fish or shellfish						
Fish, live or fresh	1 564	1 786	2 019	2 471	1 656	4.1
Fish, dried, salted or smoked	180	191	205	236	179	0.4
Shellfish	4 437	4 557	4 761	5 156	3 510	9.8
Horticulture						
Vegetables	661	869	853	1 080	1 021	2.0
Fruit and nuts	1 391	1 565	1 845	1 914	1 490	3.6
Cocoa	1 083	1 091	1 273	1 518	1 812	3.0
Eggs, albumin	64	54	66	69	99	0.2
Grains and oilseeds						
Barley	0	0	0	0	0	0.0
Maize	47	165	39	77	123	0.2
Oilseeds, not soft oil	25	86	77	91	49	0.1
Oilseeds, soft oil	93	77	76	44	42	0.1
Rice	2 577	3 675	3 769	3 879	3 498	7.6
Wheat or meslin	3	5	3	4	17	0.0
Other cereal grains, nec	13	10	10	11	18	0.0
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	12	9	9	12	15	0.0
Meat, fresh, chilled or frozen	737	151	107	106	122	0.5
Meat or offal, preserved	1	2	3	4	4	0.0
Meat or offal, preserved, nec	545	670	902	1 026	1 228	1.9
Dairy						
Milk products, excluding butter and cheese	554	575	724	742	882	1.5
Butter and cheese	9	11	13	22	36	0.0
Cheese and curd	5	5	6	9	10	0.0
Fish or shellfish	2 651	2 996	3 352	4 012	3 913	7.4
Cereal products						
Flour or meal from wheat or meslin	48	58	70	63	62	0.1
Cereal flour or meal, nec	52	60	61	65	75	0.1
Cereal etc, flour or starch	574	651	742	811	845	1.6
Horticulture						
Vegetables, prepared or preserved	325	365	386	455	441	0.9
Fruit, prepared or preserved	845	968	1 079	1 223	1 210	2.3
Fruit or vegetable juices	326	327	342	409	393	0.8
Sugar and confectionery						
Sugar, molasses and honey	1 262	1 126	1 066	1 138	1 710	2.7
Sugar confectionery	255	281	290	351	401	0.7
Chocolate and cocoa preparations	177	203	215	258	316	0.5

Continued

7.5 Value of food exports, ASEAN ^a continued

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	258	414	350	407	610	0.9
Animal oil or fat	15	21	23	18	18	0.0
Vegetable oil or fat, fixed, soft	169	216	193	224	274	0.5
Vegetable oils, fixed, not soft	8 616	10 312	10 401	12 142	19 494	26.5
Animal or vegetable oils, processed	1 579	2 080	2 067	2 436	3 583	5.1
Other food						
Coffee and coffee substitutes	995	1 224	1 590	2 184	1 045	3.1
Tea and mate	181	244	255	277	163	0.5
Spices	517	567	498	598	546	1.2
Edible products, nec	1 335	1 669	2 059	2 330	2 567	4.3
Beverage						
Beverages, nonalcoholic, nec	215	258	285	322	393	0.6
Alcoholic beverages	641	850	988	1 274	1 676	2.4
Animal feed ^c	800	872	933	1 128	1 545	2.3
Total	35 992	41 448	44 174	50 763	57 301	100.0

^a No data available for Laos and Myanmar. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO; ABARE.

World food exports

7.6 Value of food exports, United States ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share b %
Minimally transformed						
Live animals except fish	792	519	671	755	749	1.1
Fish or shellfish						
Fish, live or fresh	2 138	2 507	2 774	2 861	2 896	4.1
Fish, dried, salted or smoked	61	61	73	64	60	0.1
Shellfish	728	740	821	916	909	1.3
Horticulture						
Vegetables	1 954	2 045	2 312	2 574	2 892	3.6
Fruit and nuts	4 668	5 266	6 279	6 702	7 263	9.3
Cocoa	212	231	216	216	238	0.3
Eggs, albumin	164	197	228	235	293	0.3
Grains and oilseeds						
Barley	103	38	89	57	161	0.1
Maize	4 972	6 138	5 039	7 300	10 100	10.4
Oilseeds, not soft oil	124	263	406	405	498	0.5
Oilseeds, soft oil	8 303	7 173	6 713	7 384	10 621	12.4
Rice	1 031	1 169	1 291	1 285	1 396	1.9
Wheat or meslin	3 958	5 181	4 382	4 230	8 345	8.1
Other cereal grains, nec	615	611	564	654	1 118	1.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	3 069	528	848	1 429	1 897	2.4
Meat, fresh, chilled or frozen	3 570	4 079	5 037	4 970	6 245	7.4
Meat or offal, preserved	135	155	159	183	133	0.2
Meat or offal, preserved, nec	604	512	657	730	866	1.0
Dairy						
Milk products, excluding butter and cheese	480	815	939	1 084	1 764	1.6
Butter and cheese	20	21	24	21	118	0.1
Cheese and curd	158	201	204	249	395	0.4
Fish or shellfish	356	417	421	428	435	0.6
Cereal products						
Flour or meal from wheat or meslin	88	77	59	64	142	0.1
Cereal flour or meal, nec	106	113	93	130	192	0.2
Cereal etc, flour or starch	1 503	1 634	1 876	2 160	2 520	3.0
Horticulture						
Vegetables, prepared or preserved	1 100	1 211	1 273	1 362	1 543	2.0
Fruit, prepared or preserved	546	589	666	785	876	1.1
Fruit or vegetable juices	733	697	772	895	996	1.3
Sugar and confectionery						
Sugar, molasses and honey	413	461	545	760	1 086	1.0
Sugar confectionery	303	285	294	297	326	0.5
Chocolate and cocoa preparations	512	560	607	680	775	1.0

Continued

7.6 Value of food exports, United States ^a *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	96	110	125	136	234	0.2
Animal oil or fat	548	575	495	530	863	0.9
Vegetable oil or fat, fixed, soft	1 002	813	764	942	1 408	1.5
Vegetable oils, fixed, not soft	165	266	285	295	283	0.4
Animal or vegetable oils, processed	296	352	290	307	414	0.5
Other food						
Coffee and coffee substitutes	403	440	497	607	665	0.8
Tea and mate	74	79	83	119	156	0.2
Spices	75	85	68	71	78	0.1
Edible products, nec	3 383	3 735	4 104	4 550	4 668	6.3
Beverage						
Beverages, nonalcoholic, nec	401	415	482	558	651	0.8
Alcoholic beverages	1 463	1 715	1 653	2 018	2 352	2.8
Animal feed ^c	4 159	3 981	4 203	4 701	5 720	7.0
Total	55 585	57 058	59 380	66 699	85 341	100.0

^a Includes Puerto Rico and the US Virgin Islands. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO.

World food exports

7.7 Value of food exports, France

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	1 894	1 963	2 138	2 207	2 274	4.4
Fish or shellfish						
Fish, live or fresh	675	765	832	849	930	1.7
Fish, dried, salted or smoked	55	63	59	62	81	0.1
Shellfish	339	379	376	406	481	0.8
Horticulture						
Vegetables	1 561	1 689	1 766	1 929	2 366	3.9
Fruit and nuts	1 666	1 692	1 766	1 824	2 015	3.7
Cocoa	498	470	408	473	546	1.0
Eggs, albumin	213	233	203	225	276	0.5
Grains and oilseeds						
Barley	772	802	796	656	1 187	1.8
Maize	1 330	1 436	1 495	1 321	1 523	3.0
Oilseeds, not soft oil	16	18	19	14	14	0.0
Oilseeds, soft oil	636	720	603	750	930	1.5
Rice	54	75	60	60	62	0.1
Wheat or meslin	2 304	2 536	2 405	2 694	3 522	5.6
Other cereal grains, nec	59	48	57	68	62	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	900	951	992	1 127	1 241	2.2
Meat, fresh, chilled or frozen	2 088	2 365	2 383	2 272	2 580	4.9
Meat or offal, preserved	123	127	116	117	130	0.3
Meat or offal, preserved, nec	564	547	557	601	694	1.2
Dairy						
Milk products, excluding butter and cheese	2 076	2 245	2 354	2 474	3 297	5.2
Butter and cheese	224	259	275	230	296	0.5
Cheese and curd	2 363	2 720	2 749	2 870	3 299	5.9
Fish or shellfish	206	243	261	280	360	0.6
Cereal products						
Flour or meal from wheat or meslin	240	245	208	230	314	0.5
Cereal flour or meal, nec	65	62	60	63	74	0.1
Cereal etc, flour or starch	1 872	2 241	2 341	2 431	2 866	4.9
Horticulture						
Vegetables, prepared or preserved	798	882	879	992	1 183	2.0
Fruit, prepared or preserved	297	347	352	385	469	0.8
Fruit or vegetable juices	197	143	156	200	239	0.4
Sugar and confectionery						
Sugar, molasses and honey	1 304	1 341	1 461	1 677	1 639	3.1
Sugar confectionery	213	250	243	224	242	0.5
Chocolate and cocoa preparations	857	1 026	879	987	1 231	2.1

Continued

7.7 Value of food exports, France *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	34	45	44	49	60	0.1
Animal oil or fat	149	204	173	194	256	0.4
Vegetable oil or fat, fixed, soft	402	468	598	707	787	1.2
Vegetable oils, fixed, not soft	42	39	45	62	76	0.1
Animal or vegetable oils, processed	76	85	81	91	116	0.2
Other food						
Coffee and coffee substitutes	236	231	245	260	303	0.5
Tea and mate	46	46	42	45	50	0.1
Spices	109	101	91	108	109	0.2
Edible products, nec	1 569	1 845	1 973	2 101	2 612	4.2
Beverage						
Beverages, nonalcoholic, nec	1 181	1 368	1 373	1 649	1 682	3.0
Alcoholic beverages	9 200	9 816	10 033	11 375	13 282	22.4
Animal feed b	1 525	1 724	1 856	2 074	2 478	4.0
Total	41 029	44 854	45 805	49 414	58 238	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.
Source: International Trade Centre, UNCTAD/WTO.

World food exports

7.8 Value of food exports, Netherlands

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	760	1 032	1 183	1 433	1 545	2.8
Fish or shellfish						
Fish, live or fresh	1 059	1 223	1 347	1 386	1 594	3.1
Fish, dried, salted or smoked	43	53	55	61	68	0.1
Shellfish	356	430	464	513	591	1.1
Horticulture						
Vegetables	4 187	4 295	4 248	5 053	6 085	11.1
Fruit and nuts	1 678	2 052	2 363	2 590	3 207	5.5
Cocoa	1 345	1 566	1 629	1 581	1 887	3.7
Eggs, albumin	454	519	516	596	796	1.3
Grains and oilseeds						
Barley	28	38	73	36	89	0.1
Maize	47	54	51	59	74	0.1
Oilseeds, not soft oil	51	83	98	106	186	0.2
Oilseeds, soft oil	440	533	443	452	611	1.2
Rice	70	46	82	84	113	0.2
Wheat or meslin	29	42	42	44	115	0.1
Other cereal grains, nec	20	26	27	24	69	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	1 480	1 739	1 924	2 130	2 522	4.6
Meat, fresh, chilled or frozen	2 426	2 905	3 095	3 351	4 236	7.4
Meat or offal, preserved	536	589	490	542	734	1.3
Meat or offal, preserved, nec	470	493	502	524	642	1.2
Dairy						
Milk products, excluding butter and cheese	1 632	1 715	1 683	1 740	2 290	4.2
Butter and cheese	674	725	585	546	610	1.5
Cheese and curd	2 051	2 281	2 381	2 573	3 036	5.7
Fish or shellfish	352	379	353	410	444	0.9
Cereal products						
Flour or meal from wheat or meslin	79	98	64	81	56	0.2
Cereal flour or meal, nec	10	13	15	18	12	0.0
Cereal etc, flour or starch	927	993	961	1 157	1 352	2.5
Horticulture						
Vegetables, prepared or preserved	1 600	1 776	1 708	1 854	2 416	4.3
Fruit, prepared or preserved	310	415	428	504	695	1.1
Fruit or vegetable juices	543	538	629	837	1 132	1.7
Sugar and confectionery						
Sugar, molasses and honey	424	510	530	655	736	1.3
Sugar confectionery	344	363	398	405	404	0.9
Chocolate and cocoa preparations	822	849	907	996	1 258	2.2

Continued

7.8 Value of food exports, Netherlands *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	274	316	350	371	420	0.8
Animal oil or fat	87	132	114	122	143	0.3
Vegetable oil or fat, fixed, soft	689	688	788	964	1 294	2.1
Vegetable oils, fixed, not soft	490	655	658	961	1 277	1.9
Animal or vegetable oils, processed	465	542	506	628	840	1.4
Other food						
Coffee and coffee substitutes	176	396	410	388	348	0.8
Tea and mate	46	64	72	93	97	0.2
Spices	105	114	127	142	202	0.3
Edible products, nec	2 160	2 681	2 736	2 833	3 405	6.4
Beverage						
Beverages, nonalcoholic, nec	589	701	707	940	1 396	2.0
Alcoholic beverages	1 925	1 959	2 006	2 397	2 633	5.1
Animal feed b	2 144	2 808	2 943	3 143	3 757	6.9
Total	34 398	39 429	40 693	45 324	55 418	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

