



**Australian Government**  
**Department of Agriculture,  
Fisheries and Forestry**

# **Australian Food Statistics 2009–10**





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## Minister's foreword

### Welcome to Australian Food Statistics for 2009–10

Both globally and at home a discussion about food security and supply is underway. In order to have an informed debate about our food industries and food supply it is essential that we have access to accurate statistics.

The Australian Government will lead the way in this important area by fulfilling its commitment to develop a National Food Plan which will bring together the story of Australian food production.

*Australian Food Statistics 2009–10* presents the key facts and figures that demonstrate what Australian farmers already know – that Australia's food supply is secure and that regional Australia is founded on a strong agricultural sector.

Our strong trade and links to global markets underline the high reputation that Australian produce carries. As the world's 14th largest food exporter, and with a significant food surplus of \$14.2 billion in 2009–10, Australian farmers, fishers and food manufacturers understand the benefits of trade to their livelihoods.

The story of the Australian food industry is a great one. *Australian Food Statistics 2009–10* shows that not only is the food and beverage sector Australia's largest manufacturing industry; but it has increased its workforce by 28 per cent since 2000–01 to 226 750 people in 2009–10. Considering the challenges of the global financial crisis, this is a great achievement for the industry.

However there will always be challenges to overcome. Climate variability, resource constraints and global competition pose long term challenges for the sector and policy makers alike.

These challenges bring opportunities. Australia enjoys an enviable position as a producer of high quality food and fibre. The National Food Plan will enable Australia's food producers and food industries to portray a much clearer view of the sector as a whole.

I look forward to working with the community and industry to develop the National Food Plan in the months ahead. *Australian Food Statistics 2009–10* provides a valuable resource for these discussions.



Senator the Hon. Joe Ludwig  
Minister for Agriculture, Fisheries and Forestry  
Senator for Queensland

# Acknowledgments

Many people within the Australian Government Department of Agriculture, Fisheries and Forestry (DAFF) and ABARES contribute to the preparation and publication of *Australian Food Statistics 2009–10*. Particular acknowledgment goes to Max Foster, James Fell, Henry To, Gwen Rees, QT Tran, Peter Berry and Bruce Bowen from ABARES who prepared the overview and statistical appendix.

The *Water sustainability in Australia's food processing industry* article, an edited summary of CSIRO report to the Australian Food and Grocery Council, was prepared by Teresa Thai, Ryan Wilson and John Martinez.

The important contribution of DAFF's Corporate Communications Branch in the preparation of this report is also acknowledged.

The online version of *Australian Food Statistics 2009–10* contains alternative text providing equal access for all people (Disability Discrimination Act 1992).

## 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	
na	not available	
nec	not elsewhere classified	
ABARES	Australian Bureau of Agricultural and Resource Economics and Sciences	
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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# Overview of the Australian food industry, 2009–10

Max Foster, James Fell, Henry To, Gwen Rees and Bruce Bowen

This publication provides a statistical overview of the major aspects of the Australian food industry and its place in the domestic economy in 2009–10. Recent statistics on Australian and world food trade are also provided.

The Australian food industry encompasses many sectors — from 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 2009–10 are shown in Figure 1 and the main food industry statistics are summarised in Table A.

Australia's total consumer expenditure on food and liquor continued on a rising trend in 2009–10, increasing by 6 per cent to around \$125 billion. The food and liquor share of total retailing expenditure increased slightly to 52.6 per cent, from 51.5 per cent in 2008–09.

The total value of Australia's farm and fisheries food production declined by 4.4 per cent in 2009–10. Much of the decline was attributed to the fall in the value of milk production due to lower farm gate milk prices. In addition, lower grain prices were also a contributing factor. In contrast, the value of Australian sugar production increased by 46 per cent in 2009–10, due to higher world prices.

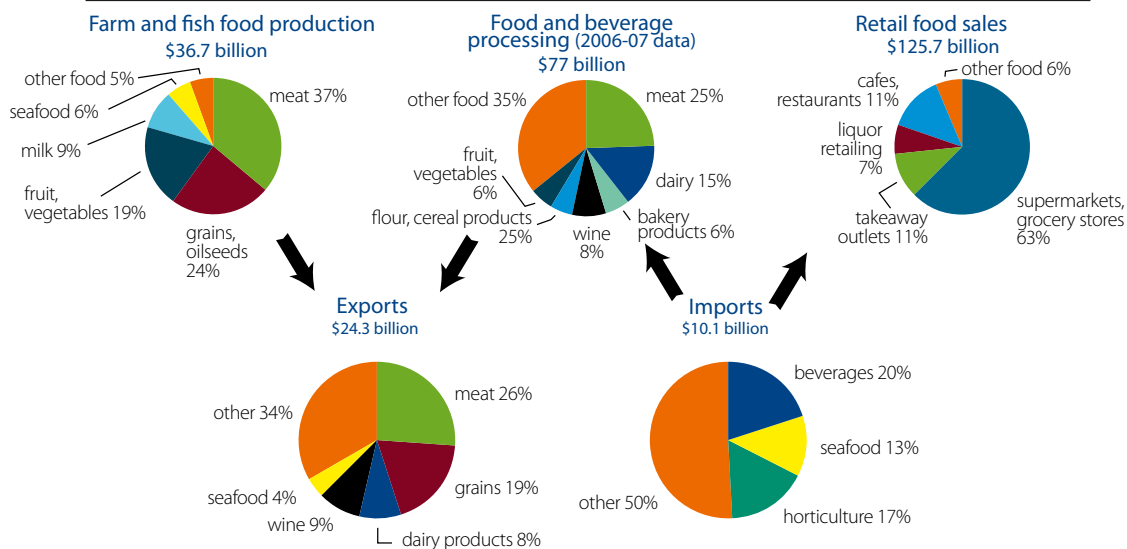
The value of Australia's food exports declined to \$24.3 billion in 2009–10, \$3.7 billion or 13 per cent lower than in 2008–09. The main cause of the decline was lower grain export prices and the appreciation of the Australian dollar.

The value of Australian food imports decreased to \$10.1 billion in 2009–10, \$0.3 billion or 3.1 per cent lower than in 2008–09. Australia is a significant net exporter of food, with an export surplus of \$14.2 billion over food imports in 2009–10. Over the past five years this surplus has averaged \$16.6 billion in 2009–10 dollar terms.



# Overview

## 1 Value chain for food in Australia, 2009–10



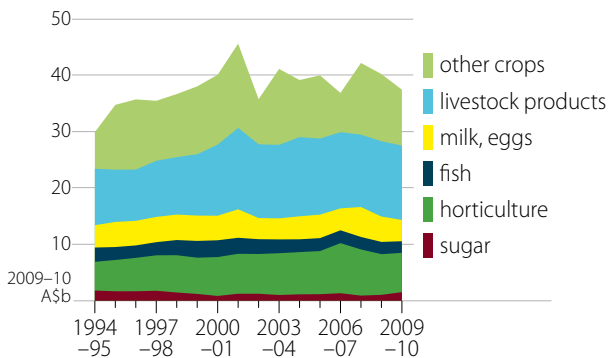
## A Overview of the Australian food industry

	2004 -05	2005 -06	2006 -07	2007 -08	2008 -09	2009 -10	
Value of farm and fisheries production	\$b	32.4	34.5	32.6	38.6	38.4	36.7
– share of total GDP	%	3.7	3.5	3.3	3.1	2.9	2.8
Value added, food, beverage and tobacco processing	\$b	21.1	20.9	21.1	21.1	20.4	21.7
– share of total GDP	%	2.0	1.9	1.9	1.8	1.7	1.8
Food and liquor retailing turnover	\$b	91.2	96.7	104.4	111.7	118.8	125.7
– share of total retailing	%	49.1	50.1	50.6	50.7	51.5	52.6
Value of food exports	\$b	24.1	24.1	23.4	23.4	28.1	24.3
– share of total merchandise exports	%	14.4	14.1	13.2	12.8	15.2	12.7
– minimally transformed share	%	29.1	27.9	23.7	28.1	33.7	30.8
Value of food imports	\$b	6.7	7.1	8.3	9.1	10.4	10.1
– share of total merchandise exports	%	4.5	4.2	4.6	4.5	4.7	5.0

## Australian farm and fisheries food production

The total value of Australia’s farm and fisheries production (excluding non-food farm and fisheries production, such as fibres and pearls) declined by 4.4 per cent in 2009–10, to \$36.7 billion. As shown in Figure 2, the decline in 2009–10 mainly reflects a 14 per cent fall in the value of milk production and a 15 per cent fall in the value of production of crops, primarily broadacre grain crops. Lower farm-gate prices for milk, plus lower world grain prices, led to a lower value of production for these commodities.

### 2 Value of Australian farm and fisheries food production

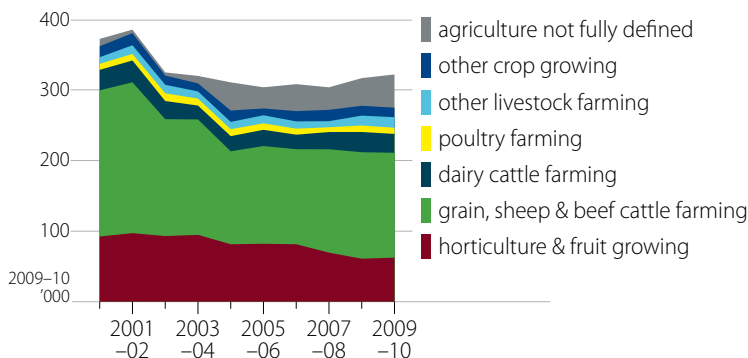


The value of production for sugar increased in 2009–10 by 46 per cent in line with higher world sugar prices.

Employment in agricultural production in Australia increased by 2.2 per cent to 324 500 in 2009–10. A decline in broadacre agricultural industries (mainly beef, dairy, grains and sheep) was more than offset by increases in employment in horticultural and other agricultural industries.

Despite an increase in 2009–10, employment in agriculture production was around 12 per cent lower than in 2000–01 (Figure 3). Employment in the grain, sheep and beef cattle farming sector fell during this period because of the widespread

### 3 Employment in agricultural production in Australia



## Overview

drought conditions, particularly in eastern states, which started in 2001–02. Labour requirements in this farming sector have not rebounded due to a number of factors, including continued widespread dry conditions through to mid 2009, increased competition from the mining sector for labour and the gradual shift out of sheep production and into less labour-intensive grain cropping.

## Food processing in Australia

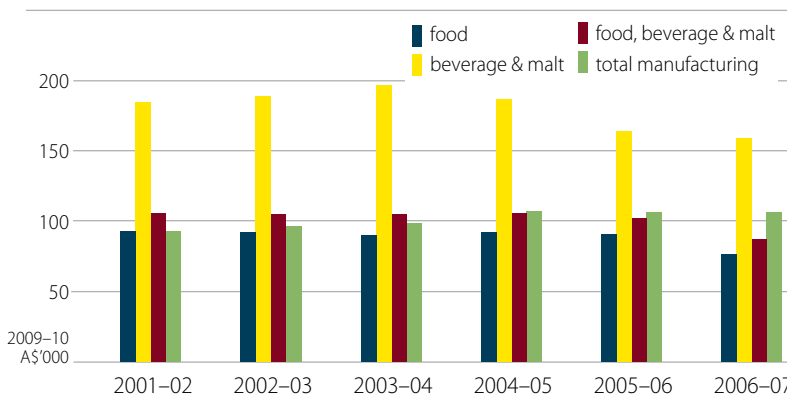
The value of food, beverage and tobacco manufacturing increased by 6.2 per cent in 2009–10 to \$21.7 billion. This increase reflects increasing demand as improving consumer confidence in the Australian and world economies recover from the global economic downturn of 2008–09.

The most recent official data at a disaggregated level for the Australian processed food industry at the time of publication of this report was for 2006–07. Total sales and service income in the Australian food industry increased to around \$79 billion in 2006–07, an \$8 billion increase from 2005–06. Industry value added in 2006–07 was \$19 billion, 1.5 per cent higher than in 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 at least 18 per cent of employment in the Australian manufacturing sector.

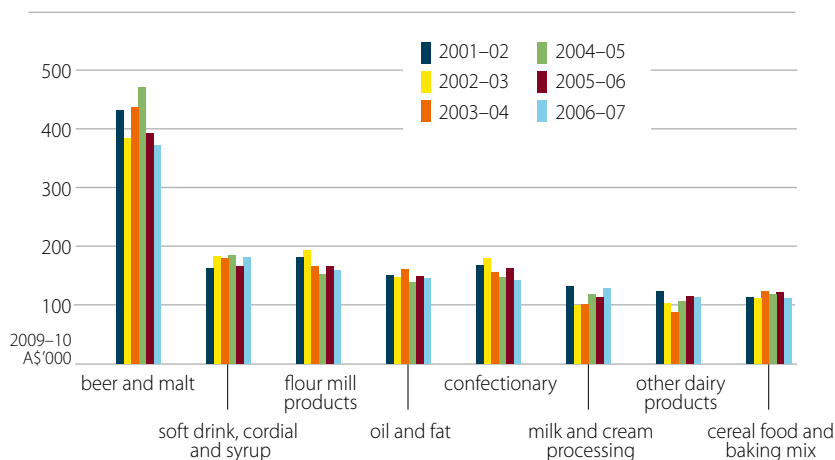
Food industry value added per employee in the Australian food and beverage industry declined in 2006–07 (Figure 4). In contrast, industry value added per employee was largely unchanged for total Australian manufacturing. Industry value added per employee is typically higher for beverage and malt manufacturing than for food manufacturing.

### 4 Real industry value added per employee, total food manufacturing

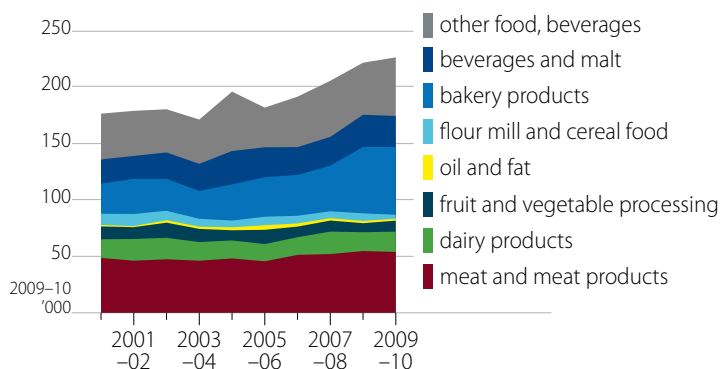


The highest value added per employee in 2006–07 was in beer and malt manufacturing at \$437 000 per employee (Figure 5). The lowest was in seafood processing at \$66 000 per employee.

### 5 Industry value added per employee, selected industries



### 6 Employment in Australian food and beverage manufacturing



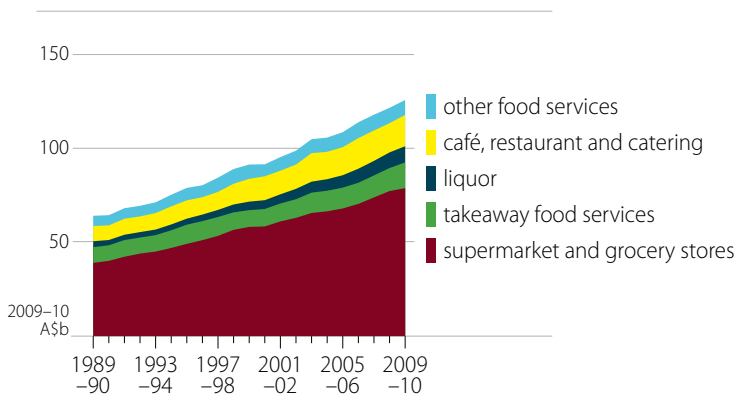
Employment in food and beverage manufacturing in Australia increased to 226 750 in 2009–10, 2 per cent higher than in 2008–09 (Figure 6). Employment in the Australian food processing industry in 2009–10 was 28 per cent higher than in 2000–01. Much of this employment increase took place in the bakery products sector, but

the meat, dairy food and beverage industries also recorded strong growth. Since 2000–01, employment has declined in grain milling and fruit and vegetable processing industries.