World food exports

7.9 Value of food exports, Germany

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	623	790	1 006	993	975	2.1
Fish or shellfish						
Fish, live or fresh	400	457	700	832	776	1.5
Fish, dried, salted or smoked	73	85	98	130	149	0.3
Shellfish	90	107	119	133	154	0.3
Horticulture						
Vegetables	559	626	770	895	1 049	1.9
Fruit and nuts	583	766	1 061	1 271	1 427	2.5
Cocoa	110	142	170	219	258	0.4
Eggs, albumin	138	151	219	227	237	0.5
Grains and oilseeds						
Barley	413	145	428	312	665	1.0
Maize	167	225	184	193	213	0.5
Oilseeds, not soft oil	13	14	15	13	19	0.0
Oilseeds, soft oil	165	225	144	187	264	0.5
Rice	45	45	51	51	58	0.1
Wheat or meslin	680	712	766	1 041	1 165	2.1
Other cereal grains, nec	125	212	211	225	158	0.5
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	1 131	1 357	1 472	1 770	1 661	3.6
Meat, fresh, chilled or frozen	1 753	2 224	3 048	3 448	4 054	7.1
Meat or offal, preserved	116	139	191	338	395	0.6
Meat or offal, preserved, nec	677	914	1 276	1 481	1 761	3.0
Dairy						
Milk products, excluding butter and cheese	2 949	3 570	3 877	3 700	4 923	9.3
Butter and cheese	228	277	283	268	406	0.7
Cheese and curd	2 150	2 454	2 635	3 025	3 721	6.8
Fish or shellfish	468	492	539	599	773	1.4
Cereal products						
Flour or meal from wheat or meslin	159	186	160	177	222	0.4
Cereal flour or meal, nec	21	24	24	30	31	0.1
Cereal etc, flour or starch	2 251	2 783	3 026	3 423	3 975	7.6
Horticulture						
Vegetables, prepared or preserved	592	661	776	913	1 010	1.9
Fruit, prepared or preserved	564	652	704	738	822	1.7
Fruit or vegetable juices	648	713	753	841	984	1.9
Sugar and confectionery						
Sugar, molasses and honey	745	813	1 065	1 063	1 010	2.3
Sugar confectionery	488	561	597	638	746	1.5
Chocolate and cocoa preparations	1 552	1 844	1 900	2 234	2 717	5.0

Continued

7.9 Value of food exports, Germany *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	128	115	142	206	265	0.4
Animal oil or fat	147	196	199	223	247	0.5
Vegetable oil or fat, fixed, soft	648	747	664	657	614	1.6
Vegetable oils, fixed, not soft	167	213	238	211	247	0.5
Animal or vegetable oils, processed	502	565	570	611	731	1.5
Other food						
Coffee and coffee substitutes	1 005	1 191	1 670	1 931	2 354	4.0
Tea and mate	126	160	176	207	246	0.4
Spices	112	129	126	146	159	0.3
Edible products, nec	2 142	2 457	2 941	3 263	3 898	7.2
Beverage						
Beverages, nonalcoholic, nec	838	964	1 070	1 384	1 547	2.8
Alcoholic beverages	1 986	2 185	2 556	2 849	3 415	6.4
Animal feed b	1 631	1 909	2 052	2 207	2 606	5.1
Total	30 106	35 197	40 673	45 305	53 107	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.
Source: International Trade Centre, UNCTAD/WTO.

World food exports

7.10 Value of food exports, Belgium–Luxembourg

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	338	368	412	368	377	1.4
Fish or shellfish						
Fish, live or fresh	316	361	404	437	447	1.5
Fish, dried, salted or smoked	13	17	15	15	19	0.1
Shellfish	269	309	346	453	466	1.4
Horticulture						
Vegetables	1 668	1 710	1 783	1 960	2 295	7.0
Fruit and nuts	1 944	2 269	2 777	2 731	3 089	9.5
Cocoa	175	223	252	258	334	0.9
Eggs, albumin	151	149	133	124	134	0.5
Grains and oilseeds						
Barley	25	16	63	38	53	0.1
Maize	43	54	36	61	128	0.2
Oilseeds, not soft oil	76	70	73	76	163	0.3
Oilseeds, soft oil	79	84	90	127	140	0.4
Rice	139	162	139	152	207	0.6
Wheat or meslin	113	174	127	157	251	0.6
Other cereal grains, nec	10	10	9	13	29	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	425	493	505	572	662	2.0
Meat, fresh, chilled or frozen	1 804	2 312	2 316	2 445	2 666	8.6
Meat or offal, preserved	127	142	136	139	160	0.5
Meat or offal, preserved, nec	584	662	665	679	776	2.5
Dairy						
Milk products, excluding butter and cheese	1 399	1 669	1 571	1 589	2 125	6.2
Butter and cheese	373	429	475	456	644	1.8
Cheese and curd	494	570	586	618	716	2.2
Fish or shellfish	165	171	183	201	222	0.7
Cereal products						
Flour or meal from wheat or meslin	207	222	201	196	285	0.8
Cereal flour or meal, nec	5	4	5	7	9	0.0
Cereal etc, flour or starch	1 769	2 057	2 099	2 239	2 700	8.1
Horticulture						
Vegetables, prepared or preserved	845	1 036	1 042	1 211	1 613	4.3
Fruit, prepared or preserved	300	337	326	379	459	1.3
Fruit or vegetable juices	673	693	778	1 123	1 283	3.4
Sugar and confectionery						
Sugar, molasses and honey	531	529	813	1 017	578	2.6
Sugar confectionery	338	380	405	470	562	1.6
Chocolate and cocoa preparations	1 402	1 670	1 690	1 892	2 233	6.6

Continued

7.10 Value of food exports, Belgium–Luxembourg *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	294	333	345	373	503	1.4
Animal oil or fat	71	117	107	113	134	0.4
Vegetable oil or fat, fixed, soft	445	457	464	579	740	2.0
Vegetable oils, fixed, not soft	90	113	173	128	128	0.5
Animal or vegetable oils, processed	259	291	247	232	264	1.0
Other food						
Coffee and coffee substitutes	308	395	515	607	655	1.8
Tea and mate	57	50	54	67	72	0.2
Spices	28	29	27	30	43	0.1
Edible products, nec	964	1 231	1 254	1 277	1 390	4.5
Beverage						
Beverages, nonalcoholic, nec	606	676	731	852	978	2.8
Alcoholic beverages	659	844	894	963	1 580	3.7
Animal feed b	939	1 020	1 040	1 077	1 408	4.1
Total	21 518	24 909	26 305	28 499	33 721	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.1 Value of food trade in processed food, by major importing countries ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share ^b %
Meat						
Australia	153	210	279	287	393	0.4
Germany	4 356	5 022	6 096	6 407	7 070	8.3
Italy	3 806	4 441	4 847	5 516	5 937	7.0
Japan	8 655	9 124	9 746	8 415	8 761	12.8
United Kingdom	5 477	6 478	6 777	7 165	8 202	9.8
Other	32 511	37 513	42 817	47 367	55 502	61.7
Total	54 958	62 789	70 560	75 159	85 865	100.0
Dairy						
Australia	200	256	297	325	394	0.7
Belgium–Luxembourg	2 401	2 726	2 655	2 760	3 491	6.6
Germany	4 093	4 519	4 557	5 286	6 437	11.7
Italy	3 030	3 492	3 518	3 613	4 459	8.5
Netherlands	2 257	2 532	2 584	2 711	3 418	6.4
Other	21 453	25 586	27 751	29 513	35 882	66.1
Total	33 435	39 112	41 363	44 207	54 081	100.0
Seafood						
Australia	215	234	277	302	360	2.0
France	810	891	936	982	1 147	6.8
Japan	2 170	2 707	2 614	2 672	2 551	18.1
United Kingdom	842	945	990	1 063	1 286	7.3
United States	2 362	2 576	2 749	3 104	2 974	19.6
Other	5 064	5 578	6 387	7 141	8 461	46.4
Total	11 462	12 932	13 954	15 264	16 779	100.0
Horticulture						
Australia	322	408	422	474	632	1.2
France	2 450	2 845	2 881	3 170	3 859	8.4
Germany	3 858	4 145	4 509	4 910	5 471	12.6
Japan	2 463	2 803	3 019	3 169	3 395	8.2
United States	3 907	4 282	4 758	5 283	6 375	13.6
Other	15 682	17 641	19 164	21 953	26 992	56.0
Total	28 682	32 124	34 754	38 958	46 724	100.0
Beverages ^c						
Australia	458	577	649	789	1 002	1.2
Germany	3 770	4 025	4 599	5 024	5 527	7.9
Japan	2 075	2 309	2 231	2 461	2 543	4.0
United Kingdom	5 424	6 540	6 763	6 952	8 074	11.7
United States	11 244	12 085	13 356	15 336	16 779	23.8
Other	22 487	26 269	28 553	31 740	39 655	51.4
Total	45 459	51 804	56 152	62 301	73 579	100.0
Sugar and confectionery						
Australia	214	253	293	304	408	0.8
France	1 849	2 147	2 063	2 168	2 762	5.9
Germany	2 336	2 587	2 657	2 729	3 129	7.2
United Kingdom	2 132	2 574	2 822	2 884	3 334	7.4
United States	3 400	3 476	3 943	4 640	4 206	10.6
Other	19 311	21 467	25 412	29 689	31 161	68.2
Total	29 242	32 503	37 190	42 413	44 999	100.0

Continued

8.1 Value of food trade in processed food, by major importing countries ^a

continued

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Australia	246	295	302	386	475	0.8
Germany	1 664	2 102	2 520	3 648	4 194	6.5
Italy	2 069	2 610	2 742	3 107	3 340	6.4
United Kingdom	1 144	1 293	1 314	1 599	1 967	3.4
United States	1 707	2 437	2 564	3 049	3 717	6.2
Other	26 106	30 806	31 142	34 333	43 726	76.7
Total	32 936	39 543	40 585	46 122	57 420	100.0
Animal feed ^d						
Australia	202	197	219	253	422	0.8
China	659	947	1 306	1 298	1 280	3.2
France	1 800	1 973	1 942	1 893	2 354	5.8
Germany	1 846	2 158	2 295	2 513	2 881	6.8
Japan	2 309	2 533	2 602	2 767	2 931	7.7
Other	20 504	24 749	24 479	26 713	32 877	75.7
Total	27 320	32 557	32 841	35 436	42 745	100.0
Cereal products						
Australia	187	235	269	316	390	1.0
France	1 725	2 000	2 037	2 125	2 564	7.7
Germany	1 693	1 874	2 121	2 211	2 446	7.6
United Kingdom	1 515	1 878	1 873	1 995	2 561	7.2
United States	2 634	2 883	3 181	3 541	3 959	11.9
Other	13 929	16 239	16 913	18 529	22 736	64.7
Total	21 683	25 110	26 394	28 718	34 656	100.0
Other processed food						
Australia	895	1 028	1 166	1 237	1 498	2.1
France	2 260	2 446	2 666	2 988	3 619	5.0
Germany	3 419	4 071	4 934	5 630	6 429	8.8
Japan	2 391	2 771	3 210	3 142	3 221	5.3
United States	4 980	5 686	6 567	7 283	8 045	11.7
Other	28 333	32 696	36 707	41 246	48 001	67.1
Total	42 279	48 699	55 249	61 526	70 813	100.0
All processed food						
Australia	3 093	3 693	4 173	4 369	5 612	1.0
Germany	27 695	31 174	35 060	39 208	44 554	8.5
Japan	23 217	25 840	27 238	26 552	27 969	6.3
United Kingdom	24 920	29 621	30 821	32 849	38 660	7.5
United States	36 781	41 696	45 470	50 153	54 396	10.9
Other	211 750	245 148	266 280	296 973	356 472	65.8
Total	327 456	377 172	409 042	450 104	527 663	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2003–2007. ^c Alcoholic and nonalcoholic. ^d Excludes unmilled cereal. ^p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.2 Value of total food trade imports, by level of transformation