## Australian food retailing

Total expenditure on food and liquor increased by 5.8 per cent to around \$125.7 billion in 2009–10, up from \$118.8 billion in 2008–09 (Figure 7). This compares with an increase in total retail turnover in Australia in 2009–10 of 3.7 per cent. Food and liquor retailing accounted for 52.5 per cent of total retail turnover in 2009–10, 1 percentage point higher than in 2008–09. The share of food and liquor retailing in total retailing has increased from an average of 45 per cent in the three years to 1989–90, to an average of 52 per cent in the three years to 2009–10.

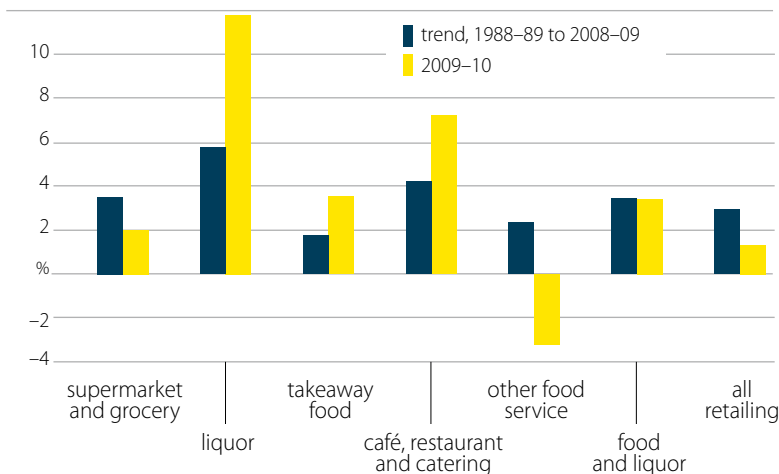
### 7 Australian food and liquor retail expenditure



Supermarket and grocery expenditures were \$75 billion, or 64 per cent of food retailing expenditure in 2009–10. This share is a small increase from 63 per cent in 2007–08. Café and restaurants accounted for 13 per cent at \$15 billion, and takeaway food services 10 per cent at \$12 billion. Expenditure

on food and liquor grew by 3 per cent in Australia in 2009–10, slightly below the annual average over the last 20 years of 3.5 per cent (Figure 8).

### 8 Real growth in Australian food and liquor retail expenditure



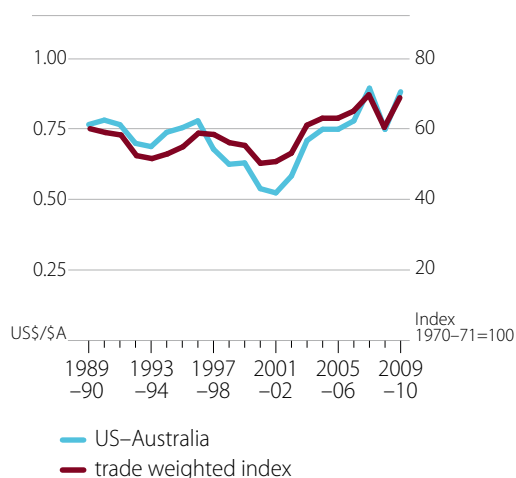


## Australian food trade

The value of Australia's food exports declined to \$24.3 billion in 2009–10, \$3.7 billion or 13 per cent lower than in 2008–09. The main contributors to the decrease in Australian food exports in 2009–10 were unprocessed grains (down \$1.8 billion), meat (down \$1.1 billion), dairy (down \$613 million) and wine (down \$305 million) (Figure 12). Despite lower Australian sugar production in 2009–10, sugar exports increased in value in 2009–10 as a result of much higher world sugar prices.

Two key factors that would have accounted for much of the decline in the value of exports were the appreciation of the Australian dollar and lower world grain prices.

### 9 Australian exchange rate



The Australian dollar appreciated by 17 per cent in 2009–10 against the US dollar and by 14 per cent against the currencies of most of Australia's trading partners. The Australian dollar has appreciated against the US dollar since 2002 (Figure 9). An appreciation of the Australian dollar will lead to lower export earnings as most export contracts are denominated in US dollars.

Australia's food exports and imports can be categorised into three main categories — 'minimally transformed' (such as grains, oilseeds and live animals), 'substantially transformed' (such as meat, dairy products, sugar, beverages and malt) and 'elaborately transformed' (such as biscuits and confectionary). Over the last twenty years, the share of minimally transformed exports has varied around 30 per cent.

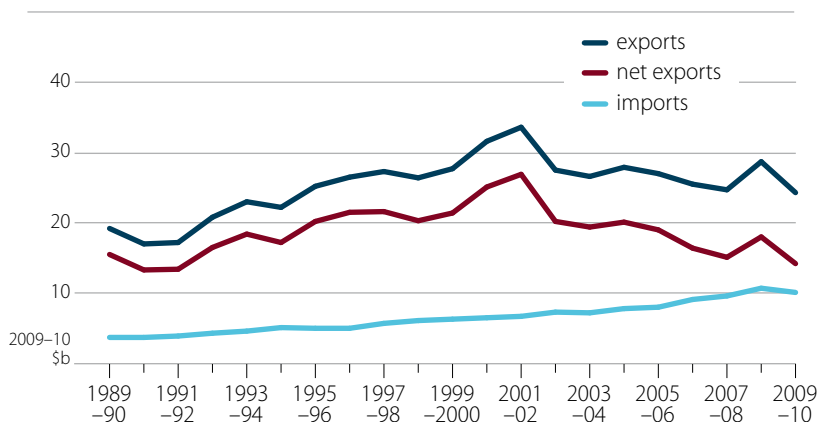
In 2009–10, the values of minimally transformed and substantially transformed exports declined by 20.7 per cent and 9.6 per cent respectively. The decline in minimally transformed exports largely reflected lower world prices for grains and a higher Australian dollar exchange rate.

The value of Australian food imports decreased to \$10.1 billion in 2009–10, \$0.3 billion or 3.1 per cent lower than in 2008–09 (Figure 10). Australia is a significant net exporter of food, with an export surplus of \$14.2 billion over food imports in 2009–10.

## Overview

Substantially transformed imports made up 93 per cent of Australia's food imports in 2009–10. In 2009–10, however, the value of Australia's imports of minimally transformed food increased by 15 per cent, at the same time the value of substantially and elaborately transformed food imports declined by 4 per cent. The key driver of the increase in minimally transformed imports was increased imports of fruit and nuts.

### 10 Trends in Australian food trade

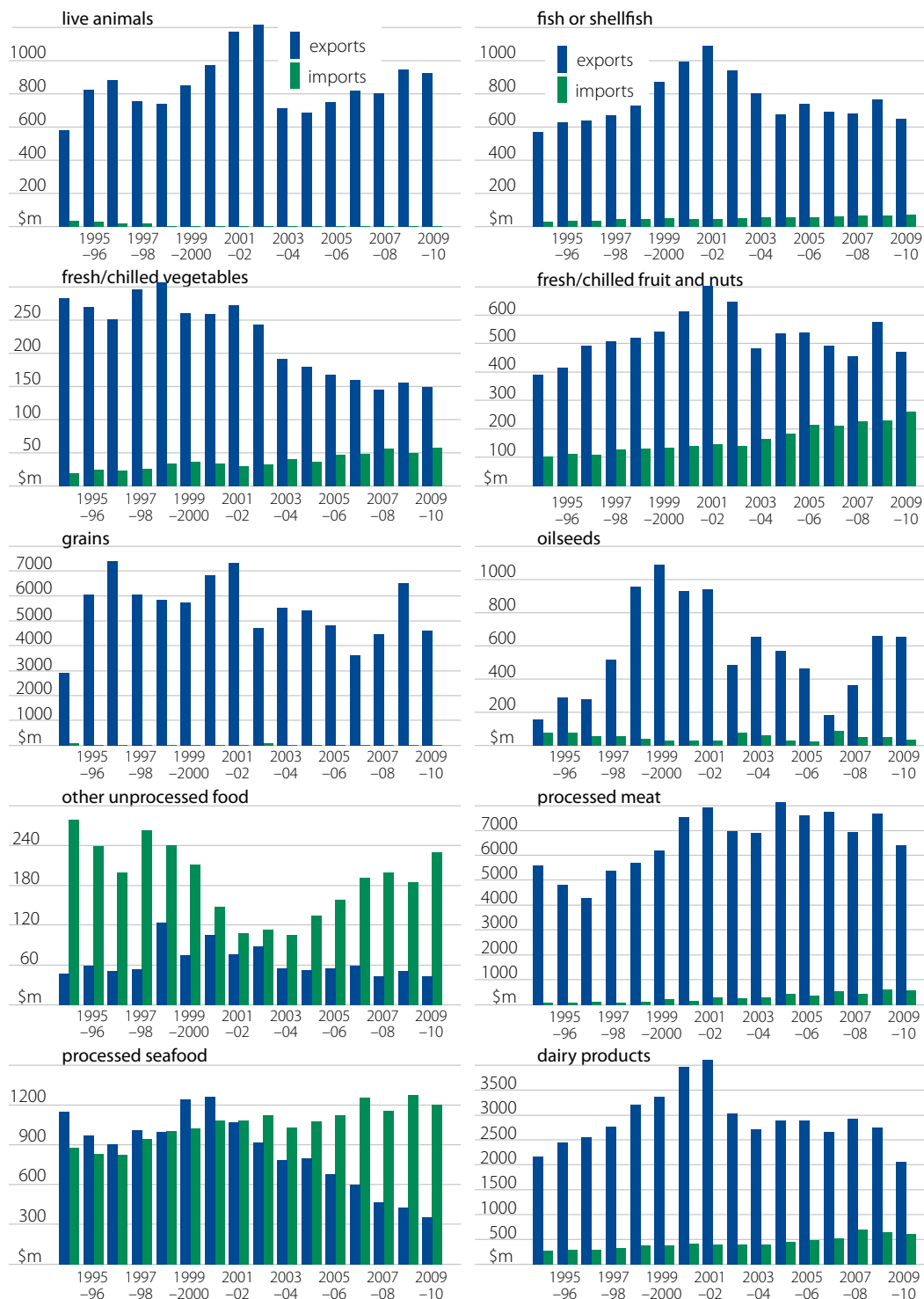


A detailed overview of Australia's food exports and imports by sector over the period 1994–95 to 2009–10 is provided in Figure 11. The grains, meat, wine, beer, malt and spirits and dairy industries have been the major contributors to the overall growth in Australia's food export earnings since the mid 1990s. In contrast, export earnings from processed seafood, processed fruit and vegetables, sugar and fresh/chilled vegetables have declined.

Major contributors to the growth in imports have been processed fruit and vegetables, processed food not elsewhere classified, bakery products, confectionary, beer and malt and wine.

### 11 Australian food exports and imports, by sector

in 2009–10 dollars

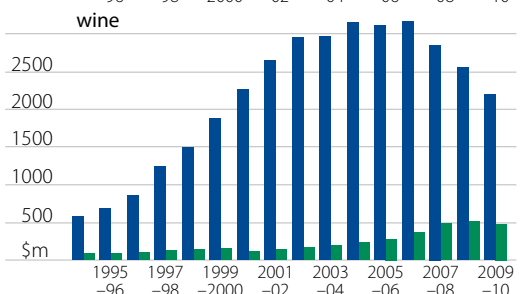
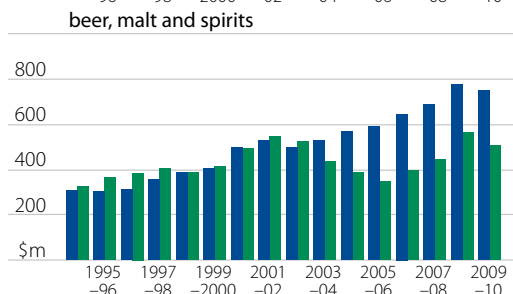
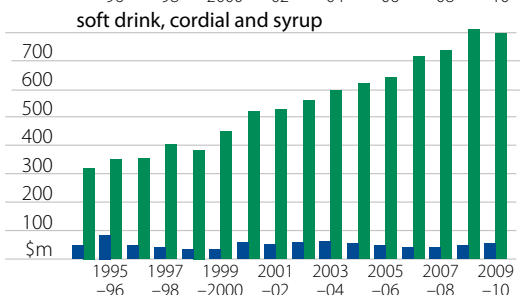
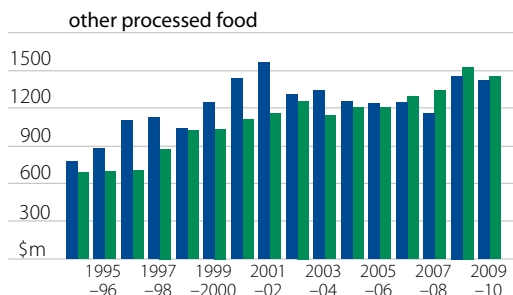
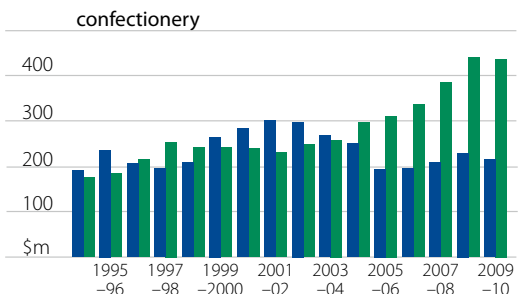
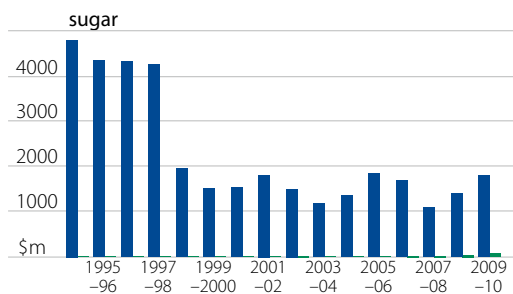
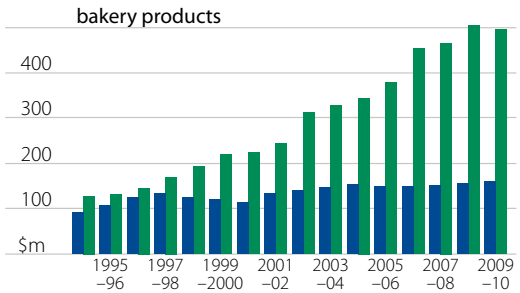
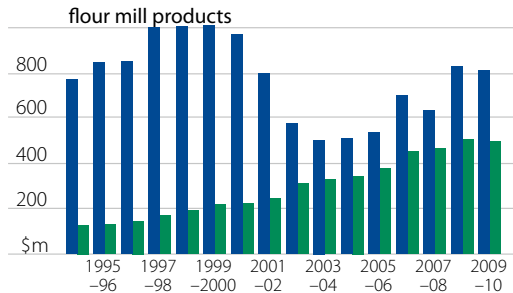
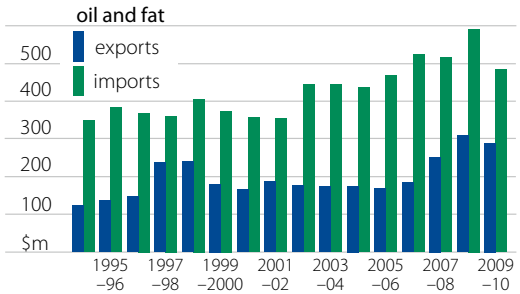
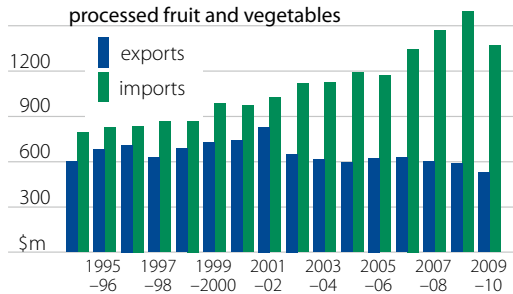


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# Overview

## 11 Australian food exports and imports, by sector *continued*

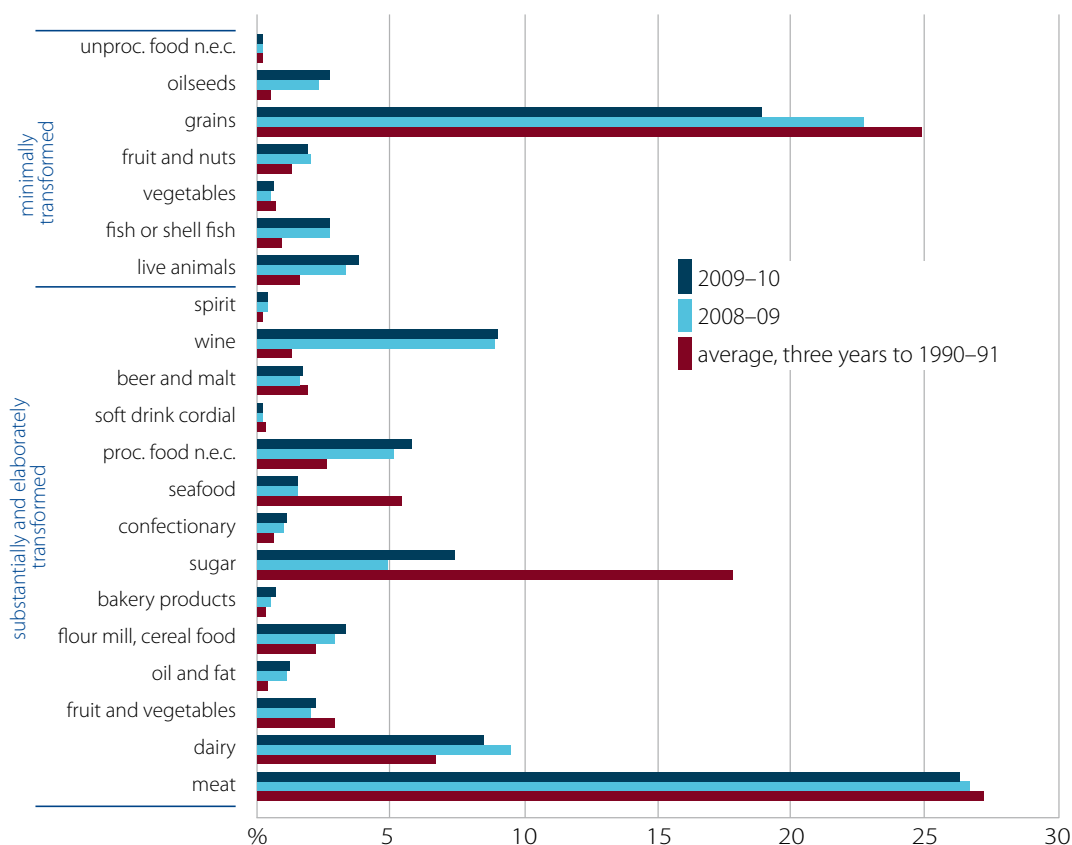
in 2009–10 dollars



## Australia's main food exports

The relative contribution of different food categories to the value of food exports in 2009–10 is outlined in Figure 12. Meat and grains have consistently been the two largest sectors. Meat exports accounted for 26 per cent of the value of food exports in 2009–10, down only slightly from 2008–09. Grains accounted for 19 per cent of the value of food exports in 2009–10, down from 23 per cent in 2008–09.

### 12 Composition of Australian food exports



## Markets for Australian food exports

Japan remained the largest destination for Australian food exports in 2009–10. However, Japan's share has declined compared to twenty years ago as other countries in Asia — mainly Indonesia, China, Malaysia, Thailand and the Philippines — grew in importance as export markets for Australian food exports (Figure 13). Over time

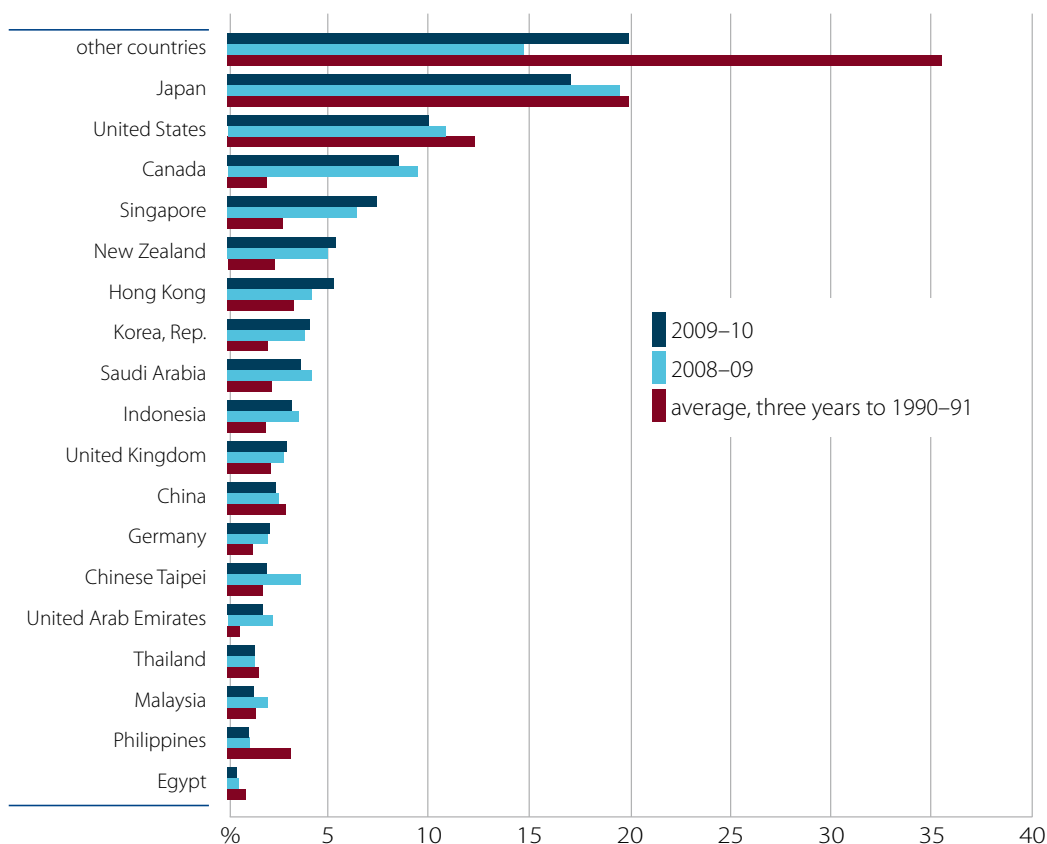


## Overview

Australian food exports have also become more concentrated in geographical terms, with the share of the top 15 export destinations increasing to more than 80 per cent in 2009–10, compared with around 67 per cent in the early 1990's.

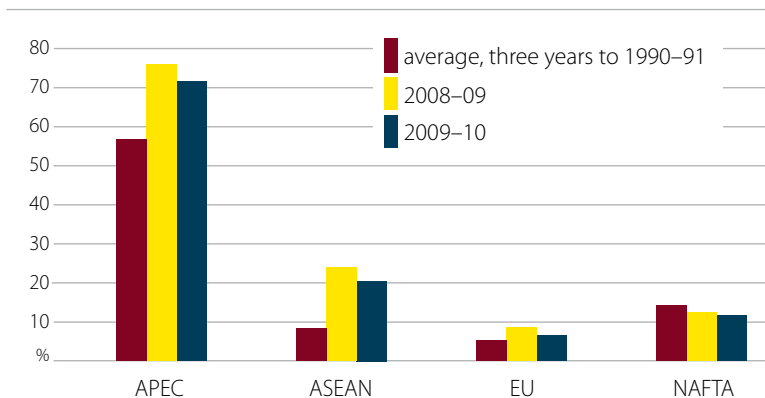
Indonesia is the emerging market for Australian food exports. Indonesia accounted for 8.5 per cent of the total value of Australian food exports in 2009–10, a more than fourfold increase since 1990–91.

### 13 Value shares of Australian food exports, by country of destination



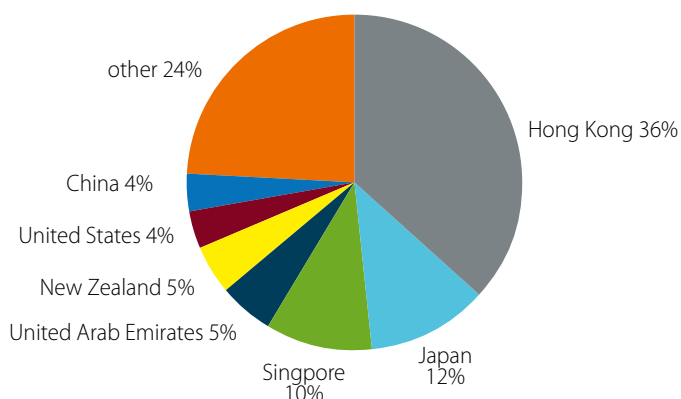
The ASEAN group of countries (Burma, Brunei Darussalam, Cambodia, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand and Vietnam) are rapidly growing in importance as destinations for Australian food exports, despite a slight decline in the share in 2009–10 (Figure 14). The ASEAN-Australia-New Zealand Free Trade Agreement (AANZFTA) came into force in early 2010 and is expected to improve the competitiveness of Australian food exports to the region, especially for dairy products.

**14 Value shares of Australian food exports, by country destination groupings**



**15 Value share of Australian air freight exports, by destination, 2008-09**

Total value: \$1.68 billion



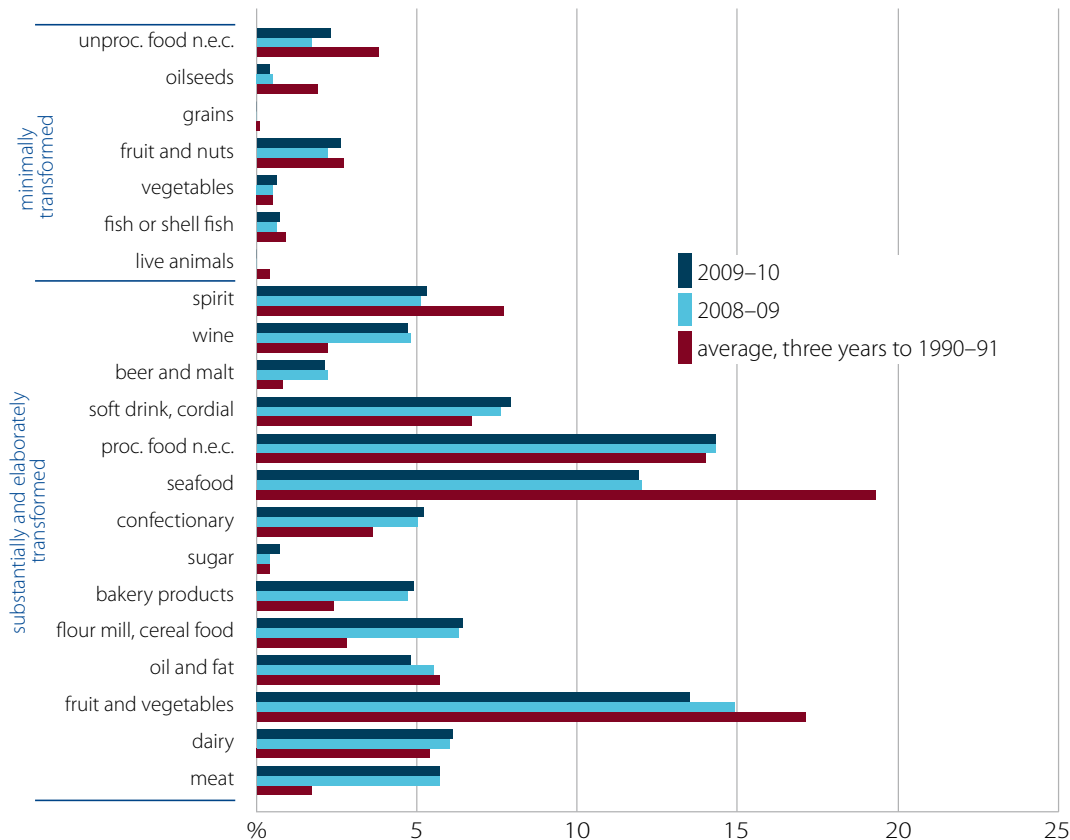
The value of Australian airfreight food exports increased to a record \$1.68 billion in 2008-09, nearly \$350 million or 27 per cent higher than in 2007-08 (Figure 15). The main contributors to this increase were fresh fish and shellfish (up \$144 million); live animals (up \$95 million); and meat products (up \$45 million). The main destinations for air freighted food exports are higher income countries in Asia, mainly Hong Kong, Japan and Singapore.

**Australian food imports**

The composition of Australian food imports changed slightly in 2009-10 (Figure 16). The major food categories to increase in value in 2009-10 were sugar (up \$28 million) and fresh fruit, nuts and vegetables (up \$45 million). This increase in import value was more than offset by the decline in processed fruit and vegetables (down \$192 million), oil and fat (down \$93 million) and processed seafood (down \$49 million). The value of Australian food imports decreased by 3 per cent to \$10.1 billion in 2009-10, \$0.3 billion lower than in 2008-09.

## Overview

### 16 Composition of Australian food imports

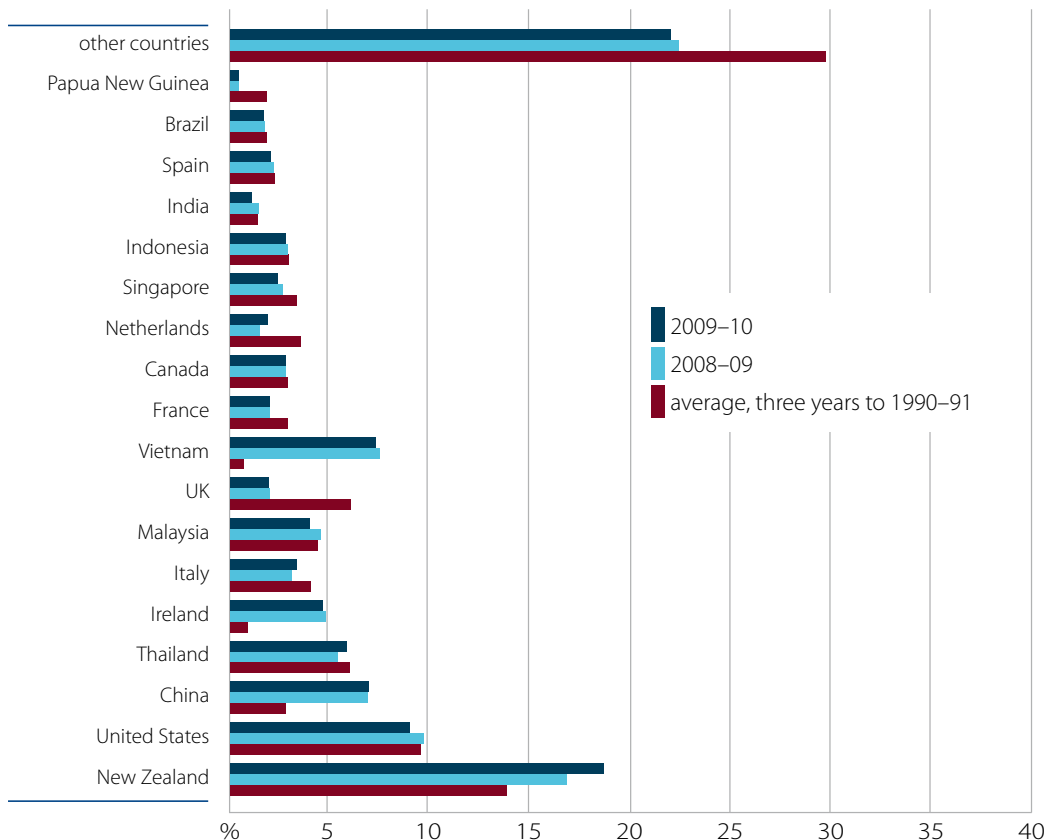


New Zealand remains the major source of Australia's food imports, accounting for \$1.88 billion or 18.6 per cent of total Australian food imports in 2009-10 (Figure 17). The main countries gaining market share in Australia's food import market in 2009-10 were the United States, Thailand, China and Malaysia. Over the past 20 years China's share in Australia's food imports has increased from 2.8 per cent in the three years to 1990-91, to 7.2 per cent in 2009-10.