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share b %
Minimally transformed						
Live animals except fish	9 453	10 503	12 503	13 981	15 198	1.8
Fish or shellfish						
Fish, live or fresh	29 551	32 881	37 129	42 053	45 066	5.6
Fish, dried, salted or smoked	2 851	3 149	3 442	3 747	4 328	0.5
Shellfish	20 066	21 130	21 692	23 329	24 109	3.3
Horticulture						
Vegetables	27 738	30 822	33 571	37 607	43 233	5.2
Fruit and nuts	40 721	46 261	51 768	56 020	63 284	7.7
Cocoa	9 649	9 111	9 703	9 845	12 033	1.5
Eggs, albumin	1 889	2 130	2 265	2 396	2 920	0.3
Grains and oilseeds						
Barley	2 830	3 462	3 898	3 855	5 830	0.6
Maize	11 817	13 521	12 684	14 031	22 279	2.2
Oilseeds, not soft oil	949	1 169	1 244	1 294	1 710	0.2
Oilseeds, soft oil	21 523	25 219	24 345	23 992	34 243	3.9
Rice	7 045	8 164	8 595	9 151	9 772	1.3
Wheat or meslin	16 964	20 073	18 501	21 760	28 186	3.1
Other cereal grains, nec	1 747	1 847	1 711	1 936	2 941	0.3
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	16 153	17 952	20 029	22 456	25 086	3.0
Meat, fresh, chilled or frozen	29 016	33 750	37 887	38 708	44 172	5.5
Meat or offal, preserved	2 539	2 514	2 486	2 800	3 661	0.4
Meat or offal, preserved, nec	7 249	8 573	10 159	11 195	12 947	1.5
Dairy						
Milk products, excluding butter and cheese	16 628	19 512	20 863	22 509	28 332	3.2
Butter and cheese	3 622	4 179	4 310	4 367	5 044	0.6
Cheese and curd	13 184	15 421	16 189	17 331	20 706	2.5
Fish or shellfish	11 462	12 932	13 954	15 264	16 779	2.1
Cereal products						
Flour or meal from wheat or meslin	1 546	1 873	1 561	1 651	2 287	0.3
Cereal flour or meal, nec	561	667	569	627	844	0.1
Cereal etc, flour or starch	19 576	22 569	24 264	26 441	31 526	3.7
Horticulture						
Vegetables, prepared or preserved	12 453	14 293	15 032	16 537	19 415	2.3
Fruit, prepared or preserved	8 197	9 430	10 488	11 626	13 376	1.6
Fruit or vegetable juices	8 032	8 401	9 234	10 796	13 934	1.5
Sugar and confectionery						
Sugar, molasses and honey	14 410	15 470	18 809	22 641	22 079	2.8
Sugar confectionery	5 266	5 886	6 268	6 473	7 178	0.9
Chocolate and cocoa preparations	9 567	11 147	12 114	13 299	15 742	1.8

Continued

8.2 Value of total food trade imports, by level of transformation *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	1 657	2 069	2 171	2 430	3 157	0.3
Animal oil or fat	2 125	2 550	2 510	2 720	3 393	0.4
Vegetable oil or fat, fixed, soft	13 437	15 911	16 628	19 359	23 078	2.6
Vegetable oils, fixed, not soft	11 791	14 437	14 382	16 263	21 019	2.3
Animal or vegetable oils, processed	3 927	4 575	4 893	5 350	6 772	0.8
Other food						
Coffee and coffee substitutes	10 750	12 199	15 941	18 329	21 795	2.4
Tea and mate	3 206	3 543	3 795	4 101	4 169	0.6
Spices	3 017	3 206	3 007	3 186	3 755	0.5
Edible products, nec	25 306	29 751	32 507	35 910	41 095	4.9
Beverage						
Beverages, nonalcoholic, nec	7 574	8 872	9 982	11 532	13 955	1.6
Alcoholic beverages	37 884	42 932	46 169	50 769	59 624	7.1
Animal feed ^c	27 320	32 557	32 841	35 436	42 745	5.1
Total	532 249	606 612	652 094	715 102	842 795	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.

Source: International Trade Centre, UNCTAD/WTO; ABARE.

World food imports

8.3 Value of food imports, European Union

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	4 853	5 710	6 636	7 601	7 813	2.1
Fish or shellfish						
Fish, live or fresh	11 662	13 039	14 993	17 677	19 706	4.9
Fish, dried, salted or smoked	1 543	1 769	1 942	2 186	2 656	0.6
Shellfish	6 964	7 306	7 984	8 874	9 458	2.6
Horticulture						
Vegetables	14 977	16 762	18 076	19 971	24 031	6.0
Fruit and nuts	22 892	26 139	28 981	30 707	35 180	9.1
Cocoa	5 552	4 961	5 266	5 181	6 728	1.8
Eggs, albumin	1 202	1 297	1 391	1 550	1 897	0.5
Grains and oilseeds						
Barley	962	1 337	1 170	1 285	1 778	0.4
Maize	2 670	3 144	2 954	3 258	6 401	1.2
Oilseeds, not soft oil	531	594	619	616	887	0.2
Oilseeds, soft oil	7 273	7 836	6 978	7 187	10 188	2.5
Rice	1 297	1 505	1 428	1 545	1 958	0.5
Wheat or meslin	4 180	4 550	4 668	5 060	7 539	1.7
Other cereal grains, nec	462	554	488	574	1 325	0.2
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	6 577	8 084	9 092	10 794	12 123	3.0
Meat, fresh, chilled or frozen	13 648	16 666	19 147	19 986	22 634	5.8
Meat or offal, preserved	2 076	2 014	1 974	2 308	3 140	0.7
Meat or offal, preserved, nec	4 186	5 102	5 940	6 589	7 987	1.9
Dairy						
Milk products, excluding butter and cheese	9 591	11 128	11 530	12 372	16 438	3.9
Butter and cheese	2 583	2 844	2 780	3 038	3 612	0.9
Cheese and curd	9 290	10 851	11 153	12 262	14 634	3.7
Fish or shellfish	4 904	5 313	5 878	6 475	7 714	1.9
Cereal products						
Flour or meal from wheat or meslin	464	498	503	559	838	0.2
Cereal flour or meal, nec	148	197	170	195	268	0.1
Cereal etc, flour or starch	10 348	12 360	13 179	14 265	17 385	4.3
Horticulture						
Vegetables, prepared or preserved	6 545	7 477	7 729	8 338	10 222	2.6
Fruit, prepared or preserved	4 454	5 159	5 659	6 155	7 112	1.8
Fruit or vegetable juices	4 859	4 989	5 304	6 272	7 881	1.9
Sugar and confectionery						
Sugar, molasses and honey	5 730	6 835	7 503	7 782	8 933	2.3
Sugar confectionery	2 355	2 700	2 889	2 933	3 412	0.9
Chocolate and cocoa preparations	5 723	6 684	7 145	7 829	9 552	2.3

Continued

8.3 Value of food imports, European Union *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	911	1 081	1 131	1 237	1 541	0.4
Animal oil or fat	739	987	957	1 023	1 267	0.3
Vegetable oil or fat, fixed, soft	5 150	6 110	7 218	9 703	10 705	2.5
Vegetable oils, fixed, not soft	3 245	4 009	4 288	4 587	6 410	1.4
Animal or vegetable oils, processed	2 016	2 357	2 358	2 612	3 289	0.8
Other food						
Coffee and coffee substitutes	5 417	6 314	8 168	9 607	11 642	2.6
Tea and mate	995	1 088	1 088	1 232	1 361	0.4
Spices	981	1 017	997	1 067	1 371	0.3
Edible products, nec	11 112	13 170	13 969	15 573	18 812	4.6
Beverage						
Beverages, nonalcoholic, nec	3 999	4 669	5 194	5 948	7 315	1.7
Alcoholic beverages	18 061	21 008	21 892	23 227	27 862	7.1
Animal feed b	14 175	16 463	16 297	17 434	21 784	5.5
Total	247 301	283 679	304 705	334 672	404 791	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO. ABARE.

World food imports

8.4 Value of food imports, NAFTA

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	1 869	1 649	2 372	2 916	3 471	2.4
Fish or shellfish						
Fish, live or fresh	4 430	4 722	5 219	5 948	6 515	5.1
Fish, dried, salted or smoked	227	230	268	284	310	0.3
Shellfish	5 801	5 709	5 914	6 265	6 392	5.8
Horticulture						
Vegetables	5 401	5 964	6 413	7 146	7 850	6.3
Fruit and nuts	7 501	8 213	9 182	10 041	11 337	8.9
Cocoa	1 782	1 842	1 983	1 836	1 759	1.8
Eggs, albumin	98	126	103	120	137	0.1
Grains and oilseeds						
Barley	83	88	31	50	143	0.1
Maize	1 284	1 140	1 096	1 594	2 352	1.4
Oilseeds, not soft oil	146	206	257	253	357	0.2
Oilseeds, soft oil	1 947	2 254	1 933	2 023	2 629	2.1
Rice	498	622	569	737	876	0.6
Wheat or meslin	716	788	795	1 026	1 381	0.9
Other cereal grains, nec	694	687	633	702	821	0.7
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	3 814	4 388	4 607	4 344	4 682	4.2
Meat, fresh, chilled or frozen	2 738	3 417	3 725	3 764	4 059	3.4
Meat or offal, preserved	292	310	285	265	284	0.3
Meat or offal, preserved, nec	937	1 003	1 120	1 290	1 378	1.1
Dairy						
Milk products, excluding butter and cheese	796	944	1 223	1 174	1 762	1.1
Butter and cheese	179	343	387	233	288	0.3
Cheese and curd	1 272	1 415	1 498	1 516	1 723	1.4
Fish or shellfish	2 706	2 970	3 200	3 606	3 536	3.1
Cereal products						
Flour or meal from wheat or meslin	100	109	113	133	173	0.1
Cereal flour or meal, nec	97	117	118	127	165	0.1
Cereal etc, flour or starch	4 020	4 354	4 800	5 408	6 166	4.7
Horticulture						
Vegetables, prepared or preserved	2 275	2 580	2 700	2 922	3 197	2.6
Fruit, prepared or preserved	1 738	1 933	2 227	2 573	2 945	2.2
Fruit or vegetable juices	1 361	1 365	1 612	1 837	2 578	1.7
Sugar and confectionery						
Sugar, molasses and honey	1 619	1 622	2 030	3 024	2 490	2.1
Sugar confectionery	1 463	1 514	1 580	1 605	1 663	1.5
Chocolate and cocoa preparations	1 650	1 802	1 935	2 113	2 259	1.9

Continued

8.4 Value of food imports, NAFTA *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^a %
Animal and vegetable oil						
Margarine and shortening	88	103	122	146	230	0.1
Animal oil or fat	303	390	371	394	563	0.4
Vegetable oil or fat, fixed, soft	1 357	1 882	1 895	2 196	2 594	1.9
Vegetable oils, fixed, not soft	647	915	1 047	1 246	1 698	1.1
Animal or vegetable oils, processed	388	477	491	490	550	0.5
Other food						
Coffee and coffee substitutes	2 511	2 879	3 761	4 215	4 733	3.5
Tea and mate	403	447	500	564	613	0.5
Spices	812	779	667	703	870	0.7
Edible products, nec	3 858	4 482	5 176	5 639	6 049	4.8
Beverage						
Beverages, nonalcoholic, nec	1 353	1 591	1 836	2 368	2 752	1.9
Alcoholic beverages	11 883	12 723	14 123	16 056	17 670	13.9
Animal feed ^b	2 028	2 345	2 319	2 677	3 190	2.4
Total	85 163	93 440	102 235	113 571	127 189	100.0

^a Average, 2003–2007. ^b Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.5 Value of food imports, APEC ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Minimally transformed						
Live animals except fish	3 054	2 890	3 651	4 395	5 210	1.5
Fish or shellfish						
Fish, live or fresh	15 429	17 471	19 441	20 434	21 681	7.6
Fish, dried, salted or smoked	1 033	1 103	1 153	1 130	1 202	0.5
Shellfish	12 663	13 301	13 170	13 859	13 980	5.4
Horticulture						
Vegetables	8 832	9 989	10 888	12 305	13 561	4.5
Fruit and nuts	13 546	15 133	16 991	19 059	21 702	6.9
Cocoa	3 201	3 261	3 485	3 707	4 078	1.4
Eggs, albumin	368	458	473	459	548	0.2
Grains and oilseeds						
Barley	703	789	821	783	956	0.3
Maize	5 563	6 467	5 751	6 869	9 652	2.7
Oilseeds, not soft oil	249	380	443	466	627	0.2
Oilseeds, soft oil	11 705	14 443	14 103	13 890	19 850	5.9
Rice	1 965	2 386	2 464	2 954	3 656	1.1
Wheat or meslin	4 479	6 868	5 831	5 853	7 027	2.4
Other cereal grains, nec	1 068	1 114	1 002	1 069	1 295	0.4
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	8 346	8 266	9 185	9 632	10 614	3.7
Meat, fresh, chilled or frozen	12 590	13 589	14 953	14 920	17 626	5.9
Meat or offal, preserved	361	380	366	355	377	0.1
Meat or offal, preserved, nec	2 498	2 801	3 426	3 802	4 101	1.3
Dairy						
Milk products, excluding butter and cheese	3 350	4 131	4 765	4 935	6 711	1.9
Butter and cheese	570	790	874	724	873	0.3
Cheese and curd	2 593	3 109	3 504	3 513	4 209	1.4
Fish or shellfish	5 774	6 719	7 006	7 568	7 583	2.8
Cereal products						
Flour or meal from wheat or meslin	314	369	427	484	634	0.2
Cereal flour or meal, nec	172	203	195	214	273	0.1
Cereal etc, flour or starch	6 266	6 835	7 435	8 212	9 404	3.1
Horticulture						
Vegetables, prepared or preserved	4 647	5 315	5 624	6 148	6 796	2.3
Fruit, prepared or preserved	3 136	3 519	3 987	4 523	5 162	1.6
Fruit or vegetable juices	2 355	2 452	2 878	3 287	4 458	1.2
Sugar and confectionery						
Sugar, molasses and honey	4 730	4 569	5 982	8 141	8 002	2.5
Sugar confectionery	2 128	2 263	2 396	2 462	2 593	0.9
Chocolate and cocoa preparations	2 757	3 076	3 344	3 627	4 134	1.4

Continued

8.5 Value of food imports, APEC ^a continued

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	437	592	536	658	968	0.3
Animal oil or fat	814	993	991	1 093	1 459	0.4
Vegetable oil or fat, fixed, soft	3 751	5 161	4 509	4 691	7 021	2.0
Vegetable oils, fixed, not soft	3 794	5 167	5 023	5 914	8 556	2.3
Animal or vegetable oils, processed	965	1 186	1 258	1 559	2 088	0.6
Other food						
Coffee and coffee substitutes	3 983	4 529	5 988	6 693	7 758	2.3
Tea and mate	1 041	1 205	1 287	1 426	1 591	0.5
Spices	1 371	1 478	1 257	1 330	1 647	0.6
Edible products, nec	9 397	11 069	12 323	13 235	14 523	4.8
Beverage						
Beverages, nonalcoholic, nec	2 469	2 902	3 247	3 890	4 474	1.4
Alcoholic beverages	16 709	18 346	20 462	23 133	26 550	8.4
Animal feed ^c	9 150	10 843	11 584	12 734	14 340	4.7
Total	200 327	227 911	244 477	266 138	309 549	100.0

^a No data available for Chinese Taipei. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO; ABARE.

World food imports

8.6 Value of food imports, ASEAN ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share b %
Minimally transformed						
Live animals except fish	387	359	395	411	537	1.6
Fish or shellfish						
Fish, live or fresh	1 364	1 630	1 940	2 135	2 280	7.2
Fish, dried, salted or smoked	66	66	64	76	66	0.3
Shellfish	638	859	700	680	602	2.7
Horticulture						
Vegetables	648	762	855	1 033	1 083	3.4
Fruit and nuts	822	871	991	1 198	1 240	3.9
Cocoa	598	610	633	953	1 150	3.0
Eggs, albumin	64	70	79	78	95	0.3
Grains and oilseeds						
Barley	3	8	10	13	5	0.0
Maize	527	563	482	849	832	2.5
Oilseeds, not soft oil	22	60	65	60	102	0.2
Oilseeds, soft oil	1 156	1 345	1 113	1 020	1 463	4.7
Rice	713	637	925	1 110	1 591	3.8
Wheat or meslin	1 531	1 908	1 948	2 112	2 295	7.5
Other cereal grains, nec	13	12	16	13	19	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	275	375	407	429	539	1.6
Meat, fresh, chilled or frozen	424	456	485	535	684	2.0
Meat or offal, preserved	14	15	20	25	15	0.1
Meat or offal, preserved, nec	83	80	84	95	96	0.3
Dairy						
Milk products, excluding butter and cheese	1 525	1 937	2 179	2 306	3 049	8.4
Butter and cheese	119	178	204	187	229	0.7
Cheese and curd	98	139	138	156	179	0.5
Fish or shellfish	188	220	251	255	303	0.9
Cereal products						
Flour or meal from wheat or meslin	129	153	211	244	327	0.8
Cereal flour or meal, nec	36	46	35	37	42	0.2
Cereal etc, flour or starch	529	591	588	656	657	2.3
Horticulture						
Vegetables, prepared or preserved	231	248	255	293	360	1.1
Fruit, prepared or preserved	135	160	185	198	246	0.7
Fruit or vegetable juices	98	88	95	107	137	0.4
Sugar and confectionery						
Sugar, molasses and honey	851	800	1 265	1 507	1 929	4.9
Sugar confectionery	152	169	172	187	164	0.6
Chocolate and cocoa preparations	174	199	203	246	269	0.8

Continued

8.6 Value of food imports, ASEAN ^a *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	53	58	46	55	56	0.2
Animal oil or fat	45	54	66	75	60	0.2
Vegetable oil or fat, fixed, soft	215	291	276	323	287	1.1
Vegetable oils, fixed, not soft	600	1 073	758	896	893	3.2
Animal or vegetable oils, processed	152	214	278	400	585	1.3
Other food						
Coffee and coffee substitutes	176	212	270	322	494	1.1
Tea and mate	53	62	68	79	81	0.3
Spices	257	316	248	308	396	1.2
Edible products, nec	1 326	1 656	1 885	2 044	2 193	7.0
Beverage						
Beverages, nonalcoholic, nec	144	152	161	214	223	0.7
Alcoholic beverages	788	1 004	1 181	1 414	1 718	4.7
Animal feed ^c	2 374	2 836	3 074	3 353	3 246	11.4
Total	19 796	23 542	25 304	28 685	32 818	100.0

^a No data available for Laos and Myanmar. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO; ABARE.

World food imports

8.7 Value of food imports, United States ^a

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share b %
Minimally transformed						
Live animals except fish	1 654	1 471	2 122	2 642	3 140	3.1
Fish or shellfish						
Fish, live or fresh	3 809	4 012	4 481	5 082	5 491	6.3
Fish, dried, salted or smoked	166	172	190	203	228	0.3
Shellfish	5 251	5 123	5 257	5 566	5 642	7.4
Horticulture						
Vegetables	3 906	4 385	4 639	5 128	5 581	6.5
Fruit and nuts	5 261	5 762	6 386	6 905	7 778	8.9
Cocoa	1 418	1 426	1 647	1 480	1 403	2.0
Eggs, albumin	24	34	23	32	44	0.0
Grains and oilseeds						
Barley	53	74	16	29	105	0.1
Maize	170	140	142	209	335	0.3
Oilseeds, not soft oil	89	104	137	102	164	0.2
Oilseeds, soft oil	190	311	302	367	511	0.5
Rice	242	285	261	368	435	0.4
Wheat or meslin	144	167	179	330	518	0.4
Other cereal grains, nec	249	223	258	317	416	0.4
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	2 461	3 441	3 436	2 915	2 949	4.2
Meat, fresh, chilled or frozen	1 366	1 618	1 672	1 590	1 657	2.2
Meat or offal, preserved	204	215	187	153	178	0.3
Meat or offal, preserved, nec	544	635	665	762	763	0.9
Dairy						
Milk products, excluding butter and cheese	231	282	365	381	394	0.5
Butter and cheese	67	140	148	89	96	0.1
Cheese and curd	931	1 026	1 060	1 069	1 161	1.5
Fish or shellfish	2 362	2 576	2 749	3 104	2 974	3.8
Cereal products						
Flour or meal from wheat or meslin	77	81	79	92	100	0.1
Cereal flour or meal, nec	55	74	78	80	107	0.1
Cereal etc, flour or starch	2 502	2 728	3 025	3 370	3 751	4.3
Horticulture						
Vegetables, prepared or preserved	1 707	1 941	1 997	2 136	2 340	2.8
Fruit, prepared or preserved	1 275	1 415	1 659	1 918	2 186	2.3
Fruit or vegetable juices	926	926	1 102	1 228	1 849	1.7
Sugar and confectionery						
Sugar, molasses and honey	1 122	1 074	1 423	2 048	1 523	2.0
Sugar confectionery	1 172	1 216	1 260	1 269	1 300	1.7
Chocolate and cocoa preparations	1 106	1 185	1 259	1 323	1 383	1.7

Continued

8.7 Value of food imports, United States ^a *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	31	40	50	69	114	0.1
Animal oil or fat	67	80	88	104	131	0.1
Vegetable oil or fat, fixed, soft	930	1 361	1 361	1 660	1 883	2.0
Vegetable oils, fixed, not soft	486	712	803	943	1 302	1.2
Animal or vegetable oils, processed	194	244	261	272	287	0.3
Other food						
Coffee and coffee substitutes	2 075	2 395	3 125	3 462	3 912	4.1
Tea and mate	284	314	353	403	424	0.5
Spices	680	625	501	541	660	0.8
Edible products, nec	1 942	2 353	2 589	2 878	3 049	3.5
Beverage						
Beverages, nonalcoholic, nec	1 056	1 282	1 478	1 944	2 219	2.2
Alcoholic beverages	10 188	10 803	11 878	13 392	14 560	16.8
Animal feed ^c	744	914	821	958	1 141	1.3
Total	59 406	65 385	71 511	78 915	86 186	100.0

^a Includes Puerto Rico and the US Virgin Islands. ^b Average, 2003–2007. ^c Excludes unmilled cereal. ^p Preliminary.
Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.8 Value of food imports, Japan

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	172	189	227	250	268	0.5
Fish or shellfish						
Fish, live or fresh	6 145	6 924	7 143	6 589	6 225	13.4
Fish, dried, salted or smoked	264	254	261	233	244	0.5
Shellfish	4 175	4 347	4 133	4 034	3 749	8.3
Horticulture						
Vegetables	1 575	1 736	1 731	1 713	1 544	3.4
Fruit and nuts	1 922	2 139	2 104	2 006	2 047	4.2
Cocoa	276	248	250	287	371	0.6
Eggs, albumin	103	146	156	111	118	0.3
Grains and oilseeds						
Barley	265	266	270	261	414	0.6
Maize	2 402	2 937	2 582	2 586	3 843	5.8
Oilseeds, not soft oil	11	11	13	10	10	0.0
Oilseeds, soft oil	2 413	2 868	2 381	2 230	2 877	5.2
Rice	250	344	321	303	369	0.6
Wheat or meslin	1 091	1 278	1 228	1 280	1 635	2.7
Other cereal grains, nec	294	339	308	297	385	0.7
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	2 136	1 830	2 006	1 942	2 048	4.1
Meat, fresh, chilled or frozen	5 337	5 909	5 902	4 513	4 680	10.7
Meat or offal, preserved	30	31	31	35	39	0.1
Meat or offal, preserved, nec	1 151	1 354	1 808	1 925	1 994	3.4
Dairy						
Milk products, excluding butter and cheese	193	216	224	219	296	0.5
Butter and cheese	23	16	16	13	49	0.0
Cheese and curd	573	700	734	723	840	1.5
Fish or shellfish	2 170	2 707	2 614	2 672	2 551	5.2
Cereal products						
Flour or meal from wheat or meslin	1	1	2	1	2	0.0
Cereal flour or meal, nec	5	4	4	4	4	0.0
Cereal etc, flour or starch	703	774	788	808	894	1.6
Horticulture						
Vegetables, prepared or preserved	1 315	1 514	1 578	1 645	1 698	3.2
Fruit, prepared or preserved	723	793	848	893	911	1.7
Fruit or vegetable juices	425	496	594	631	786	1.2
Sugar and confectionery						
Sugar, molasses and honey	471	487	569	706	748	1.2
Sugar confectionery	96	109	106	104	106	0.2
Chocolate and cocoa preparations	335	370	380	401	441	0.8

Continued

8.8 Value of food imports, Japan *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^a %
Animal and vegetable oil						
Margarine and shortening	15	18	22	20	22	0.0
Animal oil or fat	103	111	131	109	123	0.2
Vegetable oil or fat, fixed, soft	208	264	318	299	280	0.6
Vegetable oils, fixed, not soft	329	405	392	393	595	0.9
Animal or vegetable oils, processed	98	120	131	127	165	0.3
Other food						
Coffee and coffee substitutes	683	776	1 075	1 143	1 200	2.0
Tea and mate	190	236	210	202	206	0.4
Spices	184	240	216	191	225	0.4
Edible products, nec	1 334	1 519	1 708	1 607	1 589	3.2
Beverage						
Beverages, nonalcoholic, nec	353	447	457	549	564	1.0
Alcoholic beverages	1 722	1 862	1 775	1 912	1 979	3.8
Animal feed ^b	2 309	2 533	2 602	2 767	2 931	5.4
Total	44 574	49 865	50 349	48 744	52 068	100.0

^a Average, 2003–2007. ^b Excludes unmilled cereal. ^p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.9 Value of food imports, Germany

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	517	674	999	1 281	1 215	1.7
Fish or shellfish						
Fish, live or fresh	1 478	1 572	1 877	2 201	2 310	3.5
Fish, dried, salted or smoked	159	147	284	337	384	0.5
Shellfish	207	249	291	316	368	0.5
Horticulture						
Vegetables	3 622	3 731	4 282	4 761	5 067	8.0
Fruit and nuts	4 873	5 376	5 972	6 399	6 942	11.0
Cocoa	920	873	1 010	1 008	1 332	1.9
Eggs, albumin	404	449	550	596	632	1.0
Grains and oilseeds						
Barley	134	128	113	175	316	0.3
Maize	254	363	417	439	669	0.8
Oilseeds, not soft oil	113	108	112	115	136	0.2
Oilseeds, soft oil	1 774	1 832	1 693	1 752	2 429	3.5
Rice	164	185	185	205	250	0.4
Wheat or meslin	244	190	259	363	603	0.6
Other cereal grains, nec	41	33	61	73	166	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	565	775	997	1 234	1 408	1.8
Meat, fresh, chilled or frozen	2 779	3 174	3 807	3 701	3 891	6.4
Meat or offal, preserved	344	206	205	289	422	0.5
Meat or offal, preserved, nec	668	867	1 087	1 183	1 349	1.9
Dairy						
Milk products, excluding butter and cheese	1 289	1 465	1 523	1 682	2 262	3.1
Butter and cheese	558	461	492	669	845	1.1
Cheese and curd	2 246	2 593	2 542	2 935	3 330	5.1
Fish or shellfish	659	671	772	849	970	1.5
Cereal products						
Flour or meal from wheat or meslin	33	36	36	38	54	0.1
Cereal flour or meal, nec	21	22	18	21	29	0.0
Cereal etc, flour or starch	1 640	1 816	2 068	2 153	2 364	3.7
Horticulture						
Vegetables, prepared or preserved	1 477	1 574	1 675	1 768	2 006	3.2
Fruit, prepared or preserved	1 321	1 527	1 706	1 772	1 792	3.0
Fruit or vegetable juices	1 060	1 044	1 129	1 369	1 673	2.3
Sugar and confectionery						
Sugar, molasses and honey	916	1 062	1 070	1 053	1 229	2.0
Sugar confectionery	415	477	519	538	566	0.9
Chocolate and cocoa preparations	1 004	1 048	1 068	1 137	1 333	2.1