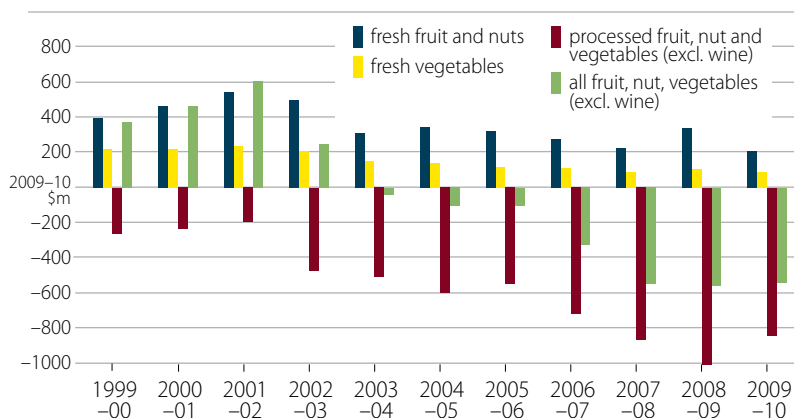
Australia became a net importer of fruit, nuts and vegetable products (excluding wine) in 2003-04 (Figure 18) but has remained a net exporter of fresh fruit and vegetables. Imports of fruit, nuts and vegetable products are largely tree nuts, fresh fruit (mainly citrus, grapes and tropical fruit), fruit juice (mainly orange and apple juice), vegetable oils and canned fruit and vegetables.

Kim, Thompson and Penm (2010) point to counter-seasonality as being an important element in Australia's trade in fresh fruit and vegetables. For example, the value of trade in oranges between Australia and the United States has exhibited significant

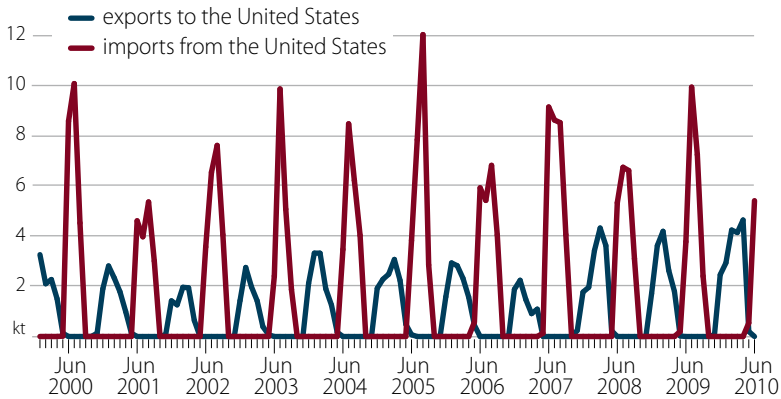
### 17 Value shares of Australian food imports, by country of origin



### 18 Australia's net exports of fruit, nuts and vegetables



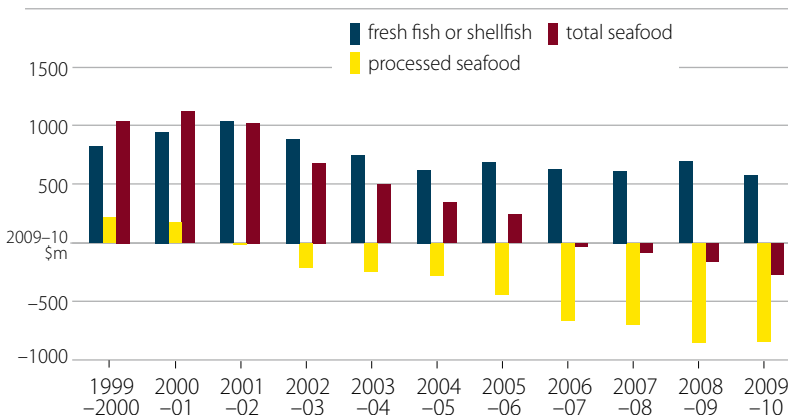
**19 Australia–US monthly trade in oranges**



seasonality. Australia’s orange exports to the United States typically peaking in the middle of each year and imports from the United States typically occur in Australia’s summer (Figure 19). Similar counter-seasonal patterns are also evident with Australia’s exports and imports of other fresh fruit and vegetables, such as asparagus, grapes and tropical fruit.

Australia has increasingly become a net importer of processed seafood since 2000 (Figure 20). However, Australia remains a net exporter of fresh fish and shellfish. A key driving factor behind these movements was a fall in the volume of production of fisheries products. Australian fisheries exports are dominated by high value species such as rock lobster, tuna and abalone, while imports largely consist of lower value product such as frozen fish fillets, canned fish and frozen prawns (ABARE-BRS 2010). The appreciation of the Australian dollar since 2000 has also made seafood imports

**20 Australia's net exports of seafood**



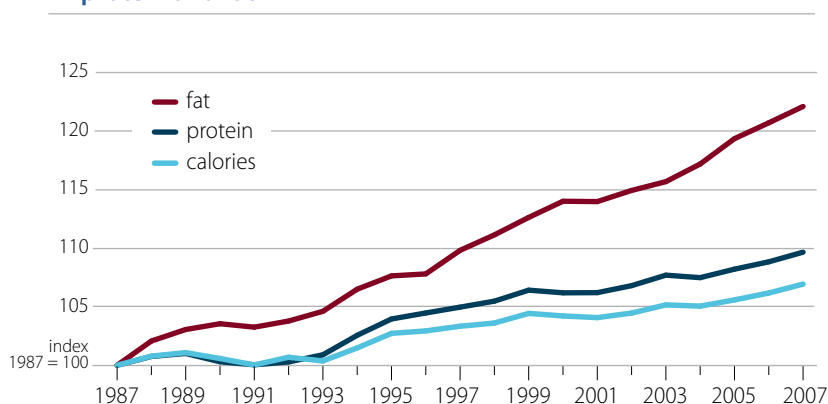


cheaper from countries like Vietnam and China, and these have become an established part of the Australian seafood market.

## World food consumption and trade

World food consumption continues to rise and change in composition over time. The consumption of fat, protein and calories has grown at average annual rates of 0.9 per cent, 0.49 per cent, and 0.33 per cent (respectively) since 1987 (Figure 21). This growth has been driven by a growing world population and higher consumer incomes.

**21 World trends in per capita consumption of calories, protein and fat**



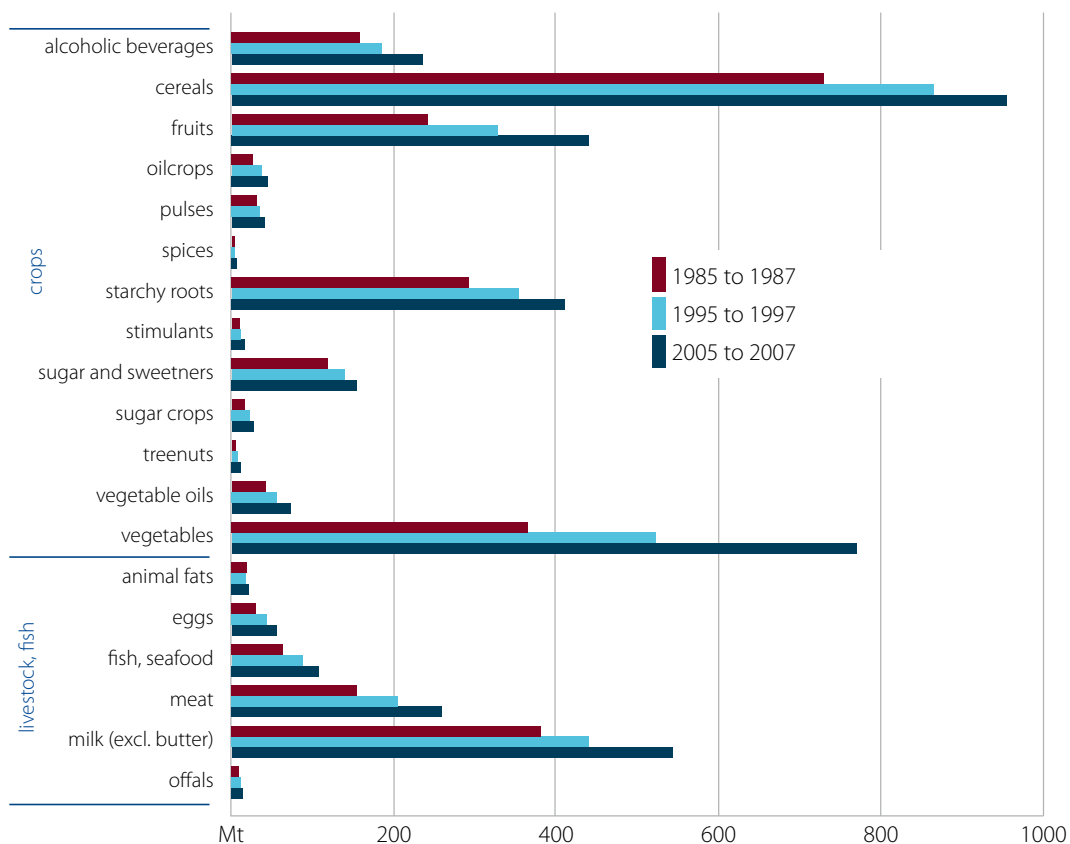
The changing pattern of world food consumption is illustrated in Figure 22. Between 1985–87 and 2005–07 the largest proportional increases in consumption have been for tree nuts (157 per cent), vegetables (111 per cent), spices (95 per cent), eggs (85 per cent), fruit (83 per cent) and vegetable oil (74 per cent). Over the same period, meat and milk consumption increased by 67 per cent and 42 per cent respectively.

The broad relationship between food consumption and income is that the intake of nutrients (calories, protein and fat) increases as income increases but at a diminishing rate (Figure 23). Some higher income countries have almost doubled the intake of these nutrient types compared with some lower income countries.

The value of world food exports in 2009 was an estimated US\$901 billion, down 15 per cent from the record of US\$1055 billion in 2008. The decline was due mainly to the world economic downturn in 2008–09 combined with lower world agricultural

## Overview

### 22 World consumption of edible crop, livestock and fish products <sup>a</sup>



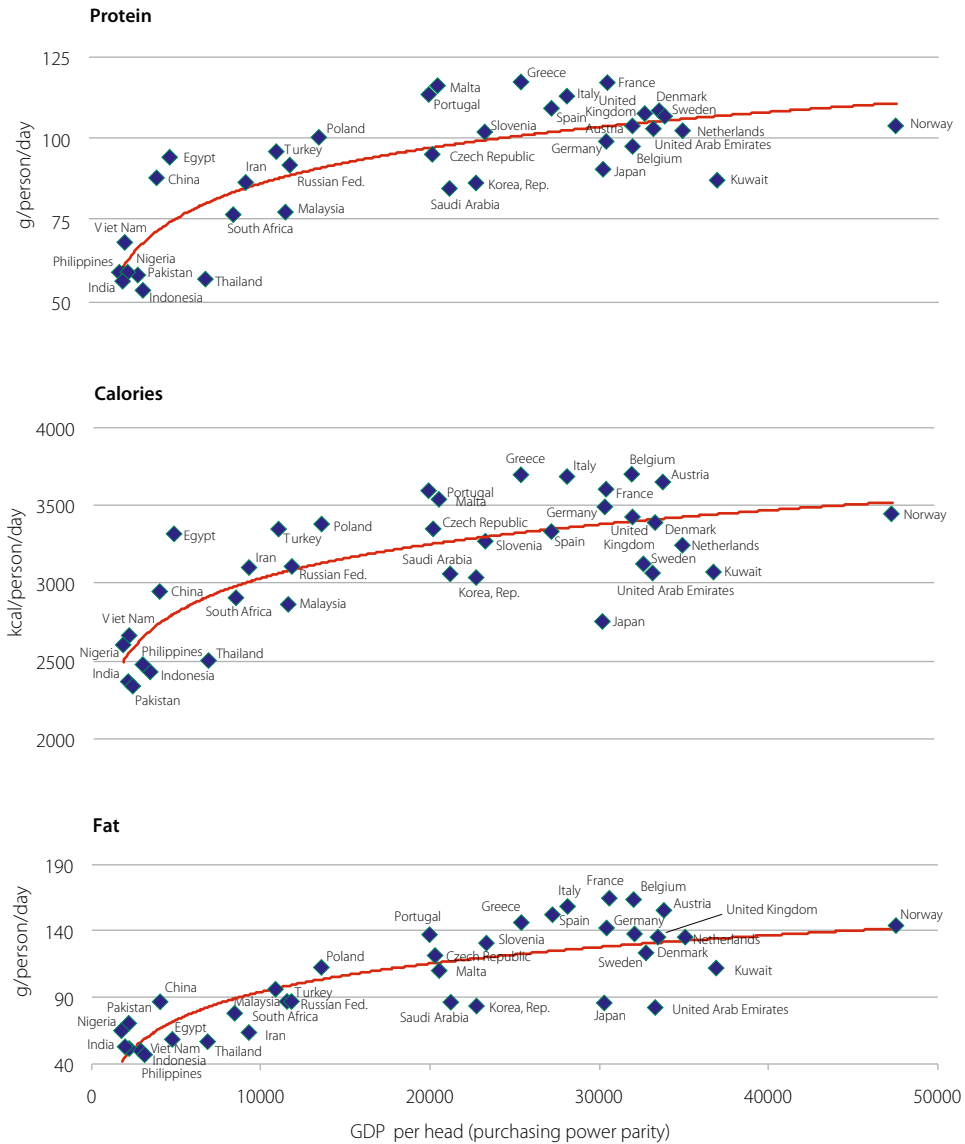
<sup>a</sup> In crop, livestock and fish primary equivalents.

Source: FAO.

commodity prices. The only commodities to record an increase in export value were sugar (up 4 per cent) and cocoa (up 8 per cent). The United States remained the world's largest food exporter in 2009, with a share of 10.6 per cent by value of world food exports, about the same share as in 2008 (Table B). As a share of world export value, the importance of the United States has increased steadily since 2005, aided by improving grain and oilseed prices. The United States was also the world's largest importer of food in 2009, with a share of 9.3 per cent of the total world value.

Since 2000, China's importance as both a food exporter and importer has increased (Figure 24). Annual growth in the real value of Chinese food imports was 17.7 per cent a year in the 10 years to 2009, compared with 9.5 per cent for its food exports. In 2008, China became a net importer of food for the first time.