Continued

8.9 Value of food imports, Germany *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	88	135	173	216	218	0.3
Animal oil or fat	66	76	95	102	113	0.2
Vegetable oil or fat, fixed, soft	453	604	863	1 870	1 957	2.1
Vegetable oils, fixed, not soft	698	890	939	989	1 373	1.8
Animal or vegetable oils, processed	360	397	451	470	533	0.8
Other food						
Coffee and coffee substitutes	1 273	1 584	2 203	2 633	3 109	4.0
Tea and mate	154	159	164	204	226	0.3
Spices	193	209	211	232	309	0.4
Edible products, nec	1 799	2 120	2 357	2 561	2 786	4.3
Beverage						
Beverages, nonalcoholic, nec	578	637	759	860	985	1.4
Alcoholic beverages	3 192	3 388	3 840	4 164	4 542	7.1
Animal feed b	1 846	2 158	2 295	2 513	2 881	4.3
Total	42 596	47 086	53 165	59 229	67 374	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.10 Value of food imports, United Kingdom

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	571	686	814	943	932	1.8
Fish or shellfish						
Fish, live or fresh	1 106	1 312	1 621	1 986	2 179	3.7
Fish, dried, salted or smoked	19	24	30	34	42	0.1
Shellfish	392	414	444	454	494	1.0
Horticulture						
Vegetables	2 652	3 106	3 487	3 624	4 323	7.8
Fruit and nuts	3 250	3 830	4 234	4 550	5 135	9.6
Cocoa	476	451	486	461	621	1.1
Eggs, albumin	134	159	147	166	209	0.4
Grains and oilseeds						
Barley	11	17	17	21	29	0.0
Maize	261	280	284	249	407	0.7
Oilseeds, not soft oil	30	34	34	38	48	0.1
Oilseeds, soft oil	409	424	408	394	498	1.0
Rice	279	303	310	314	390	0.7
Wheat or meslin	192	172	243	243	417	0.6
Other cereal grains, nec	15	19	21	23	54	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	902	1 117	1 065	1 138	1 241	2.5
Meat, fresh, chilled or frozen	2 299	2 853	3 073	3 114	3 551	6.8
Meat or offal, preserved	1 057	1 025	973	1 033	1 205	2.4
Meat or offal, preserved, nec	1 219	1 484	1 666	1 880	2 205	3.8
Dairy						
Milk products, excluding butter and cheese	699	874	922	1 001	1 213	2.1
Butter and cheese	460	512	563	604	459	1.2
Cheese and curd	1 213	1 483	1 553	1 617	1 863	3.5
Fish or shellfish	842	945	990	1 063	1 286	2.3
Cereal products						
Flour or meal from wheat or meslin	30	32	45	41	58	0.1
Cereal flour or meal, nec	15	14	17	20	20	0.0
Cereal etc, flour or starch	1 470	1 832	1 811	1 933	2 483	4.3
Horticulture						
Vegetables, prepared or preserved	1 060	1 208	1 190	1 263	1 498	2.8
Fruit, prepared or preserved	475	557	606	651	769	1.4
Fruit or vegetable juices	581	638	739	886	1 082	1.8
Sugar and confectionery						
Sugar, molasses and honey	1 041	1 229	1 300	1 303	1 378	2.8
Sugar confectionery	361	418	442	454	570	1.0
Chocolate and cocoa preparations	729	927	1 080	1 127	1 385	2.4

Continued

8.10 Value of food imports, United Kingdom *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Animal and vegetable oil						
Margarine and shortening	50	60	64	71	80	0.1
Animal oil or fat	109	136	123	112	138	0.3
Vegetable oil or fat, fixed, soft	383	442	510	693	864	1.3
Vegetable oils, fixed, not soft	406	451	417	432	479	1.0
Animal or vegetable oils, processed	195	204	200	291	407	0.6
Other food						
Coffee and coffee substitutes	359	468	539	627	736	1.2
Tea and mate	281	306	285	343	321	0.7
Spices	100	111	111	123	157	0.3
Edible products, nec	1 684	2 055	2 090	2 210	2 989	5.0
Beverage						
Beverages, nonalcoholic, nec	666	832	954	1 057	1 185	2.1
Alcoholic beverages	4 758	5 708	5 809	5 895	6 889	13.2
Animal feed b	1 475	1 701	1 684	1 866	2 149	4.0
Total	34 718	40 851	43 401	46 349	54 440	100.0

a Average, 2003–2007. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

World food imports

8.11 Value of food imports, France

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 p US\$m	Share a %
Minimally transformed						
Live animals except fish	289	334	333	355	352	0.9
Fish or shellfish						
Fish, live or fresh	1 633	1 845	2 105	2 400	2 539	5.9
Fish, dried, salted or smoked	114	120	120	137	140	0.4
Shellfish	1 140	1 253	1 342	1 472	1 467	3.7
Horticulture						
Vegetables	1 982	2 177	2 277	2 360	2 925	6.5
Fruit and nuts	2 871	3 307	3 399	3 352	3 842	9.3
Cocoa	852	801	773	789	1 013	2.4
Eggs, albumin	136	122	113	134	167	0.4
Grains and oilseeds						
Barley	4	4	9	7	18	0.0
Maize	141	196	149	145	344	0.5
Oilseeds, not soft oil	29	23	29	30	38	0.1
Oilseeds, soft oil	360	265	243	259	421	0.9
Rice	272	309	273	282	369	0.8
Wheat or meslin	46	48	37	38	99	0.1
Other cereal grains, nec	16	24	16	19	80	0.1
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	797	1 073	1 261	1 456	1 633	3.5
Meat, fresh, chilled or frozen	1 864	2 193	2 332	2 433	2 818	6.5
Meat or offal, preserved	267	311	296	316	363	0.9
Meat or offal, preserved, nec	325	388	442	500	617	1.3
Dairy						
Milk products, excluding butter and cheese	1 052	1 186	1 086	1 151	1 618	3.4
Butter and cheese	419	512	479	506	666	1.4
Cheese and curd	823	905	930	1 027	1 196	2.7
Fish or shellfish	810	891	936	982	1 147	2.7
Cereal products						
Flour or meal from wheat or meslin	63	73	75	74	104	0.2
Cereal flour or meal, nec	16	18	18	18	27	0.1
Cereal etc, flour or starch	1 646	1 909	1 944	2 033	2 433	5.5
Horticulture						
Vegetables, prepared or preserved	992	1 245	1 253	1 390	1 729	3.7
Fruit, prepared or preserved	747	884	895	952	1 122	2.6
Fruit or vegetable juices	711	716	734	828	1 009	2.2
Sugar and confectionery						
Sugar, molasses and honey	508	604	599	651	889	1.8
Sugar confectionery	233	274	330	312	370	0.8
Chocolate and cocoa preparations	1 108	1 269	1 134	1 205	1 503	3.5

Continued

8.11 Value of food imports, France *continued*

	2003 US\$m	2004 US\$m	2005 US\$m	2006 US\$m	2007 ^p US\$m	Share ^a %
Animal and vegetable oil						
Margarine and shortening	207	229	223	231	323	0.7
Animal oil or fat	63	88	84	81	100	0.2
Vegetable oil or fat, fixed, soft	561	618	793	1 072	1 210	2.4
Vegetable oils, fixed, not soft	294	324	342	357	466	1.0
Animal or vegetable oils, processed	221	239	226	230	293	0.7
Other food						
Coffee and coffee substitutes	692	773	936	1 115	1 348	2.7
Tea and mate	122	128	135	147	165	0.4
Spices	171	118	98	107	125	0.3
Edible products, nec	1 275	1 427	1 496	1 618	1 981	4.3
Beverage						
Beverages, nonalcoholic, nec	474	541	562	635	799	1.7
Alcoholic beverages	1 591	1 912	1 941	1 993	2 378	5.5
Animal feed ^b	1 800	1 973	1 942	1 893	2 354	5.5
Total	29 738	33 647	34 740	37 095	44 598	100.0

^a Average, 2003–2007. ^b Excludes unmilled cereal. ^p Preliminary.

Source: International Trade Centre, UNCTAD/WTO.

Food balance sheets

9.1 Supply and consumption of alcoholic beverages, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	28 000	504	429	28 109	26 445	32
Egypt	125	0	0	127	78	1
Nigeria	9 650	21	1	9 669	8 829	73
South Africa	4 161	34	282	3 946	3 736	84
Asia c	53 897	1 316	729	54 581	53 019	14
China	35 533	411	212	35 732	34 858	27
India	2 292	6	20	2 278	1 683	2
Indonesia	170	2	7	165	165	1
Japan	6 217	448	54	6 612	6 612	52
Korea, Rep. of	3 371	68	155	3 284	3 265	69
Malaysia	141	27	46	122	120	5
Pakistan	18	0	0	19	19	0
Philippines	1 199	27	24	1 202	1 202	15
Thailand	1 904	63	53	2 007	2 007	32
Viet Nam	714	7	7	714	714	9
Europe	73 045	10 130	12 882	71 161	66 751	92
Austria	1 206	141	117	1 218	1 214	150
Belgium	0	0	0	0	0	0
Czech Republic	1 926	141	226	1 840	1 779	174
Denmark	773	247	359	750	710	133
France	7 765	1 180	2 162	7 390	5 534	93
Germany	11 555	1 775	1 402	12 100	12 050	146
Greece	805	113	80	868	752	69
Italy	6 155	642	1 931	5 387	4 532	79
Malta	15	5	0	20	18	45
Netherlands	2 548	520	1 446	1 622	1 622	101
Norway	233	99	5	327	323	72
Poland	3 168	111	33	3 236	3 235	84
Portugal	1 499	215	343	1 328	1 231	123
Russian Federation	8 741	557	137	9 162	9 162	64
Slovenia	257	14	94	177	166	84
Spain	6 480	546	1 216	5 305	4 288	105
Sweden	536	239	86	689	689	78
Turkey	865	6	44	828	828	12
United Kingdom	6 612	1 840	1 145	7 249	7 169	121
Middle East						
Iran	1	0	0	1	1	0
Kuwait	0	0	0	0	0	0
Saudi Arabia	0	1	0	1	1	0
United Arab Emirates	0	51	1	49	0	0

Continued

9.1 Supply and consumption of alcoholic beverages, by selected country ^a

continued

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	7 053	204	1 443	5 817	5 687	41
Mexico	6 421	137	1 409	5 149	5 021	49
North America	29 806	4 212	1 218	32 800	32 329	100
Canada	3 101	502	518	3 085	3 084	99
United States	26 705	3 710	700	29 715	29 245	101
South America	15 996	296	692	15 627	15 606	44
Argentina	2 691	12	153	2 515	2 505	66
Brazil	7 924	46	55	7 915	7 910	45
Chile	973	25	413	650	651	42
Uruguay	169	10	3	176	176	52
Oceania	3 333	216	577	2 970	2 702	87
Australia	2 824	133	538	2 416	2 210	113
New Zealand	386	64	36	415	366	95
World	212 156	16 991	18 136	212 034	203 496	33

^a Annual average, 2001–2003. Wine, beer from barley, and other fermented and alcoholic beverages. Includes nonfood alcohol. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.2 Supply and consumption of cereals, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	114 849	48 911	3 046	162 428	119 888	145
Egypt	17 317	9 316	567	27 366	17 002	241
Nigeria	20 482	3 940	61	24 361	17 630	146
South Africa	11 869	2 191	1 203	13 634	8 342	187
Asia c	818 439	113 506	49 719	887 651	618 218	164
China	334 013	10 485	15 969	336 766	216 242	166
India	187 171	50	7 940	188 628	164 133	156
Indonesia	44 208	6 637	162	51 177	42 639	196
Japan	8 184	27 467	612	35 271	14 631	115
Korea, Rep. of	4 867	13 204	195	17 623	7 159	151
Malaysia	1 526	4 871	299	6 223	3 670	153
Pakistan	25 487	207	3 220	23 852	21 020	140
Philippines	13 391	4 435	23	17 094	11 349	144
Thailand	22 263	1 228	8 435	14 250	7 606	122
Viet Nam	25 086	1 214	3 687	20 038	15 008	187
Europe	406 661	69 996	95 410	385 968	98 232	135
Austria	4 429	905	1 210	4 491	927	114
Belgium	0	0	0	0	0	0
Czech Republic	6 634	286	909	6 263	1 261	123
Denmark	9 094	1 359	2 306	8 220	718	134
France	61 576	2 770	31 586	34 662	7 019	117
Germany	44 145	5 241	12 835	38 886	9 367	114
Greece	4 701	2 045	620	5 978	1 689	154
Italy	19 268	9 971	4 504	24 571	9 321	162
Malta	12	170	3	184	70	179
Netherlands	1 728	8 033	2 048	7 565	1 439	90
Norway	1 217	581	12	1 791	581	129
Poland	25 743	1 147	513	26 814	5 953	154
Portugal	1 277	3 355	233	4 418	1 331	132
Russian Federation	77 780	2 660	9 599	70 892	21 945	152
Slovenia	505	497	18	984	275	138
Spain	20 120	10 249	2 425	28 270	4 035	99
Sweden	5 402	487	1 574	4 483	916	103
Turkey	30 281	2 695	1 443	31 497	15 488	220
United Kingdom	21 145	4 273	4 730	21 389	6 632	112
Middle East						
Iran	17 712	7 193	61	24 870	14 174	208
Kuwait	8	614	8	630	338	138
Saudi Arabia	2 797	5 678	46	7 988	3 535	150
United Arab Emirates	0	2 255	568	1 600	418	142

Continued

9.2 Supply and consumption of cereals, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	33 705	21 680	1 285	52 966	22 689	162
Mexico	29 976	17 483	916	45 705	17 914	176
North America	364 529	12 129	103 240	287 055	36 389	113
Canada	43 290	5 056	18 542	31 582	3 667	117
United States	321 240	7 073	84 698	255 473	32 722	112
South America	106 945	21 335	24 191	103 043	40 792	114
Argentina	33 730	48	21 096	13 392	5 178	136
Brazil	54 860	9 292	682	62 260	19 622	111
Chile	3 349	1 739	267	4 681	2 225	143
Uruguay	1 485	316	945	915	544	160
Oceania	32 849	1 546	17 702	13 268	2 726	87
Australia	31 893	340	17 651	11 253	1 692	87
New Zealand	925	460	30	1 256	365	95
World	1 879 601	294 068	294 688	1 898 686	942 728	152

^a Annual average, 2001–2003. Includes wheat, rice (milled equivalent), barley (excluding beer), maize, rye, oats, millet, sorghum and other cereals. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.3 Supply and consumption of starchy roots, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	174 659	734	403	176 004	108 073	130
Egypt	2 335	56	253	2 161	1 649	23
Nigeria	65 929	1	8	65 922	26 150	216
South Africa	1 596	141	39	1 698	1 228	28
Asia ^c	299 230	15 731	17 383	295 451	170 158	45
China	184 819	10 271	1 036	194 289	97 263	75
India	31 603	17	55	31 564	24 961	24
Indonesia	20 596	557	491	20 662	15 215	70
Japan	4 466	1 334	8	5 792	4 246	33
Korea, Rep. of	876	1 356	0	2 231	722	15
Malaysia	452	587	30	1 009	527	22
Pakistan	2 254	19	59	2 214	1 920	13
Philippines	2 443	255	5	2 693	2 324	30
Thailand	18 110	205	14 017	1 938	1 027	17
Viet Nam	6 394	20	1 051	5 363	1 161	14
Europe	134 155	20 269	13 949	142 497	68 495	94
Austria	646	131	53	759	507	63
Belgium	0	0	0	0	0	0
Czech Republic	1 026	106	48	1 134	790	77
Denmark	1 486	160	150	1 596	420	79
France	6 433	1 104	1 579	6 126	3 948	66
Germany	11 213	1 219	3 373	9 062	6 045	73
Greece	885	221	23	1 083	756	69
Italy	1 844	1 126	295	2 861	2 329	41
Malta	25	16	4	36	30	76
Netherlands	6 949	4 355	4 232	7 072	1 474	92
Norway	365	56	0	423	331	73
Poland	16 211	56	644	15 983	5 020	130
Portugal	1 241	846	29	2 058	1 298	129
Russian Federation	34 861	481	21	35 320	17 755	123
Slovenia	137	30	4	163	115	58
Spain	2 981	3 572	268	6 422	3 286	80
Sweden	899	324	29	1 122	472	53
Turkey	5 167	62	105	5 124	4 157	59
United Kingdom	6 511	1 615	328	8 580	7 325	124
Middle East						
Iran	3 631	34	81	3 583	3 035	45
Kuwait	32	34	0	66	65	27
Saudi Arabia	316	179	39	457	386	16
United Arab Emirates	10	101	6	104	49	17

Continued

9.3 Supply and consumption of starchy roots, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	2 894	547	434	2 908	2 291	16
Mexico	1 775	371	29	2 116	1 729	17
North America	25 890	3 416	3 615	26 192	21 613	67
Canada	4 736	443	1 820	3 395	2 628	84
United States	21 154	2 972	1 795	22 797	18 986	65
South America	47 419	641	374	47 695	23 660	66
Argentina	2 729	41	161	2 613	2 163	57
Brazil	26 328	230	98	26 460	10 654	61
Chile	1 211	40	5	1 245	840	54
Uruguay	209	32	1	242	174	51
Oceania	3 598	201	171	3 648	3 023	97
Australia	1 300	95	64	1 334	1 105	57
New Zealand	516	64	89	508	287	75
World	690 714	41 697	36 382	697 371	399 448	64

^a Annual average, 2001–2003. Includes cassava, potatoes, yams and other roots. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.4 Supply and consumption of sweeteners, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	9 776	6 819	3 073	13 724	12 915	16
Egypt	1 565	515	49	2 297	2 080	30
Nigeria	54	1 321	8	1 366	1 366	11
South Africa	2 528	56	1 288	1 468	1 462	33
Asia c	65 243	16 913	8 997	70 033	65 401	17
China	11 684	1 866	612	11 825	9 668	7
India	28 501	69	1 573	25 907	25 525	24
Indonesia	2 369	1 356	50	3 771	3 559	16
Japan	2 169	1 715	17	3 828	3 710	29
Korea, Rep. of	861	1 620	445	1 950	1 735	37
Malaysia	130	1 376	500	1 013	1 004	42
Pakistan	4 055	335	37	4 272	4 269	29
Philippines	2 150	264	112	2 233	2 232	28
Thailand	6 582	25	4 381	1 986	1 986	32
Viet Nam	1 177	35	69	1 145	1 033	13
Europe	29 812	18 356	13 921	35 237	30 012	41
Austria	765	411	319	874	367	45
Belgium	0	0	0	0	0	0
Czech Republic	633	131	198	566	497	49
Denmark	654	320	429	520	304	57
France	5 694	915	4 217	2 793	2 447	41
Germany	4 491	1 401	2 049	3 900	3 786	46
Greece	350	61	36	454	382	35
Italy	1 645	787	584	2 042	1 815	32
Malta	0	33	0	33	20	52
Netherlands	1 910	524	519	1 959	793	49
Norway	6	222	22	209	202	45
Poland	2 033	129	380	1 914	1 760	46
Portugal	81	380	110	364	342	34
Russian Federation	1 957	4 913	178	6 668	6 336	44
Slovenia	64	56	26	94	31	15
Spain	1 228	591	387	1 607	1 400	34
Sweden	465	108	134	422	398	45
Turkey	2 116	36	515	1 878	1 857	26
United Kingdom	2 191	1 863	986	3 285	2 460	42
Middle East						
Iran	1 164	724	37	1 809	1 808	27
Kuwait	0	87	4	84	84	34
Saudi Arabia	0	739	29	662	661	28
United Arab Emirates	0	1 247	404	733	113	38

Continued

9.4 Supply and consumption of sweeteners, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	9 448	459	2 561	7 219	6 517	47
Mexico	5 701	361	484	5 544	4 981	49
North America	20 325	3 894	1 330	23 380	22 617	70
Canada	462	1 732	371	1 896	1 889	60
United States	19 863	2 162	959	21 485	20 728	71
South America	33 450	1 028	15 236	18 347	17 640	49
Argentina	2 092	19	434	1 653	1 721	45
Brazil	23 889	26	13 055	9 963	9 968	57
Chile	497	252	22	761	725	46
Uruguay	19	114	17	116	115	34
Oceania	5 398	436	3 706	1 958	1 250	40
Australia	4 979	102	3 357	1 579	908	46
New Zealand	61	286	63	250	230	60
World	177 427	48 520	51 807	171 400	157 828	25

^a Annual average, 2001–2003. Includes sugar (in raw equivalent terms from both sugar cane and sugar beet), honey and other sweeteners. ^b Takes account of stock changes. ^c Not including Middle East countries.
Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.5 Supply and consumption of pulses, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	9 528	1 001	214	10 313	7 502	9
Egypt	500	392	34	865	650	9
Nigeria	2 241	1	0	2 242	1 162	10
South Africa	97	80	7	171	147	3
Asia c	26 112	4 345	2 872	27 557	20 399	5
China	5 642	219	895	4 972	1 795	1
India	12 444	2 147	157	14 433	12 101	12
Indonesia	314	39	10	344	293	1
Japan	93	160	0	278	257	2
Korea, Rep. of	19	57	0	77	74	2
Malaysia	0	65	3	62	62	3
Pakistan	869	409	59	1 218	973	7
Philippines	55	82	0	136	133	2
Thailand	290	9	40	259	229	4
Viet Nam	250	5	3	252	223	3
Europe	7 997	2 300	1 715	8 600	1 959	3
Austria	110	9	7	112	6	1
Belgium	0	0	0	0	0	0
Czech Republic	73	12	26	73	19	2
Denmark	129	16	52	94	6	1
France	1 954	127	790	1 290	122	2
Germany	527	90	70	547	65	1
Greece	40	35	1	74	52	5
Italy	124	430	15	539	319	6
Malta	1	1	0	3	2	4
Netherlands	17	251	55	213	30	2
Norway	0	5	0	5	5	1
Poland	226	18	13	231	73	2
Portugal	22	60	12	70	40	4
Russian Federation	1 731	32	83	1 680	184	1
Slovenia	1	3	0	4	3	1
Spain	444	540	22	962	236	6
Sweden	81	6	7	80	14	2
Turkey	1 551	87	352	1 286	837	12
United Kingdom	938	178	323	794	309	5
Middle East						
Iran	637	3	129	512	324	5
Kuwait	0	18	0	18	18	7
Saudi Arabia	8	77	4	82	80	3
United Arab Emirates	0	89	37	51	30	10

Continued

9.5 Supply and consumption of pulses, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	2 215	232	234	2 045	1 759	13
Mexico	1 713	152	179	1 520	1 288	13
North America	4 344	331	2 589	2 366	1 402	4
Canada	2 900	89	2 023	1 152	250	8
United States	1 444	242	566	1 214	1 153	4
South America	3 869	507	341	4 242	3 865	11
Argentina	293	7	253	60	38	1
Brazil	2 959	141	7	3 259	2 996	17
Chile	94	22	22	95	62	4
Uruguay	7	4	0	11	10	3
Oceania	2 055	29	2 106	435	60	2
Australia	2 013	11	2 084	390	26	1
New Zealand	34	9	22	30	20	5
World	56 363	8 992	10 084	56 035	37 398	6

^a Annual average, 2001–2003. Includes beans, peas and other pulses. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.6 Supply and consumption of vegetables, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	49 073	1 466	1 195	49 357	44 442	54
Egypt	14 568	11	403	14 185	12 735	181
Nigeria	8 150	134	0	8 283	7 353	61
South Africa	2 265	57	65	2 256	1 963	44
Asia c	587 832	8 593	11 793	584 514	513 808	136
China	385 437	1 143	6 107	380 420	333 552	256
India	76 481	61	968	75 574	70 451	67
Indonesia	6 367	346	105	6 608	6 085	28
Japan	12 161	2 825	11	14 974	13 661	107
Korea, Rep. of	11 441	476	76	11 840	10 229	216
Malaysia	479	735	339	875	865	36
Pakistan	4 900	113	102	4 911	4 714	32
Philippines	5 025	123	24	5 124	4 879	62
Thailand	3 188	99	425	2 861	2 586	42
Viet Nam	7 405	87	89	7 355	6 627	83
Europe	96 651	24 226	22 095	98 893	83 636	115
Austria	539	488	187	841	739	91
Belgium	0	0	0	0	0	0
Czech Republic	364	465	31	799	750	73
Denmark	256	369	71	554	523	98
France	8 802	2 929	1 761	9 970	8 431	141
Germany	3 694	5 425	782	8 337	7 563	92
Greece	3 899	199	551	3 548	2 864	261
Italy	14 895	1 477	4 781	11 591	9 492	165
Malta	53	10	0	63	53	136
Netherlands	3 726	1 581	3 715	1 595	1 430	89
Norway	139	180	3	316	294	65
Poland	5 148	406	802	4 761	4 063	105
Portugal	2 362	284	544	2 103	1 845	184
Russian Federation	14 527	1 863	43	16 444	13 486	94
Slovenia	54	98	4	149	136	69
Spain	12 431	616	4 949	8 097	6 318	154
Sweden	279	527	61	744	684	77
Turkey	25 300	16	1 315	24 000	16 136	229
United Kingdom	2 651	3 458	276	5 833	5 324	90
Middle East						
Iran	12 800	0	467	12 333	10 947	161
Kuwait	184	213	3	394	375	154
Saudi Arabia	1 832	648	59	2 420	2 204	94
United Arab Emirates	491	612	114	989	602	205