### 23 Relationship between nutrient intake and income per person, 2005–2007

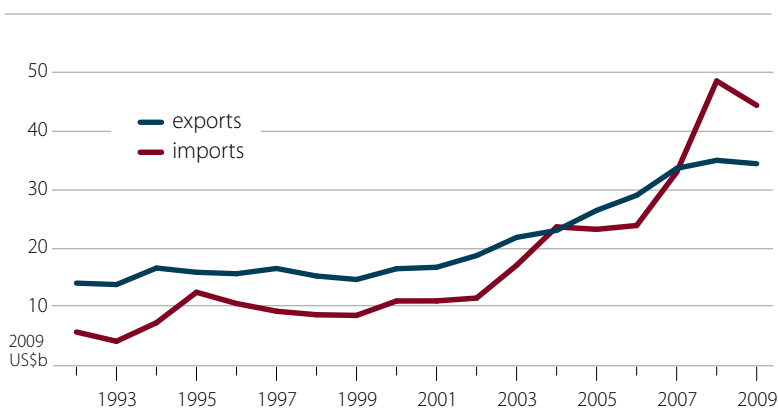


For processed foods, alcoholic beverages were the most globally traded food and beverage products in value terms in 2009, followed by meat (Figure 25).

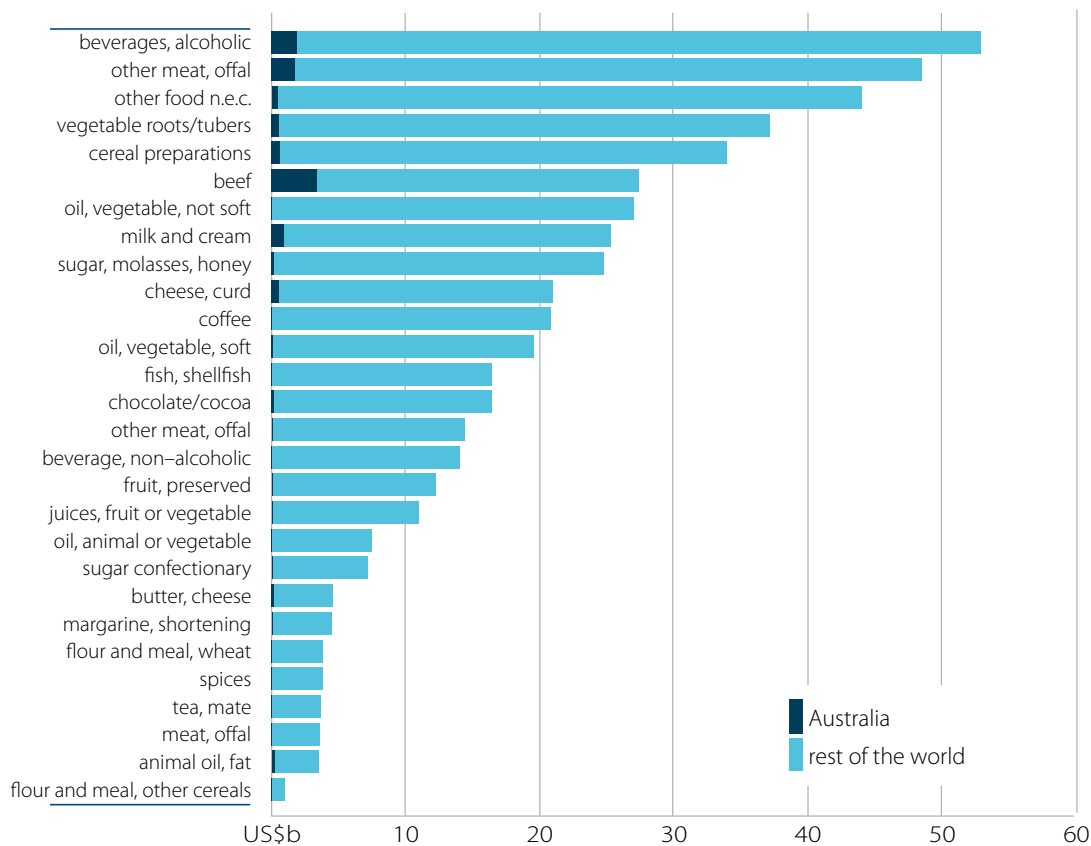
## B Main food trading countries, by value of trade, 2009

Rank	Country Exporters	Share %	Rank	Country Importers	Share %
1	United States	10.6	1	United States	9.3
2	Netherlands	6.5	2	Germany	7.8
3	Germany	6.5	3	Japan	5.9
4	France	6.3	4	United Kingdom	5.6
5	Brazil	5.8	5	France	5.2
6	Belgium	3.8	6	China	4.8
7	China	3.8	7	Netherlands	4.4
8	Spain	3.7	8	Italy	4.2
9	Canada	3.7	9	Belgium	3.5
10	Italy	3.6	10	Spain	3.4
11	Argentina	3.0	11	Russian Federation	2.8
12	United Kingdom	2.5	12	Canada	2.7
13	Thailand	2.4	13	Mexico	1.9
14	Australia	2.2	14	Korea, Republic	1.7
15	Indonesia	2.1	25	Australia	0.9

### 24 Chinese food imports and exports



### 25 World exports of substantially transformed food, 2009

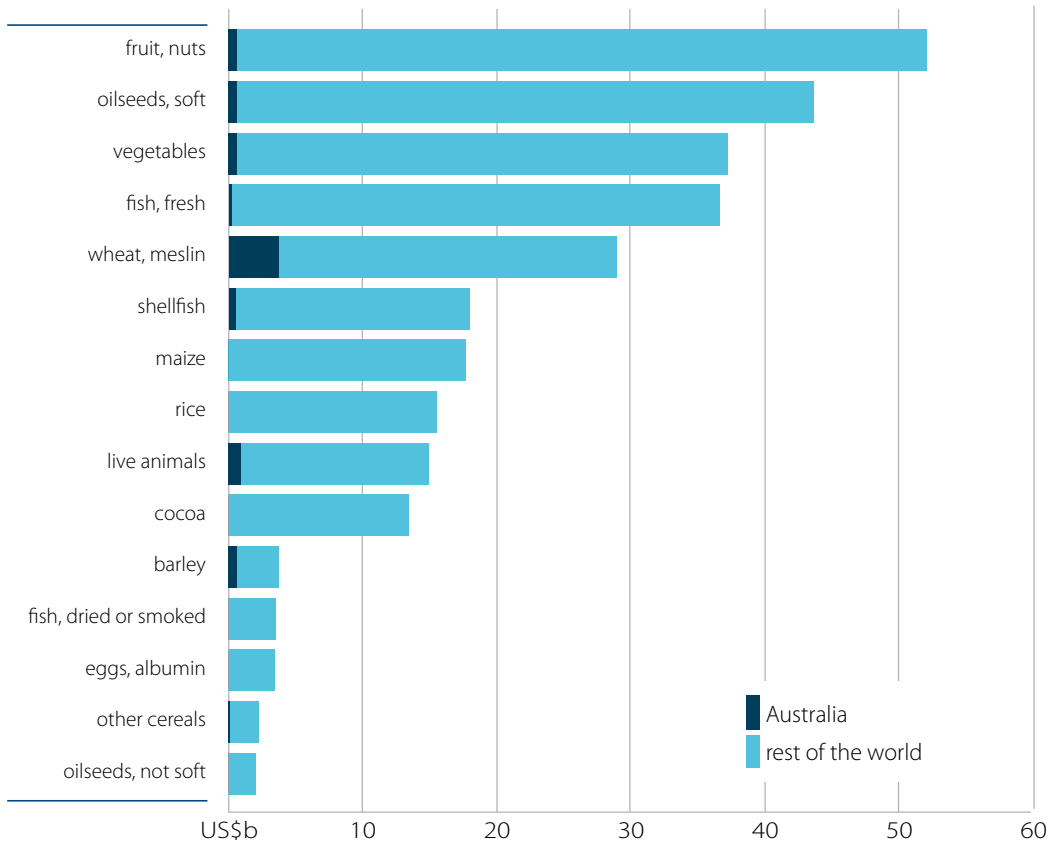


Fruit and nuts were the highest value unprocessed foods traded globally in 2009, followed by oilseeds, vegetables and fish (Figure 26).



## Overview

### 26 World exports of minimally transformed food, 2009



Australia ranked 14th in the world as a food exporter in 2009 and 25th as a food importer. Australia is a significant exporter on a world scale for food products such as bulk wheat, sugar, barley, beef and sheep meat, live sheep and cattle and alcoholic beverages (mainly wine).

## References

ABARE-BRS 2010, *Australian Fisheries Statistics, 2009*, Canberra, August.

Kim, M., Thompson, N. and Penm, J. 2010, 'Recent trends in Australia's food trade' *Australian Commodities*, vol. 17, no. 2, Canberra.



# Water sustainability in Australia's food processing industry

## Introduction

A sustainability report on the food processing sector has found the industry has the opportunity to reuse 33 gigalitres (GL) of water a year, or the equivalent to 33 000 Olympic sized swimming pools.

The 2009 report Water reuse industry survey, review & policy by Food Science Australia (a joint venture of the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and the Victorian Government) commissioned by the Australian Food and Grocery Council (AFGC) and co-sponsored by Woolworths and the Department of Agriculture Fisheries and Forestry (DAFF). This article outlines the key findings of the study.

Population growth, urbanisation and the effects of climate change are increasing the demands on limited resources (Kirby et al 2003). The food production industry which uses water for irrigation, livestock watering and aquaculture, accounts for more than two-thirds of all fresh water consumed worldwide. The food processing industry also consumes high levels of water per tonne of food produced, but this is significantly lower than that of primary production.

As part of the report, Food Science Australia surveyed AFGC members seeking information on:

- water sources for the food manufacturing industry
- current water reuse and recycling activities
- the drivers and barriers to adopting water use technologies
- future reuse opportunities.

The questionnaire surveyed 30 food companies representing 43 processing sites across Australia and non-commercial bodies including Murray Valley Water Authority, the Victorian Government Department of Human Services and the Victorian Environment Protection Agency.

### Water use and reuse in the food industry

A paper in the Australian Food Statistics 2007 publication notes that 66 per cent of Australia's water is used by agriculture. Households consume 11 per cent of Australia's water, manufacturing and mining each account for two per cent and food processing uses just 1 per cent. The Australian food processing sector uses 215 GL per annum, which represents 1 per cent of water used in the agri-business sector. The report also suggests that water used in food processing typically represents around one-tenth of total household water use. Nevertheless, there are some regions of Australia where the food processing industry accounts for up to 50 per cent of the town's water consumption and these industries make an important contribution to the economy and wellbeing of rural communities.

### Water use minimisation

Food processing companies have an ongoing interest in reducing water consumption. Kirby et al. (2003) and Cassani et al. (2005) have described ways of reducing water consumption in food processing plants including:

- reduction in uncontrolled use
- improved planning and control
- water reuse (multiple passes)
- water recycling after treatment
- layout design improvement.

A full understanding of process operations in processing plants is crucial to devising water reduction schemes. According to Kirby et al (2003), water consumption can be reduced by up to 30 per cent just by raising awareness, introducing monitoring programs and introducing taps that automatically shut off when they are not in use. By adopting simple cultural and operational changes to factory operations such as those described by Kirby et al. (2003), Matsumura and Mierzwa (2008) achieved almost a 31 per cent reduction in water use at a poultry processing plant. Similarly, Ait-Hsine et al. (2005) outlined a way to reduce water consumption in the soft drinks industry by installing automatic shut-off valves and high pressure, low volume jets for hosepipes.

# Water reuse technology used in the food processing industry

Water reuse in the food industry needs to address both water consumption minimisation methods while also maintaining food hygiene and product quality. Technologically, it is possible to use a range of water treatment processes to maintain food hygiene and product quality. There are three main water treatment stages including:

- primary treatment - physical screening or sedimentation to remove suspended solids
- secondary treatment - biological processes
- tertiary treatment - removal of pathogens, chemical contaminants and nutrients.

Various water treatment technologies including the physical screening, sedimentation to remove suspended solids, biological processes and removal of pathogens, chemical contaminants and nutrients can be used to purify wastewater to a drinking quality standard.

A wide range of water reuse techniques is available for primary, secondary and tertiary treatment of water in the food processing industry, including:

- membrane filtration
- microfiltration
- ultrafiltration
- nanofiltration
- reverse osmosis
- activated carbon
- advanced oxidation technologies
- photolysis
- oxonisation
- fenton oxidation
- heterogeneous photocatalysis
- electrochemical oxidation
- ultrasound irradiation
- water disinfection
- chlorine gas
- chlorine dioxide
- hypochlorites
- ozone
- ultraviolet (UV).

Though these technologies are effective in treating wastewater, wastewater reuse in food manufacturing can be limited due to safety and regulatory concerns and public perception.

### Water reuse in the food industry

There are numerous examples of wastewater treatment processes designed specifically for food processing operations and industries. A representative selection of the literature on this topic is cited to demonstrate the scope of technologies, applications and scientific investigations. It is important to note that recovered water can only be reused in safe applications (and typically not for food contact purposes).

In the meat industry, chiller shower water - used to cook sausages - can be purified by combining sedimentation, membrane filtration and UV disinfection technologies.

Dairy industry wastewater has been reused after membrane separation and reverse osmosis has been applied.

The beverage industry can reuse spent process water after purification through microfiltration, oil skimming, stage nano-filtration and UV disinfection; or a combination of biological treatment and membrane separation.

Wastewater generated from fruit juice product lines can be treated for reuse by applying membrane separation techniques. Miyaki et al. (2000) developed and implemented a water recycling system at a soft drink company utilising floating media filtration and nanofiltration.

Wastewater from margarine and soup production lines can be turned into high quality water by using membrane bioreactor technology. The Kimchi (a salt pickled and fermented food) industry produces wastewater as a result of brining and rinsing raw vegetables. This salty water can be reused after it's treated with chemical precipitation and microfiltration.

Water used in the bakery industry to clean equipment is high in flour, sugar, starch and yeast. Treating this water with coagulation-flocculation and a biological reactor increases the water quality to a standard suitable for reuse in some applications.

In general, membrane technologies must be employed to bring food processing wastewater to a suitable drinking quality.

### Survey

The survey gathered information on water sources for the food industry; current water reuse and recycling technologies; drivers and barriers to reuse and future opportunities (see figures and tables from pages 35 to 40).

## Water sustainability in Australia's food processing industry

The key survey findings were:

- The industry uses a variety of water sources including town water, water sourced directly from local rivers, storm water and water recovered as condensate from products like milk. Town water is the main source for food manufacturers.
- 73 per cent of responses engaged in reuse or recycling of water, reused water directly added to products accounted for only 8 per cent of total water reuse.
- It was estimated that on average only 10 per cent of water used was directly added to the product while 51 per cent of water was used on food contact surfaces.
- Very little of the water consumed by food companies is added to food products. The water is mainly used in food cleaning procedures.
- Water pricing is largely based on the cost of supply facilities and management and not on scarcity of water. The average price of town potable water was \$1.1 per kL (range; 0.6 to 2.1); the average price for channel water was \$0.066 per kL (range for 5 responses; 0.064 to 0.07) and river water costs \$0.04 per kL (1 response).
- The food processing sector accounts for more than 30 per cent of the water used in manufacturing in NSW, Vic and Qld (DAFF 2007). The low price of fresh water compared to the cost of water treatment technologies was reported to be the greatest impediment to the implementation of reuse strategies by industry.
- A prominent issue among industry respondents was the possible risk – either real or perceived – to the reputation, quality and safety of food products associated with use of recycled water.
- The industry can apply water treatment technologies to purify and reuse wastewater produced on site. There are numerous examples of wastewater treatment processes designed for specific food and grocery processing operations.
- Almost two thirds of industry respondents had completed some water efficiency measures.
- A range of collaborative and cooperative initiatives between industry and government could be implemented to encourage water reuse by food manufacturers. These could include recognition or reward schemes for sectors or companies which achieve water reuse or recycling targets, and R&D funding to encourage innovation in water reuse technologies and processes.
- Of the 41 survey response, 76 per cent indicated potential additional future water reuse opportunities. A 20 per cent increase in future water reuse was the predominant response as a realistic target provided by 17 company respondents. This would represent an additional potential water reuse volume target of 33 GL per annum for the food manufacturing industry, within 5 years.