Continued

9.6 Supply and consumption of vegetables, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	11 830	779	4 329	8 280	7 580	54
Mexico	9 728	406	3 541	6 594	6 036	59
North America	39 493	7 762	4 632	42 623	39 964	124
Canada	2 369	2 378	698	4 049	3 823	122
United States	37 124	5 384	3 934	38 574	36 141	124
South America	20 057	872	1 375	19 553	16 767	47
Argentina	3 115	168	271	3 012	2 687	71
Brazil	7 760	302	220	7 842	7 020	40
Chile	2 719	13	620	2 112	1 618	104
Uruguay	174	38	2	211	184	54
Oceania	3 470	383	681	3 158	2 977	95
Australia	1 969	274	236	2 003	1 948	100
New Zealand	952	70	441	570	498	130
World	812 584	44 263	46 165	810 678	711 661	115

^a Annual average, 2001–2003. Does not include starchy roots. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.7 Supply and consumption of fruit, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	62 112	1 072	4 340	58 941	44 275	53
Egypt	7 408	95	309	7 205	6 460	92
Nigeria	9 072	42	0	9 114	8 180	68
South Africa	5 246	28	2 278	3 071	1 826	41
Asia c	209 198	13 598	15 065	207 663	180 036	48
China	72 633	2 924	3 042	72 517	62 172	48
India	45 295	298	394	45 199	38 866	37
Indonesia	11 300	288	377	11 191	10 033	46
Japan	3 848	4 128	31	7 945	6 983	55
Korea, Rep. of	2 643	862	51	3 453	3 180	67
Malaysia	1 242	553	314	1 479	1 326	55
Pakistan	5 110	189	297	5 002	4 802	32
Philippines	11 492	187	2 737	8 960	7 905	101
Thailand	7 674	135	1 844	5 965	5 506	89
Viet Nam	4 782	81	218	4 670	4 236	53
Europe	73 645	49 916	29 318	94 125	61 482	85
Austria	1 066	1 182	650	1 601	1 044	129
Belgium	0	0	0	0	0	0
Czech Republic	458	626	178	906	747	73
Denmark	46	889	169	733	705	132
France	10 398	5 938	2 438	13 898	5 783	97
Germany	4 283	9 331	2 699	10 952	9 313	113
Greece	3 735	361	1 304	2 803	1 716	157
Italy	16 172	2 420	3 977	14 655	7 664	133
Malta	7	35	2	40	36	90
Netherlands	558	4 899	3 001	2 488	2 443	152
Norway	27	527	5	549	535	119
Poland	3 247	1 245	1 644	2 680	1 987	51
Portugal	1 841	612	190	2 263	1 203	120
Russian Federation	3 512	3 920	83	7 361	6 514	45
Slovenia	267	140	38	373	261	132
Spain	16 125	1 280	6 084	11 300	4 874	119
Sweden	32	1 063	84	1 011	962	109
Turkey	10 951	152	2 458	8 646	7 183	102
United Kingdom	289	6 209	269	6 229	6 062	102
Middle East						
Iran	12 873	178	919	12 132	10 754	158
Kuwait	12	146	21	144	138	57
Saudi Arabia	1 254	1 268	200	2 323	2 245	95
United Arab Emirates	791	960	409	1 342	399	136

Continued

9.7 Supply and consumption of fruit, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	23 060	1 541	7 190	17 406	14 994	107
Mexico	14 327	783	1 510	13 601	12 086	119
North America	30 460	19 001	8 252	41 433	36 450	113
Canada	688	3 849	523	4 020	3 824	122
United States	29 772	15 152	7 730	37 413	32 626	112
South America	68 993	1 619	24 282	46 349	34 131	96
Argentina	7 716	421	2 066	6 074	3 581	94
Brazil	34 446	325	12 754	22 017	16 949	96
Chile	4 343	194	2 746	1 803	747	48
Uruguay	489	65	136	418	270	80
Oceania	6 329	772	1 155	5 946	3 957	127
Australia	3 456	478	533	3 401	1 933	99
New Zealand	994	254	610	638	462	120
World	479 260	87 807	90 213	477 029	379 157	61

^a Annual average, 2001–2003. Includes oranges, mandarines, lemons, limes, grapefruit, other citrus, bananas, plantains, apples (excluding cyder), pineapples, dates, grapes (excluding wine) and other fruit. ^b Takes account of stock changes. ^c Not including Middle East countries.
Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.8 Supply and consumption of meat, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	11 541	746	127	12 173	12 161	15
Egypt	1 328	120	1	1 446	1 446	21
Nigeria	1 022	5	0	1 026	1 026	9
South Africa	1 784	131	24	1 896	1 889	42
Asia c	99 983	7 359	2 720	104 506	104 153	28
China	68 064	2 330	1 670	68 736	68 693	53
India	5 719	0	309	5 410	5 409	5
Indonesia	2 063	23	16	2 070	2 076	10
Japan	2 986	2 794	6	5 639	5 524	43
Korea, Rep. of	1 675	631	49	2 257	2 257	48
Malaysia	1 019	186	18	1 187	1 151	48
Pakistan	1 799	0	5	1 795	1 795	12
Philippines	2 205	141	1	2 346	2 346	30
Thailand	2 226	3	514	1 714	1 678	27
Viet Nam	2 301	4	25	2 280	2 280	28
Europe	52 419	13 198	11 692	53 826	53 415	74
Austria	982	180	262	901	900	111
Belgium	0	0	0	0	0	0
Czech Republic	789	69	57	801	793	77
Denmark	2 114	183	1 627	616	606	113
France	6 487	1 120	1 552	6 055	5 985	100
Germany	6 520	1 873	1 501	6 891	6 861	83
Greece	479	463	10	953	915	84
Italy	4 133	1 583	435	5 299	5 281	92
Malta	20	15	0	35	30	77
Netherlands	2 445	814	2 021	1 287	1 275	79
Norway	273	14	4	283	282	63
Poland	3 120	66	260	2 862	2 829	73
Portugal	707	233	25	915	890	89
Russian Federation	4 699	2 477	24	7 151	7 145	50
Slovenia	182	32	33	183	183	92
Spain	5 233	351	770	4 815	4 844	118
Sweden	550	163	46	663	657	74
Turkey	1 396	1	25	1 372	1 372	20
United Kingdom	3 284	1 964	400	4 849	4 795	81
Middle East						
Iran	1 615	35	13	1 637	1 638	24
Kuwait	77	82	1	159	159	65
Saudi Arabia	641	463	16	1 088	1 088	46
United Arab Emirates	79	200	9	270	249	85

Continued

9.8 Supply and consumption of meat, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	5 772	1 361	155	6 986	6 983	50
Mexico	4 777	1 251	83	5 948	5 948	58
North America	42 787	2 693	6 262	39 227	38 920	121
Canada	4 218	579	1 495	3 289	3 136	100
United States	38 569	2 115	4 768	35 938	35 783	123
South America	27 519	358	4 088	23 809	23 280	65
Argentina	3 705	68	385	3 389	3 228	85
Brazil	17 223	61	3 238	14 047	14 048	80
Chile	1 032	126	123	1 035	1 042	67
Uruguay	503	13	281	253	250	74
Oceania	5 628	201	2 534	3 295	3 105	100
Australia	3 847	57	1 637	2 266	2 188	112
New Zealand	1 357	46	893	510	406	106
World	246 462	26 277	27 583	244 998	243 141	39

^a Annual average, 2001–2003. Includes beef and veal, mutton, goat meat, pigmeat, poultry meat and other meat and offal. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.9 Supply and consumption of eggs, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	2 079	39	13	2 104	1 739	2
Egypt	220	0	1	219	178	3
Nigeria	450	0	0	450	396	3
South Africa	333	0	8	325	256	6
Asia c	36 561	237	300	36 499	32 664	9
China	25 073	91	86	25 079	22 778	18
India	2 246	0	50	2 197	1 853	2
Indonesia	952	2	3	951	772	4
Japan	2 525	43	0	2 568	2 446	19
Korea, Rep. of	559	3	0	562	495	10
Malaysia	421	2	95	328	256	11
Pakistan	368	0	1	367	311	2
Philippines	554	3	0	557	505	6
Thailand	823	2	8	817	624	10
Viet Nam	223	0	2	221	205	3
Europe	9 886	845	880	9 855	9 090	13
Austria	86	29	8	108	104	13
Belgium	0	0	0	0	0	0
Czech Republic	176	5	9	172	153	15
Denmark	81	29	8	102	89	17
France	1 000	104	93	1 011	921	15
Germany	856	298	84	1 070	1 021	12
Greece	108	4	2	110	99	9
Italy	686	26	26	686	642	11
Malta	6	1	0	6	5	12
Netherlands	581	85	341	325	281	18
Norway	48	1	1	47	44	10
Poland	485	2	13	478	442	11
Portugal	126	9	12	123	103	10
Russian Federation	2 018	10	8	2 021	1 959	14
Slovenia	21	1	1	21	18	9
Spain	696	21	73	644	580	14
Sweden	95	11	5	101	94	11
Turkey	725	2	9	718	650	9
United Kingdom	696	74	18	752	675	11
Middle East						
Iran	586	1	28	559	456	7
Kuwait	25	7	1	31	27	11
Saudi Arabia	138	8	5	141	100	4
United Arab Emirates	17	24	0	40	34	11

Continued

9.9 Supply and consumption of eggs, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	2 175	30	10	2 195	1 881	13
Mexico	1 888	18	1	1 905	1 625	16
North America	5 529	54	119	5 464	4 628	14
Canada	390	42	20	411	368	12
United States	5 140	12	99	5 052	4 259	15
South America	2 924	15	20	2 919	2 296	6
Argentina	287	2	1	287	247	7
Brazil	1 607	0	9	1 598	1 226	7
Chile	115	0	1	114	87	6
Uruguay	35	0	0	35	29	9
Oceania	204	5	2	207	165	5
Australia	144	2	1	145	114	6
New Zealand	48	0	1	47	38	10
World	59 521	1 235	1 345	59 415	52 602	9

^a Annual average, 2001–2003. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.10 Supply and consumption of seafood, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	7 280	2 304	2 087	3 466	6 409	8
Egypt	771	553	2	1 322	1 055	15
Nigeria	477	432	5	0	888	7
South Africa	760	124	235	649	338	8
Asia ^c	77 958	20 954	9 789	86 841	66 860	18
China	43 613	8 272	4 339	47 564	33 321	26
India	5 965	84	482	5 567	5 052	5
Indonesia	5 028	564	607	4 986	4 511	21
Japan	5 484	6 395	420	11 459	8 449	66
Korea, Rep. of	2 244	1 481	647	3 078	2 782	59
Malaysia	1 383	486	313	1 555	1 366	57
Pakistan	623	0	137	0	333	2
Philippines	2 379	888	185	3 082	2 301	29
Thailand	3 521	1 253	1 590	3 183	1 925	31
Viet Nam	2 010	64	515	1 559	1 421	18
Europe	17 443	21 065	16 565	21 020	15 232	21
Austria	3	151	5	149	119	15
Belgium	0	0	0	0	0	0
Czech Republic	25	218	20	223	140	14
Denmark	1 552	1 538	2 569	535	130	24
France	858	2 004	741	2 122	1 874	31
Germany	265	2 490	1 757	1 247	1 231	15
Greece	192	545	117	622	256	23
Italy	528	1 594	208	1 913	1 504	26
Malta	2	37	3	36	20	50
Netherlands	570	1 282	1 041	884	393	25
Norway	3 199	893	2 526	1 579	247	55
Poland	261	428	269	421	504	13
Portugal	199	613	139	672	596	59
Russian Federation	3 716	1 391	1 448	3 668	2 675	19
Slovenia	3	32	4	0	15	8
Spain	1 397	2 401	1 242	2 557	1 945	48
Sweden	319	501	524	296	299	34
Turkey	592	196	42	746	513	7
United Kingdom	919	2 394	882	2 431	1 374	23
Middle East						
Iran	399	214	6	0	316	5
Kuwait	6	19	1	0	21	9
Saudi Arabia	57	142	3	0	176	8
United Arab Emirates	110	96	31	176	83	28

Continued

9.10 Supply and consumption of seafood, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	1 850	385	426	1 723	1 305	9
Mexico	1 472	235	242	1 465	1 154	11
North America	6 584	4 784	3 078	8 330	7 018	22
Canada	1 195	1 262	1 129	1 328	807	26
United States	5 389	3 522	1 949	7 002	6 212	21
South America	15 717	973	14 381	3 794	2 998	8
Argentina	941	40	663	318	315	8
Brazil	979	336	103	1 211	1 095	6
Chile	4 315	49	3 874	580	202	13
Uruguay	105	17	93	29	28	8
Oceania	1 159	604	747	1 017	724	23
Australia	236	501	203	534	437	22
New Zealand	636	33	458	212	102	27
World	128 172	51 344	47 124	126 491	100 913	16