## Water sustainability in Australia's food processing industry

- The survey revealed that only 8 per cent of water is currently reused in the food industry. When taking into account the 5 year water reuse target of 33 per cent with the remaining 59 per cent of water not reused.
- While there were isolated incidences of high levels of reuse these represented either a showcase site or the two highest volume users (a paper goods manufacturer and dairy processor) in the survey. There was a range of estimates for reuse from 0.5-100 per cent with an average estimate of 23 per cent reuse of total water consumption.
- The sustainability of food manufacturing operations is dependent on availability of potable water for both the manufacturing and production requirements. Local availability and usage of water is determined by whether use is environmentally sustainable. Local water stress measurement for each manufacturing site is therefore important in assessing the sustainability of particular end-users.
- Respondents to the survey identified the role of water authorities and government as a major influence on water saving at the regional level (Table D).

## Barriers to uptake of water reuse and implications for government and industry policy

The study's findings highlighted a number of issues with possible implications for government or industry policy. A common theme in the survey was the reliance on governments to provide the necessary infrastructure and regulatory framework to determine water availability and price. Another common theme was the emphasis placed on determining water balances and conducting water use audits to support the implementation of in-house water efficiency programs. This was seen as a way to deliver savings without resorting to the extensive capital investment required with implementing water treatment processes for reuse applications.

The unrealistic payback times on capital acquisition of treatment technologies is limiting the uptake of water reuse technologies. In some situations, this overshadows the longer term need to ensure quality water sources to maintain production capacity.

Another consideration is the potential trade-off in which treating water for reuse could increase energy consumption and carbon emissions. This could apply in factory situations or for irrigation.

The general consensus from survey respondents was that while water is a cheap production input, the price is likely to increase over the next few years as governments recover the costs of increased water infrastructure to service increased water demand in some jurisdictions. This may increase food manufacturers' focus on water efficiency



## Water sustainability in Australia's food processing industry

and minimisation programs in the future. Consistent with this, survey responses indicate that there is increasing activity in water efficiency endeavours at the factory level. It is not yet clear if this will include the implementation of water treatment processes to facilitate a greater degree of water reuse by food businesses.

Other considerations in the treatment and reuse of water in factories include food safety and the cost of process controls to ensure treated water meets the Australian Drinking Water Guidelines. Food safety regulations require that water that comes into contact with food or food contact surfaces be treated to ensure it is safe for consumption. The technology exists to achieve this standard but generally businesses consider it cost-prohibitive. A payback period of three years was cited as the normal time period for a return on capital investment. For some respondents this had reduced to one year, under the economic circumstances in 2008–09.

Rainwater is another possible source of water for food contact use. In some cases, appropriately collecting, filtering and treating rain water is less technically challenging than processing wastewater. In some cases this may be a suitable source for direct addition to products, given the relatively small volumes required compared to water for other factory operations.

Climate change poses a number of strategic challenges for food processors located in regions that may be subject to long periods of high water stress. The adoption of water reuse is most applicable in these regions but food processors might reconsider the location of their operations, depending on the prospects for the water supply and anticipated effects of climate change on local primary production.

In regional areas, water usage from food manufacturing operators can account for 20 to 50 per cent of all water supplied by the local authority. Therefore regional water policy and authorities will play a critical role in providing incentives for water reuse initiatives. The comparison of water usage per unit of product (L/Kg) and the economic Specific Water Consumption (L/\$) measures identify that meat, fruit and vegetable food processing sectors rank highest. The sectors with higher water use may offer an opportunity to implement water reuse opportunities where a greater impact could be achieved.

## Outline of Australia's regulatory framework for water use and reuse

The Australian Government and state food authorities regulate the use of water in food processing. In most cases food authorities advise that water used in food processing needs to be equivalent to that described in the Australian Drinking Water Guidelines.

### National level

#### The National Water Commission (*National Water Commission Act 2004*)

The National Water Commission (NWC) is an independent statutory authority within the Australian Government Department of Sustainability, Environment, Water, Population and Communities portfolio. The NWC was established under the *National Water Commission Act 2004* and advises the Council of Australian Governments (COAG) and the Australian Government on national water issues and the progress of the National Water Initiative (NWI).

Under the NWI, governments have committed to preparing water plans that:

- provide for the environment
- deal with over-allocated or stressed water systems
- introduce registers of water rights and standards for water accounting
- expand the trade in water
- improve pricing for water storage and delivery
- meet and manage urban water demands.

#### Murray-Darling Basin Authority

The Murray-Darling Basin Authority (MDBA) is an independent statutory authority within the Australian Government Department of Sustainability, Environment, Water, Population and Communities portfolio. The MDBA was established under the *Water Act 2007*. The MDBA is responsible for preparing, implementing and enforcing a basin plan for the management of the basin's water resources.

The *Water Act 2007* states that the purpose of the basin plan is to provide for the integrated management of the basin's water resources in a way that establishes and enforces environmentally sustainable limits on the quantities of surface and ground water taken from the basin. The Plan is also required to provide water quality and salinity objectives and targets for basin water resources.

Other Australian Government agencies that are involved in water planning, policy and management include:

- Department of Sustainability, Environment, Water, Population and Communities
- Department of Health and Ageing

## Water sustainability in Australia's food processing industry

- Australian Competition and Consumer Commission
- Bureau of Meteorology

### National and state guidelines for water treatment and quality

The Environment Protection and Heritage Council, the Natural Resource Management Ministerial Council and the National Health and Medical Research Council (NHMRC) have developed guidelines for water treatment and quality. These guidelines encompass the safe use of recycled water, managing health and environmental risks, augmentation of drinking water supplies, stormwater harvesting and reuse, and managed aquifer recharge.

### Australian Drinking Water Guidelines (NHMRC, 2004)

The 2004 Australian Drinking Water Guidelines (ADWG) provide the Australian community and the water supply industry with guidance on what constitutes good quality drinking water. The following summarises text from the ADWG:

1. Generally, drinking water should be safe to drink for people in most stages of normal life, including children over six months of age and the very old. It should contain no harmful concentrations of chemical pathogenic microorganisms, and ideally should be aesthetically pleasing in regard to appearance, taste and odour.
2. A wide range of measurable characteristics, compounds or constituents can be found in water and may affect its quality. They fall into several categories: physical, microbial, chemical (including: inorganic chemicals, organic compounds and pesticides) and radiological.
3. The appearance, taste, odour and 'feel' of water determine what people experience when they drink or use water and how they rate its quality. Other physical characteristics can suggest whether corrosion and encrustation are likely to be significant problems in pipes or fittings. The measurable characteristics that determine these largely subjective qualities are: true colour, turbidity, hardness, temperature, taste and odour, dissolved oxygen, total dissolved solids, pH and E. coli.

## State/Territory Regulatory Authorities

### Area of responsibility by state or territory for water

State	State Regulatory Authorities	Pricing and Service Regulation/ Policy	Environmental Protection	Public Health Protection
ACT	Department of Territory and Municipal Services	State Department of Finance & Treasury	Environmental Protection Authority (EPA)	ACT Health
NSW	Department of Water and Energy	New South Wales, Independent Pricing and Regulatory Tribunal	Department of Environment, Climate Change and Water NSW	NSW Department of Health
NT	Department of Natural Resources, Environment and the Arts	State Department of Finance & Treasury	EPA	Department of Health and Families
QLD	Department of Natural Resources and Water, and the Queensland Water Commission	State Department of Finance & Treasury	EPA	Queensland Health
SA	Department of Water, Land and Biodiversity Conservation	State Department of Finance & Treasury	EPA	Department of Health
TAS	Department of Primary Industries and Water Department of Health and Human Services	State Department of Finance & Treasury	Department of Primary Industries, Parks, Water and Environment	
VIC	Department of Sustainability and Environment	Victoria Essential Services Commission	EPA	Department of Health
WA	Department of Water	Western Australia Economic Regulation Authority	EPA	Department of Health

### Bulk and retail water utilities

Bulk water providers generally distribute untreated water to other water authorities that then distribute to retail users and provide sewage treatment services. The National Performance Report-urban water utilities (2007–08) provides a listing of 82 water utilities that provide urban water across Australia. The National Performance Report – rural water service providers (2007–08) provides a listing of 13 rural water providers nationally.

### Conclusions

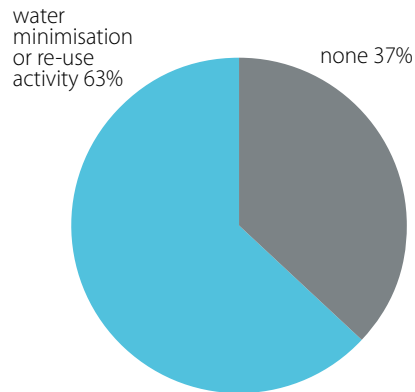
The food processing industry could potentially save 33 gigalitres per annum if it implemented water reuse technologies. The benefits of water reuse incentives and investment are three fold. It will reduce the demand on local reservoirs, deliver operational benefits through water efficiency and emphasise food manufacturing operations in regions where water stress is very high. However, there are some disincentives to water reuse measures, including capital, the cost of relatively cheap water supplies and costs of managing real or perceived safety risks.

Industry stakeholders could support appropriate efficiency or reuse measures through the delivery of information and training, for example through forums or web-based information portals. Creating incentives for investment will be critical to stimulating further water reuse activity.

## Figures & tables

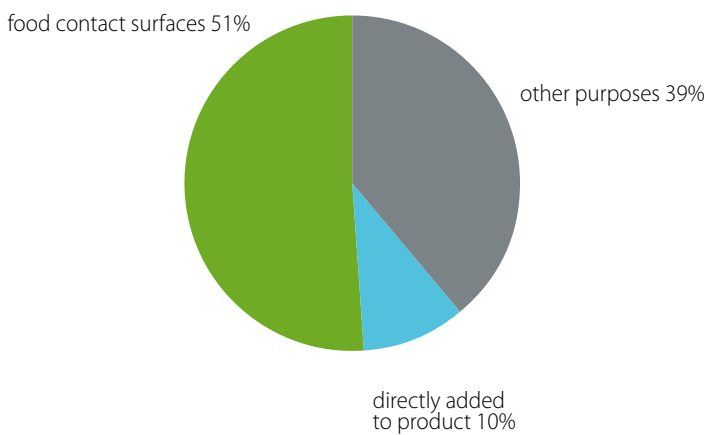
The pie-chart below shows the proportion of survey respondents undertaking water minimisation or reuse activity.

### 1 Water project activity by survey respondents



The pie-chart below shows the destination of total water used by survey respondents (from 34 respondents).

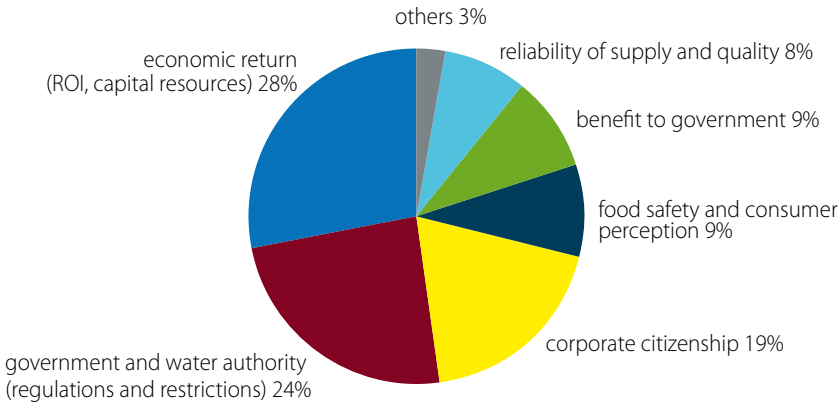
### 2 Categories of water use in food processing



# Water sustainability in Australia's food processing industry

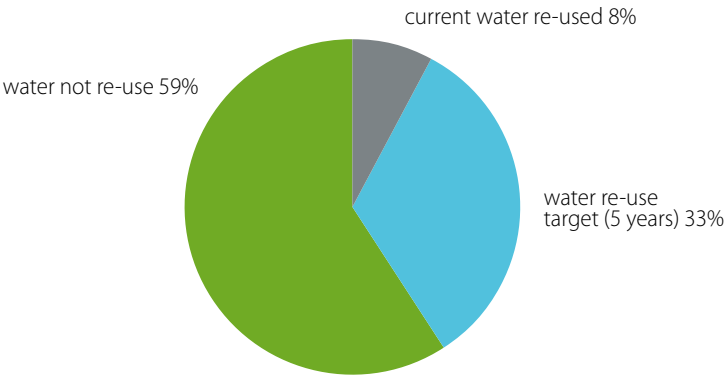
The pie-chart below shows the drivers and/or barriers for water reuse as reported by 108 survey responses.

### 3 Drivers and barriers for water re-use



The pie-chart below shows CSIRO's estimate of water re-use opportunity in the food processing industry, suggesting that a feasible reuse target would be to increase water reuse by 33 percentage points in 5 years.

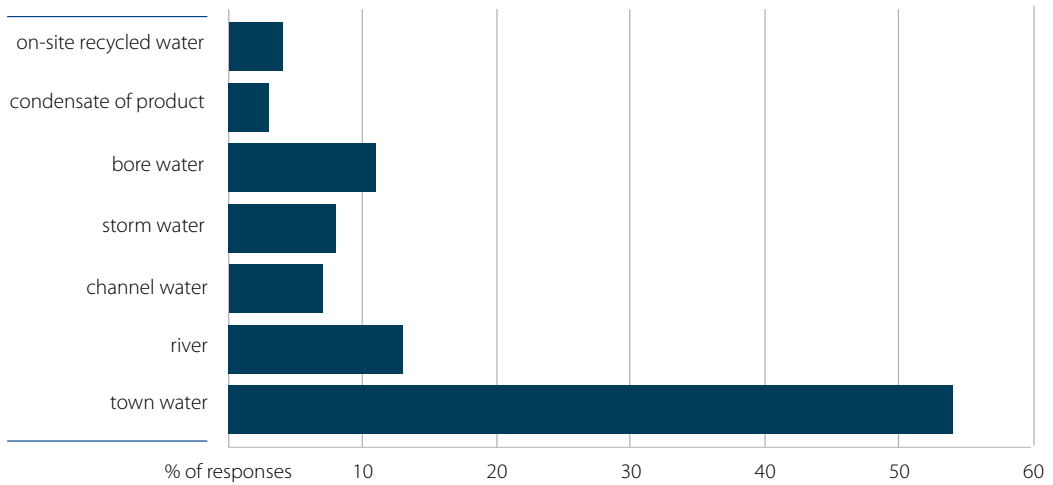
### 4 Estimated water re-use opportunity



## Water sustainability in Australia's food processing industry

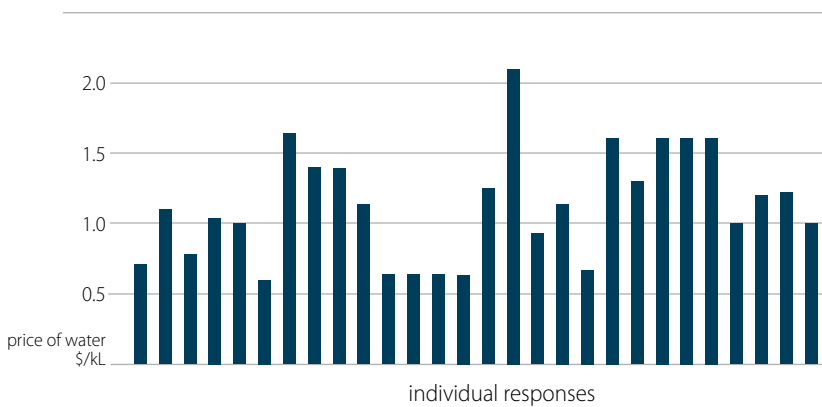
The bar graph shows the sources of water used in food processing as reported by 72 respondents.

### 5 Sources of water used in food processing



The column graph below shows the advised purchase price of town water from 27 respondents.

### 6 Respondents' advised purchase price of town water

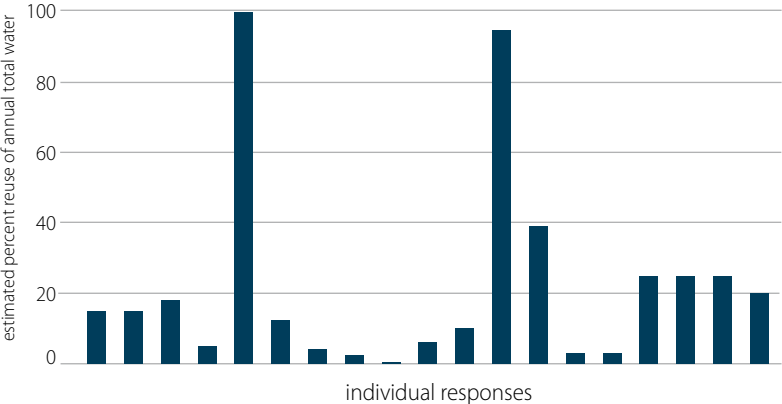




# Water sustainability in Australia's food processing industry

The column graph below shows the estimated percentage of water reused by 19 respondents.

**7 Estimated percentage of water reused by respondents prepared to provide quantitative estimate for this response**



## Water sustainability in Australia's food processing industry

### A Current water re-use or recycling practices

Total of 108 citations were recorded as drivers and barriers to water re-use and recycling practices.

Description of water re-use	Number of respondents	Frequency of responses (%)
Re-use or recycling of water	40	73
Re-used water directly added to products	40	8
Reused water in contact with food contact surfaces	40	35
Reused water applied for other purposes	40	65
Expansion of level of reuse after first implementation	41	32
Reuse of water from site in the supply chain	41	29
Utilisation of reclaimed sewage water on site	41	10

### B Respondents expecting to implement future options for water reuse

Description of category	Number of respondents	Frequency of responses (%)
Overall opportunity for future reuses	42	76
Direct addition to food products	42	5
Use on food contact surfaces	42	57
Re-use for other non-food or non-food contact purposes	42	74
Evaluation of water treatment technologies	41	68
Re-use in the supply chain	41	41
Use of reclaimed sewage water on site	41	29

### C Drivers of decisions to re-use, or not re-use water

Total of 108 citations were recorded as drivers and barriers to water re-use and recycling practices.

Description of category	Number of respondents	Frequency of responses (%)
Food safety and consumer perception	108	16
Economic	108	31
Corporate citizenship	108	12
Reliability of supply and quality	108	6
Benefit to environment	108	10
Government regulation	108	20

## Water sustainability in Australia's food processing industry

### D Regional influences on water re-use

Description of category	Number of respondents	Frequency of responses (%)
Water quality	32	15
Water availability	32	24
Government initiatives	32	29
No regional influences	32	32

### E Reasons for increasing water re-use

Description of trigger event category	Number of respondents	Frequency of responses (%)
Increased price	45	40
Decreased availability	45	29
Technology enhancements	45	9
Government intervention	45	22

### F Water Stress Index (WSI) for manufacturing localities

Food manufacturing localities*	Water Stress Index
Sutton town, King Island, Mount Gambier, Bairnsdale, Warrnambool, Camperdown, Colac, Ulverston, Tamworth, Bathurst, Yatala, Northgate, Tennyson, Toowoomba, Wacol, Melbourne, Mount Waverley, Carlton, Broad Meadows, Tullamarine, Port Melbourne, Gold Coast.	0.01 – 0.11
Charmhaven, Wyong, Berkeley Vale, Ballarat	0.20 – 0.21
Sydney, Pagewood, Minto	0.40
Adelaide	0.78
Lemnos, Stanhope, Castlemaine, Echuca, Strathmerton, Wodonga, Cobram, Shepparton, Leeton, Tatura	0.93

\* based on manufacturing localities from survey respondents.

## Full list of references for the original report

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- ACTSE (2004). Water Recycling in Australia (2004), Australian Academy of Technological Sciences and Engineering <http://www.atse.org.au/index.php?sectionid=600>.
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# 1.1 Agricultural food production, by commodity

	Unit	2005-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>Crops</b>							
<b>Grains a</b>							
Wheat	kt	21 905	25 150	10 822	13 569	21 420	21 923
Barley	kt	7 740	9 482	4 257	7 160	7 997	7 909
Oats	kt	1 282	1 688	748	1 502	1 160	1 180
Maize	kt	420	362	239	387	376	328
Rice	kt	339	1 003	163	18	65	206
Lupins	kt	937	1 285	470	662	708	823
Field peas	kt	289	585	140	268	238	356
Chickpeas	kt	116	150	229	313	443	445
Mung beans	kt	53	48	29	45	39	44
Navy beans	kt	5	5	5	8	6	6
Faba beans	kt	168	329	107	138	135	217
Lentils	kt	83	295	32	131	64	143
<b>Oilseeds</b>							
Canola	kt	1 542	1 419	573	1 214	1 844	1 920
Sunflowerseed	kt	62	77	21	73	55	41
Soybeans	kt	54	42	34	35	80	60
Cottonseed	kt	912	844	388	188	466	547
Other oilseeds	kt	70	42	34	56	34	41
<b>Other</b>							
Sugarcane	kt	37 822	37 128	36 397	32 621	31 457	31 027
Peanuts	kt	32	18	24	40	19	28
<b>Horticulture</b>							
<b>Fruit</b>							
Apples	kt	327	276	270	265	295	na
Pears	kt	148	142	135	130	120	na
Nashi	kt	4	3	3	3	3	na
Avocado	kt	33	34	47	na	38	na
Melons	kt	176	219	205	219	207	na
Pineapples	kt	104	153	165	na	158	na
Bananas	kt	266	187	213	208	270	na
Kiwifruit	kt	na	5	6	na	4	na
Mangoes	kt	47	36	58	49	41	na
Wine grapes	kt	1 938	1 873	1 410	1 837	1 684	1 533
Table and dried grapes	kt	208	200	160	120	113	112
Oranges	kt	498	507	471	409	348	na
Mandarins	kt	121	92	104	94	101	102
Lemons/limes/grapefruit	kt	47	51	43	39	31	35
<b>Nuts and berries</b>							
Almonds	kt	16	16	27	26	19	na
Chestnuts	t	800	800	na	na	na	na
Macadamia	kt	32	32	34	33	30	na
Berries b	kt	26	30	na	na	32	na

*Continued*

# Australian food production

## 1.1 Agricultural food production, by commodity *continued*

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>Horticulture</b> (continued)							
<b>Stonefruit</b>							
Peaches	kt	90	91	82	68	77	na
Nectarines	kt	40	49	49	na	40	na
Apricots	kt	20	17	17	na	14	na
Plums	kt	33	26	27	na	16	na
Cherries	kt	8	10	10	na	14	na
<b>Vegetables</b>							
Potatoes	kt	1 288	1 250	1 212	1 400	1 179	na
Onions	kt	256	222	246	254	284	na
Carrots	kt	316	265	271	273	264	na
Asparagus	kt	11	10	6	10	7	na
Broccoli	kt	56	48	46	46	44	na
Cauliflower	kt	76	77	70	64	70	na
Tomatoes	kt	408	450	296	382	440	na
Mushrooms	kt	48	44	43	47	43	na
Lettuce	kt	132	163	271	169	165	na
Capsicum/chillies	kt	47	64	58	59	49	na
Cabbage	kt	na	79	82	72	78	na
Beans	kt	34	38	29	30	28	na
Other	kt	118	325	335	476	588	na
<b>Livestock slaughtering</b>							
Cattle and calves	'000	8 853	8 401	9 081	8 799	8 702	8 384
Cattle exported live d	'000	574	549	638	713	856	906
Sheep	'000	11 443	11 830	13 271	11 158	10 501	7 333
Lambs	'000	17 331	18 666	20 158	20 529	20 395	19 478
Sheep exported live d	'000	3 233	4 248	4 138	4 069	4 064	3 055
Pigs	'000	5 342	5 370	5 322	5 217	4 522	4 569
Poultry for meat	million	438	438	454	458	475	466
<b>Livestock products</b>							
Milk	ML	10 127	10 089	9 583	9 223	9 388	9 023
Eggs	'000 dozen	202 653	250 413	236 439	na	333 900	na
<b>Fisheries products</b>							
Tuna	kt	11	13	13	15	14	11
Other fish	kt	172	149	144	145	152	153
Prawns	kt	24	24	21	23	24	26
Rock lobster	kt	18	16	14	14	12	10
Abalone	kt	6	6	5	5	6	5
Scallops	kt	16	9	10	10	8	7
Oysters	kt	12	12	15	14	14	14

**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: ABARES *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; ABARES.

## 1.2 Value of agricultural food production, by commodity

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Crops</b>						
<b>Grains a</b>						
Wheat	4 317	5 099	2 619	5 292	6 021	5 315
Barley	1 233	1 417	1 039	2 244	1 850	1 514
Oats	172	249	241	281	251	218
Maize	81	71	60	120	106	93
Rice	101	284	55	7	34	108
Lupins	193	251	125	222	198	206
Field peas	68	130	40	109	82	86
Chickpeas	36	69	151	195	199	194
Mung beans	26	28	25	32	27	14
Faba beans	68	104	57	111	44	74
<b>Oilseeds</b>						
Canola	503	473	227	659	1 011	781
Sunflowerseed	21	42	15	59	38	24
Soybeans	15	17	12	19	44	28
Cottonseed	126	142	95	69	120	112
Other oilseeds	36	30	21	35	28	35
<b>Other</b>						
Sugarcane	980	1 032	1 221	861	1 021	1 505
<b>Total crops</b>	<b>7 975</b>	<b>9 437</b>	<b>6 003</b>	<b>10 315</b>	<b>11 076</b>	<b>10 305</b>
<b>Horticulture</b>						
<b>Fruit</b>						
Apples	529	360	484	488	543	na
Pears	89	86	106	102	116	na
Nashi	10	10	10	9	8	na
Avocado	91	82	123	na	110	na
Melons	132	164	173	159	159	na
Pineapples	34	72	91	na	88	na
Bananas	327	431	860	388	428	na
Kiwifruit	8	8	8	na	10	na
Mangoes	135	98	134	122	122	na
Wine grapes	1 386	1 154	1 243	1 446	887	711
Table and dried grapes	220	206	240	202	286	225
Oranges	310	275	311	254	255	na
Mandarins	111	118	159	127	120	na
Lemons/limes/grapefruit	25	33	43	na	61	na
Other fruit	144	216	236	na	478	na
<b>Nuts and berries</b>						
Almonds	77	105	129	na	94	na
Chestnuts	5	5	5	na	na	na
Macadamia	119	105	80	54	49	na
Berries b	191	237	295	na	270	na

*Continued*

# Australian food production

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

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Horticulture (continued)</b>						
Stonefruit						
Peaches	99	108	114	93	100	na
Nectarines	91	106	113	na	102	na
Apricots	29	24	48	na	32	na
Plums	58	54	69	na	47	na
Cherries	67	98	82	na	126	na
<b>Vegetables</b>						
Potatoes	434	464	514	692	557	na
Onions	144	145	190	207	224	na
Carrots	166	156	158	188	182	na
Asparagus	48	47	26	45	45	na
Broccoli	74	87	88	95	101	na
Cauliflower	49	53	53	47	50	na
Tomatoes	163	273	296	419	342	na
Mushrooms	242	244	260	282	250	na
Lettuce	112	159	283	168	187	na
Capsicum/chillies	80	172	139	152	120	na
Cabbage	35	62	58	58	44	na
Beans	63	89	73	75	73	na
Other	765	732	1 835	1 500	727	na
<b>Total horticulture</b>	<b>6 659</b>	<b>6 834</b>	<b>9 126</b>	<b>7 768</b>	<b>7 056</b>	<b>6 905</b>
<b>Livestock slaughtering</b>						
Cattle and calves	7 455	7 327	7 550	6 902	7 123	6 982
Cattle exported live c	374	358	437	451	559	600
Sheep	418	444	380	400	428	534
Lambs	1 327	1 378	1 387	1 481	1 725	1 960
Sheep exported live c	207	291	289	286	339	297
Pigs	906	890	944	902	895	858
Poultry meat	1 304	1 223	1 294	1 637	1 861	1 742
<b>Livestock products</b>						
Milk	3 194	3 341	3 178	4 572	3 988	3 365
Eggs	328	376	388	468	413	420
<b>Total livestock</b>	<b>15 512</b>	<b>15 627</b>	<b>15 847</b>	<b>17 099</b>	<b>17 331</b>	<b>16 759</b>
<b>Fisheries products</b>						
Tuna	172	175	161	210	187	124
Other fish	559	598	688	715	716	760
Prawns	307	305	267	272	290	317
Rock lobster	415	463	461	425	415	375
Abalone	233	225	217	189	188	178
Scallops	47	23	29	33	26	26
Oysters	74	75	91	89	93	98
Other crustaceans and molluscs	156	180	178	167	215	367
<b>Total fisheries</b>	<b>1 964</b>	<b>2 045</b>	<b>2 093</b>	<b>2 100</b>	<b>2 131</b>	<b>2 245</b>

**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; ABARES.

# 1.3 Number of enterprises engaged in agricultural food production <sup>a</sup>

	2004-05	2005-06	2006-07	2007-08	2008-09
	no.	no.	no.	no.	no.
<b>Main activity</b>					
Grape growing	5 701	5 019	4 650	4 628	4 880
Apple and pear growing	891	598	681	815	673
Stone fruit growing	1 016	1 065	1 045	778	764
Other fruit	3 908	4 570	4 328	4 429	3 670
<b>Vegetables</b>	3 668	4 483	4 325	3 720	3 844
<b>Grain growing</b>	12 319	12 598	10 275	12 735	12 199
Grain–sheep/beef cattle farming	16 900	14 256	13 111	11 908	12 965
Sheep–beef cattle farming	7 549	7 365	7 457	6 146	5 897
Sheep farming	10 658	10 575	9 329	8 117	8 235
Beef cattle farming	24 282	28 464	29 411	26 678	25 613
Dairy cattle farming	9 708	9 179	8 737	8 373	7 645
Poultry farming (meat)	654	816	785	801	728
Poultry farming (eggs)	335	393	380	342	240
Pig farming	833	829	807	571	622
Deer farming	42	80	144	101	59
Sugar cane growing	4 407	4 078	3 899	3 662	3 703
Cotton growing	620	682	477	293	276
<b>Total</b>	103 491	105 050	99 841	94 097	92 013
<b>Other agriculture</b>					
Other livestock (including horses)	1 294	2 375	2 366	1 242	1 854
Other crops and plant growing nec	3 687	3 952	3 872	2 395	3 226
All other industries	1 128	10 006	9 940	8 798	9 426
<b>Total</b>	109 600	121 383	116 019	106 532	106 519

<sup>a</sup> Farm businesses with an EVAO over \$22500 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 production <sup>a</sup>