^a Annual average, 2001–2003. Includes freshwater fish, demersal fish, pelagic fish, other marine fish, crustaceans, cephalopods and other molluscs. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.11 Supply and consumption of milk, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	29 131	5 452	388	34 269	31 131	38
Egypt	4 462	290	33	4 742	3 856	55
Nigeria	432	578	5	1 005	896	7
South Africa	2 695	181	130	2 746	2 420	54
Asia c	186 283	15 865	2 388	199 757	164 186	44
China	17 907	2 139	376	19 671	17 778	14
India	87 733	38	310	87 459	69 592	66
Indonesia	814	1 188	269	1 736	1 633	8
Japan	8 362	2 051	14	10 399	8 441	66
Korea, Rep. of	2 419	360	11	2 768	1 386	29
Malaysia	41	1 355	181	1 214	1 145	48
Pakistan	27 040	60	7	27 094	22 997	153
Philippines	11	1 672	173	1 509	1 455	19
Thailand	607	1 153	346	1 414	1 386	22
Viet Nam	121	644	4	761	757	9
Europe	216 649	40 218	52 968	204 320	154 700	213
Austria	3 298	876	1 457	2 634	2 386	294
Belgium	0	0	0	0	0	0
Czech Republic	2 731	218	577	2 373	2 036	199
Denmark	4 606	666	2 678	2 506	1 290	241
France	25 695	3 275	8 049	20 921	16 505	276
Germany	28 164	6 516	10 848	24 057	20 488	249
Greece	2 003	1 257	174	3 039	2 783	254
Italy	12 305	6 561	1 584	17 393	14 618	254
Malta	49	61	1	110	82	208
Netherlands	10 907	4 989	7 662	8 600	5 369	334
Norway	1 709	41	172	1 578	1 225	271
Poland	11 884	796	2 034	10 679	6 733	174
Portugal	2 090	590	294	2 385	2 218	221
Russian Federation	33 261	1 199	787	33 673	21 750	151
Slovenia	661	32	124	569	497	251
Spain	7 166	2 578	1 086	8 658	6 999	171
Sweden	3 241	516	286	3 470	3 276	369
Turkey	9 505	84	29	9 560	7 770	111
United Kingdom	14 877	3 575	2 340	16 091	13 946	235
Middle East						
Iran	5 912	71	27	5 956	3 924	58
Kuwait	46	192	3	236	236	97
Saudi Arabia	1 045	1 359	298	2 106	2 050	87
United Arab Emirates	92	509	54	547	385	131

Continued

9.11 Supply and consumption of milk, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	12 542	3 788	340	16 008	14 826	106
Mexico	9 784	3 087	133	12 739	11 723	115
North America	84 527	5 343	2 973	86 807	82 635	256
Canada	8 040	722	899	7 792	6 423	205
United States	76 487	4 622	2 074	79 015	76 212	262
South America	46 586	2 063	2 463	46 261	39 795	111
Argentina	8 920	59	1 371	7 608	6 975	184
Brazil	22 396	762	136	23 023	20 403	116
Chile	2 173	165	189	2 150	1 729	111
Uruguay	1 493	4	505	992	634	187
Oceania	24 893	657	17 123	8 547	5 308	170
Australia	11 045	496	5 813	5 545	4 868	249
New Zealand	13 780	59	11 308	2 836	327	85
World	601 879	74 421	78 658	598 257	494 772	80

^a Annual average, 2001–2003. Excluding butter. ^b Takes account of stock changes. ^c Not including Middle East countries.
Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.12 Supply and consumption of vegetable oils, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	5 441	4 281	646	9 344	6 865	8
Egypt	168	401	26	812	408	6
Nigeria	1 874	192	17	2 049	1 687	14
South Africa	430	552	54	951	582	13
Asia ^c	52 755	19 804	24 670	46 741	36 079	10
China	12 734	5 115	369	17 062	12 405	10
India	6 269	5 093	257	11 089	10 259	10
Indonesia	10 811	64	7 618	3 048	2 264	10
Japan	1 878	713	14	2 576	1 873	15
Korea, Rep. of	296	622	24	851	606	13
Malaysia	14 211	702	13 761	1 132	355	15
Pakistan	739	1 418	28	2 172	1 750	12
Philippines	1 630	88	1 247	471	355	5
Thailand	958	92	345	631	384	6
Viet Nam	199	275	33	441	237	3
Europe	16 499	16 208	11 146	21 154	11 485	16
Austria	231	186	101	317	151	19
Belgium	0	0	0	0	0	0
Czech Republic	229	178	90	305	162	16
Denmark	155	413	250	321	38	7
France	1 347	1 450	790	2 018	1 090	18
Germany	2 887	2 434	2 221	3 100	1 358	17
Greece	633	187	185	550	279	25
Italy	1 202	1 610	635	2 104	1 556	27
Malta	0	6	0	6	3	7
Netherlands	1 257	2 687	2 385	1 602	285	18
Norway	80	86	42	124	75	17
Poland	371	371	40	706	464	12
Portugal	292	178	151	313	177	18
Russian Federation	1 360	1 087	108	2 257	1 465	10
Slovenia	1	65	14	53	18	9
Spain	2 332	775	1 033	1 870	1 130	28
Sweden	109	227	171	169	134	15
Turkey	910	792	225	1 468	1 250	18
United Kingdom	831	1 512	386	1 958	992	17
Middle East						
Iran	167	1 042	241	662	576	9
Kuwait	0	57	3	55	52	21
Saudi Arabia	14	367	27	364	355	15
United Arab Emirates	10	268	223	59	26	9

Continued

9.12 Supply and consumption of vegetable oils, by selected country ^a

continued

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	1 402	1 184	329	2 251	1 305	9
Mexico	927	800	56	1 674	996	10
North America	12 057	2 280	3 033	11 311	8 749	27
Canada	1 473	391	688	1 209	753	24
United States	10 584	1 889	2 345	10 102	7 996	28
South America	12 837	1 389	7 598	6 496	4 414	12
Argentina	5 436	24	4 798	459	471	12
Brazil	5 611	231	2 181	3 727	2 322	13
Chile	36	180	14	196	162	10
Uruguay	16	23	2	37	26	8
Oceania	652	397	529	556	458	15
Australia	234	270	119	412	378	19
New Zealand	2	87	12	78	32	8
World	101 722	45 904	47 966	98 282	69 677	11

^a Annual average, 2001–2003. From soyabeans, groundnuts, sunflowerseed, rapeseed, mustardseed, cottonseed, palm kernels, palm, copra, sesameseed, olives, maize germ and other oil crops. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

Food balance sheets

9.13 Supply and consumption of animal fats, by selected country ^a

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Africa	486	471	37	955	621	1
Egypt	121	51	0	179	173	2
Nigeria	36	93	0	129	40	0
South Africa	43	61	8	97	35	1
Asia c	8 544	1 700	212	10 037	7 864	2
China	3 317	735	138	3 917	3 002	2
India	2 706	8	6	2 708	2 528	2
Indonesia	96	32	14	114	108	1
Japan	441	227	5	664	226	2
Korea, Rep. of	247	107	7	347	136	3
Malaysia	17	15	2	30	28	1
Pakistan	634	106	0	740	701	5
Philippines	177	51	0	227	185	2
Thailand	31	25	2	53	42	1
Viet Nam	83	9	0	92	91	1
Europe	11 891	3 762	3 668	12 011	8 267	11
Austria	283	36	102	226	140	17
Belgium	0	0	0	0	0	0
Czech Republic	200	35	29	206	100	10
Denmark	421	116	261	284	144	27
France	1 311	415	503	1 224	1 100	18
Germany	2 231	380	543	2 125	1 801	22
Greece	109	42	3	143	36	3
Italy	611	278	131	758	627	11
Malta	4	2	0	5	4	10
Netherlands	487	471	585	371	149	9
Norway	140	255	48	349	76	17
Poland	758	25	46	737	566	15
Portugal	139	25	22	143	138	14
Russian Federation	1 226	355	12	1 569	1 024	7
Slovenia	44	3	6	40	33	17
Spain	758	240	125	873	208	5
Sweden	213	98	141	165	156	18
Turkey	138	158	10	286	140	2
United Kingdom	445	316	222	536	412	7
Middle East						
Iran	201	37	2	235	171	3
Kuwait	5	12	3	15	11	5
Saudi Arabia	17	38	4	50	41	2
United Arab Emirates	2	19	9	13	11	4

Continued

9.13 Supply and consumption of animal fats, by selected country ^a *continued*

	Domestic supply			Food consumption		
	Production	Imports	Exports	Total ^b	Volume	Per person
	kt	kt	kt	kt	kt	kg
Central America	357	797	25	1 132	442	3
Mexico	263	584	5	843	354	4
North America	7 974	392	2 090	6 264	2 357	7
Canada	1 085	173	352	907	571	18
United States	6 889	219	1 738	5 357	1 786	6
South America	2 271	360	471	2 221	1 018	3
Argentina	288	39	126	217	143	4
Brazil	1 230	22	35	1 216	506	3
Chile	181	169	13	299	50	3
Uruguay	65	5	62	23	10	3
Oceania	1 408	72	1 095	332	214	7
Australia	768	40	572	215	128	7
New Zealand	631	16	522	92	67	18
World	32 974	7 679	7 600	33 119	20 839	3

^a Annual average, 2001–2003. Includes butter, ghee, cream, raw animal fats, fish body oil and fish liver oil. ^b Takes account of stock changes. ^c Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

10

Selected economic and demographic information – key countries

2008								
	Population		Age structure (in years)			Gross domestic product a		
	million	Growth rate %	0–14 %	15–64 %	65+ %	US\$b	Per person US\$	Agriculture contribution %
Africa								
Egypt	81.7	1.7	32	64	5	453	5 500	13.4
Nigeria	146.3	2.0	42	55	3	328	2 200	18.0
South Africa	48.8	0.8	29	66	5	506	10 400	3.4
Asia b								
China	1 330.0	0.6	20	72	8	7 800	6 100	10.6
India	1 148.0	1.6	32	63	5	3 319	2 900	17.2
Indonesia	237.5	1.2	28	66	6	932	3 900	13.5
Japan	127.3	-0.1	14	65	22	4 487	35 300	1.4
Korea, Rep. of	48.4	0.3	17	72	11	1 312	27 100	2.9
Malaysia	25.3	1.7	32	63	63	398	15 700	9.7
Pakistan	172.8	2.0	38	58	4	454	2 600	20.4
Philippines	96.1	2.0	36	60	4	327	3 400	13.8
Thailand	65.5	0.6	21	70	9	570	8 700	11.4
Viet Nam	86.1	1.0	13	26	61	247	2 900	19.0
Europe								
Austria	8.2	0.1	15	68	18	325	39 600	1.9
Belgium–Luxembourg	10.9	1.3	17	66	16	440	123 400	2.0
Czech Republic	10.2	-0.1	14	71	15	274	26 800	2.6
Denmark	5.5	0.3	18	66	16	214	38 900	1.4
France	64.1	0.6	19	65	16	2 097	32 700	2.2
Germany	82.4	0.0	14	66	20	2 863	34 800	0.9
Greece	10.7	0.1	14	67	19	351	32 800	3.5
Italy	58.1	0.0	14	66	20	1 801	31 000	2.0
Malta	0.4	0.4	16	70	14	10	24 200	2.7
Netherlands	16.6	0.4	18	68	15	688	41 300	2.0
Norway	4.6	0.4	19	66	15	267	57 500	2.4
Poland	38.5	-0.0	15	71	13	685	17 800	4.0
Portugal	10.7	0.3	16	66	17	245	22 000	3.0
Russian Federation	140.7	-0.5	15	71	14	2 225	15 800	4.1
Slovenia	2.0	-0.1	14	70	16	62	30 800	2.2
Spain	40.5	0.1	14	68	18	1	34 100	3.6
Sweden	9.0	0.2	16	66	18	358	39 600	1.5
Turkey	71.9	1.0	24	69	7	931	12 900	8.5
United Kingdom	60.9	0.3	17	16	67	2 279	37 400	0.9
Middle East								
Iran	65.9	0.8	22	72	5	860	13 100	10.8
Iraq	28.2	2.6	39	58	3	114	4 000	5.0
Kuwait	2.6	3.6	27	71	3	158	60 800	0.3
Saudi Arabia	28.1	2.0	38	60	2	600	21 300	3.1
United Arab Emirates	4.6	3.8	21	79	1	186	40 400	1.6

Continued

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Selected economic and demographic information – key countries *continued*

	2008							
	Population		Age structure (in years)			Gross domestic product ^a		
		Growth rate	0–14	15–64	65+		Per person	Agriculture contribution
	million	%	%	%	%	US\$b	US\$	%
North America								
Canada	33.2	0.8	16	69	15	1 336	40 200	2.0
Mexico	110.0	1.1	30	64	6	1 578	14 400	3.7
United States	303.8	0.9	16	20	64	14 580	48 000	1.2
South America								
Argentina	40.5	1.1	26	64	11	585	14 500	9.2
Brazil	196.3	1.2	27	67	6	2 030	10 300	5.5
Chile	16.5	0.9	24	68	9	253	15 400	4.8
Uruguay	3.5	0.5	13	23	65	43	12 300	9.8
Oceania								
Australia	21.0	1.2	19	68	13	825	39 300	2.5
New Zealand	4.2	1.0	21	67	13	119	28 500	4.4
Papua New Guinea	5.9	2.1	37	59	4	13	2 300	32.8
World	6 707.0	1.2	6	27	67	70 650	10 500	4.0

^a Purchasing power parity. ^b Not including Middle East countries.

Source: Central Intelligence Agency, *World Factbook*.