	NSW	Vic.	Qld.	SA	WA	Tas.	NT	Australia
	no.	no.	no.	no.	no.	no.	no.	no.
<b>2007-08</b>								
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
<b>2008-09</b>								
Horticulture and fruit growing	8 500	14 000	9 750	11 500	13 250	2 750	250	61 000
Grain, sheep and beef cattle farming	37 250	33 000	37 500	18 000	18 500	6 000	1 250	151 250
Dairy cattle farming	2 250	19 250	2 250	2 000	2 000	1 250	na	28 750
Poultry farming	4 750	2 750	1 000	500	0	500	na	9 250
Other livestock farming	4 750	2 500	4 000	1 500	750	0	0	14 000
Other crop growing	2 000	500	11 500	0	na	na	0	14 000
Agriculture not fully defined	18 500	5 000	6 000	3 750	4 250	1 500	0	39 250
All agriculture	78 250	77 000	71 500	37 000	39 250	12 250	2 000	317 250
Marine fishing nec	250	na	1 000	667	667	333	250	2 500
Aquaculture	1 750	na	333	1 500	na	1 000	0	4 750
Fishing not fully defined	250	na	na	na	na	500	na	500
All fishing	2 250	na	na	na	na	1 833	na	7 750
<b>2009-10</b>								
Horticulture and fruit growing	14 000	15 000	13 250	8 750	7 250	4 250	0	63 250
Grain, sheep and beef cattle farming	38 500	32 750	37 000	14 500	19 750	4 750	1 500	148 250
Dairy cattle farming	4 500	15 750	2 250	2 250	1 000	1 000	na	27 500
Poultry farming	4 500	1 750	1 500	750	250	na	na	8 250
Other livestock farming	5 250	4 000	3 250	1 750	750	na	na	15 500
Other crop growing	500	1 500	11 500	0	0	na	na	14 000
Agriculture not fully defined	19 750	8 000	11 750	3 750	2 750	1 250	na	47 750
All agriculture	87 750	78 000	80 500	31 500	33 000	11 000	2 250	324 750
Marine fishing nec	1 000	na	750	1 250	1 500	na	na	4 500
Aquaculture	500	250	500	1 000	250	1 000	na	4 000
Fishing not fully defined	0	na	250	250	250	na	na	1 250
All fishing	1 500	na	1 500	2 500	2 000	na	na	9 750

<sup>a</sup> Includes proprietors and partners and employees working for farm businesses with an EVAO over \$22500. 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 <sup>a</sup>

	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 <sup>p</sup> kt
<b>Wheat</b>						
Production	21 905	25 150	10 822	13 569	21 420	21 923
Domestic use <sup>b</sup>	6 023	6 623	7 416	6 511	7 294	5 109
Human and industrial <sup>b</sup>	2 296	2 245	2 286	2 337	2 470	2 500
Feed <sup>c</sup>	3 105	3 788	4 501	3 498	4 134	1 940
Seed	622	590	629	677	689	669
Net exports	14 675	15 969	8 685	7 444	14 707	14 754
Change in stocks	1 207	2 558	-5 279	-386	-581	2 060
<b>Canola</b>						
Production	1 542	1 419	573	1 214	1 844	1 920
Domestic use <sup>b</sup>	423	525	592	692	660	688
Crushers	418	520	586	684	653	680
Seed	5	5	6	8	7	8
Exports	892	831	228	472	1 067	1 211
<b>Canola meal</b>						
Production	234	291	329	301	355	392
Domestic use <sup>b</sup>	234	291	329	299	352	370
Exports	0	0	0	2	3	22
<b>Canola oil</b>						
Production	184	229	258	237	286	308
Domestic use	150	227	234	180	229	223
Exports	44	32	36	68	67	96
<b>Pulses – major crops</b>						
Production						
Lupins	937	1 285	470	662	708	823
Field peas	289	585	140	268	238	356
Chickpeas	116	150	229	313	443	445
Apparent domestic use <sup>b</sup>						
Lupins	508	551	437	665	499	350
Field peas	96	214	114	189	123	238
Chickpeas	9	9	20	22	24	31
Exports						
Lupins	365	494	93	77	304	230
Field peas	115	252	138	141	137	177
Chickpeas	152	161	241	222	506	482

<sup>a</sup> 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. <sup>b</sup> Domestic use may not equal production less exports in any one year due to reductions or increases in stock levels. <sup>c</sup> Calculated as a residual: production less exports less other domestic uses less change in stocks. <sup>p</sup> 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; ABARES.



## Supply and use – selected foods

### 2.2 Supply and use of Australian coarse grains <sup>a</sup>

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 <sup>p</sup>
	kt	kt	kt	kt	kt	kt
<b>Barley</b>						
Production	7 740	9 482	4 257	7 160	7 997	7 909
Domestic use <sup>b</sup>	2 670	2 764	3 171	2 491	2 521	2 554
As malt and other human use	172	176	166	165	169	175
Feed	2 300	2 400	2 784	2 100	2 153	2 196
Seed	198	188	221	226	200	183
Export	4 863	5 917	2 563	4 054	3 891	4 468
Feed barley	2 798	3 191	1 192	2 303	2 254	2 631
Malting barley	1 464	2 067	659	1 083	980	1 268
Malt (grain equivalent)	601	660	712	668	658	677
<b>Oats</b>						
Production	1 282	1 688	748	1 502	1 160	1 180
Domestic use <sup>b</sup>	1 145	1 497	713	1 321	998	963
Human	134	136	138	140	142	143
Feed	966	1 312	516	1 140	815	775
Seed	45	48	59	42	42	45
Export	138	191	35	181	161	217
<b>Triticale <sup>c</sup></b>						
Production	611	830	199	450	363	545
Domestic use <sup>b</sup>	611	830	199	450	363	545
Feed	594	812	181	434	345	529
Seed	17	18	18	16	18	17
<b>Sorghum</b>						
Production	2 011	1 929	1 283	3 790	2 692	1 598
Domestic use <sup>b</sup>	1 752	1 845	1 173	2 833	1 694	1 139
Feed	1 749	1 841	1 168	2 829	1 692	1 136
Seed	4	3	5	4	2	3
Export	623	259	83	110	957	998
<b>Maize</b>						
Production	420	362	239	387	376	328
Domestic use <sup>b</sup>	415	352	229	296	341	294
Human, industrial	109	112	115	117	120	123
Feed	305	240	114	177	220	169
Seed	1	1	1	1	1	1
Export	10	5	10	11	92	36
<b>Total coarse grains</b>						
Production	12 064	14 291	6 727	13 289	12 587	11 560
Domestic use <sup>b</sup>	6 594	7 287	5 485	7 390	5 918	5 494
Human, industrial	415	424	419	422	431	441
Feed	5 913	6 605	4 763	6 680	5 225	4 804
Seed	265	258	304	288	262	249
Export	5 265	6 202	2 719	5 284	5 087	5 178

<sup>a</sup> 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. <sup>b</sup> Domestic use may not equal production less exports in any one year due to reductions or increases in stock levels. <sup>c</sup> Excludes small quantities of triticale for export. <sup>p</sup> 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; ABARES.

## 2.3 Supply and use of Australian dairy products

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 p
<b>Production of wholemilk</b>	ML	10 127	10 089	9 583	9 223	9 388	9 023
<b>Manufacture</b>							
Butter a	kt	147	146	133	128	148	128
Cheese	kt	388	373	364	361	342	349
Non-cheddar	kt	193	181	185	190	165	186
Cheddar	kt	196	192	179	171	177	163
Wholemilk powder	kt	189	158	135	142	148	126
Skim milk powder b	kt	189	205	191	164	212	190
Casein	kt	13	12	8	10	10	8
Buttermilk powder	kt	17	16	14	13	15	13
<b>Consumption</b>							
Butter	kt	82	80	80	87	84	86
Cheese c	kt	229	240	250	265	280	255
Australian	kt	181	183	188	198	224	208
Wholemilk powder	kt	35	na	na	na	na	25
Skim milk powder b	kt	27	na	na	na	na	43
Casein	kt	2	2	2	2	2	2
Market milk	ML	2 024	2 061	2 156	2 188	2 229	2 259
<b>Exports</b>							
Butter and butterfat a	kt	69	83	81	57	70	74
Cheese	kt	228	202	213	203	146	168
Wholemilk powder	kt	105	110	94	82	116	91
Skim milk powder	kt	141	181	164	123	162	126
Casein	kt	13	8	12	9	8	10
<b>Other products</b>							
Fresh milk	ML	87	86	82	68	69	72
Other fresh products	kt	3	2	2	2		
Condensed milk	kt	103	95	83	70	81	67
Other powders	kt	69	69	62	51	51	37
<b>Imports</b>							
Cheese	kt	50	61	64	70	59	72

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; ABARES.

## Supply and use – selected foods

### 2.4 Supply and use of Australian meats

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 p
<b>Beef and veal</b>							
Slaughtering a	'000	8 853	8 401	9 081	8 799	8 702	8 384
Production b	kt	2 162	2 077	2 226	2 155	2 148	2 113
Exports b	kt	1 404	1 316	1 438	1 368	1 429	1 376
Consumption bc	kt	739	743	772	772	708	745
Closing stocks b	kt	30	30	30	30	30	30
Slaughtering	'000	10 421	11 443	11 830	13 271	11 158	10 501
Production b	kt	220	237	244	271	243	220
Exports b	kt	157	175	185	204	200	189
Consumption bc	kt	48	52	54	53	50	47
Closing stocks b	kt	10	1	1	1	1	1
<b>Lamb</b>							
Slaughtering a	'000	16 562	17 331	18 666	20 158	20 529	20 395
Production b	kt	341	354	382	413	428	416
Exports b	kt	132	146	173	179	194	184
Consumption bc	kt	204	204	209	229	210	238
Closing stocks b	kt	5	5	5	5	5	5
<b>Pig meat</b>							
Slaughtering	'000	5 591	5 342	5 370	5 322	5 217	4 522
Production b	kt	406	389	389	382	377	324
Imports bd	kt	122	164	145	214	207	257
Exports bd	kt	77	67	67	63	59	49
Consumption bc	kt	450	485	467	533	525	na
Closing stocks – pork b	kt	10	10	10	10	10	10
<b>Poultry meat e</b>							
Slaughtering g	million	424	438	438	454	458	475
Production b	kt	732	792	817	855	835	866
Exports b	kt	27	26	27	34	37	45
Consumption c	kt	712	772	796	827	805	829

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; ABARES.

## 2.5 Supply and use of selected Australian horticultural products

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 p
<b>Grapes and grape products</b>							
<b>Grape production</b>							
Total	kt	2 146	2 073	1 570	1 957	1 797	1 729
<b>Grape use</b>							
Wine making	kt	1 938	1 873	1 410	1 837	1 684	1 617
Red grapes	kt	1 071	1 024	674	984	888	900
White grapes	kt	867	850	736	853	na	717
Drying and table	kt	208	200	160	120	113	112
<b>Wine production</b>							
Fortified wine	ML	20	13	8	15	11	na
Unfortified wine	ML	1 400	1 398	947	1 222	1 160	na
Total wine	ML	1 420	1 410	955	1 237	1 171	na
<b>Domestic sales</b>							
Table wine	ML	365	367	381	362	363	396
Red wine	ML	155	154	162	155	159	176
White wine	ML	209	213	219	207	204	219
Sparkling wine	ML	38	40	40	37	37	40
Fortified wine	ML	20	19	17	17	16	16
Other wine	ML	7	7	9	12	14	18
Total wine a	ML	430	432	446	428	430	471
<b>Exports</b>							
Table wine	ML	647	720	780	689	733	749
Red wine	ML	418	455	497	446	442	462
White wine	ML	229	265	283	243	292	287
Sparkling wine	ML	11	13	15	17	15	16
Fortified wine	ML	2	2	2	2	1	1
Other wine	ML	1	1	1	1	1	9
Total wine	ML	661	736	798	709	750	775
<b>Imports</b>							
Table wine	ML	15	20	25	44	51	54
Sparkling wine	ML	5	6	7	8	10	8
Fortified wine	ML	0	0	0	0	0	0
Other wine	ML	2	2	2	2	2	1
Total wine	ML	22	27	34	54	62	64
<b>Dried vine fruit</b>							
Production (dried weight)	kt	29	28	17	11	17	14
Exports	kt	7	7	7	5	4	4
Imports	kt	21	12	27	26	27	27
<b>Table grapes</b>							
Production	kt	73	82	79	64	97	na
Exports	kt	52	48	41	41	70	31

Continued

## Supply and use – selected foods

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

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 p
<b>Oranges and orange juice</b>							
<b>Navel oranges</b>							
Production	kt	225	256	246	236	222	264
Fresh domestic consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	81	103	98	99	83	115
<b>Valencia and other oranges</b>							
Production	kt	228	302	224	194	189	194
Fresh consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	29	36	29	14	23	13
<b>Total oranges</b>							
Production	kt	498	507	471	409	348	na
Fresh consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	110	139	127	113	106	127
Imports	kt	13	12	10	16	14	19
<b>Orange juice (equivalent tonnes of fresh oranges) b</b>							
Production	kt	na	na	na	na	na	na
Exports of processed juice	kt	28	25	22	21	14	11
Imports of FCOJ	kt	63	35	40	39	35	43
Stocks of Australian FCOJ	kt	na	na	na	na	na	na
Apparent consumption	kt	na	na	na	na	na	na
<b>Apples</b>							
Production	kt	327	276	270	265	295	na
Fresh domestic consumption	kt	na	na	na	na	na	na
Processed	kt	na	na	na	na	na	na
Exports	kt	12	9	7	4	4	5
<b>Tomatoes and tomato products</b>							
Tomato production	kt	408	450	296	382	440	na
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	4	4	4	5	3	3
Processed production	kt	na	na	na	na	na	na
Processed exports	kt	9	9	7	7	7	8
Processed imports	kt	27	26	34	49	48	37
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–BRS 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*; ABARES.

## 3.1 Employment in food and beverage manufacturing

	NSW	Vic.	Qld.	SA	WA	Tas.	NT	Australia
	no.	no.	no.	no.	no.	no.	no.	no.
<b>2007-08</b>								
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
<b>2008-09</b>								
Meat and meat products	13 750	15 000	14 000	6 250	4 500	1 000	na	54 750
Dairy products	2 750	9 500	2 250	667	1 000	1 000	na	16 750
Fruit and vegetable processing	1 000	5 000	1 000	250	na	750	na	8 000
Oil and fat	1 000	750	333	500	0	na	na	2 000
Flour mill and cereal food	3 250	1 250	667	750	1 000	na	na	6 750
Bakery products	14 750	17 250	13 250	4 750	6 250	1 500	250	59 000
Other food	4 250	3 000	4 250	750	1 333	250	na	13 750
Beverages and malt	8 000	6 250	2 250	10 000	2 000	500	na	28 500
Food, beverage and tobacco nec	9 250	10 750	6 750	2 583	667	11 750	na	32 500
Total food and beverage	58 000	68 750	44 750	26 500	16 750	16 750	na	222 000
<b>2009-10</b>								
Meat and meat products	17 000	11 750	13 500	4 750	6 000	1 000	na	54 000
Dairy products	3 000	10 750	2 000	500	500	1 250	na	18 000
Fruit and vegetable processing	2 000	5 000	1 250	750	na	750	na	9 750
Oil and fat	500	na	500	na	na	na	na	1 750
Flour mill and cereal food	1 500	500	na	500	na	na	na	3 500
Bakery products	18 250	16 500	14 500	4 250	4 250	1 500	na	60 250
Other food	3 750	4 500	4 500	1 250	na	1 000	na	16 000
Beverages and malt	8 250	6 750	2 750	6 750	2 250	750	na	27 500
Food, beverage and tobacco nec	4 750	3 000	3 250	750	500	na	na	12 500
Total food and beverage	70 000	65 750	46 500	21 250	15 500	6 750	500	203 250

na Not available.

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

## 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
<b>Meat</b>								
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
<b>Total</b>	<b>57</b>	<b>59</b>	<b>2 299</b>	<b>2 597</b>	<b>17 836</b>	<b>18 937</b>	<b>3 332</b>	<b>3 698</b>
<b>Dairy</b>								
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
<b>Total</b>	<b>19</b>	<b>19</b>	<b>1 021</b>	<b>1 091</b>	<b>9 991</b>	<b>11 513</b>	<b>1 884</b>	<b>1 960</b>
<b>Fruit and vegetables</b>	13	14	612	599	4 672	4 325	1 165	1 056
<b>Oil and fat</b>	2	2	102	119	1 547	1 794	238	264
<b>Flour mill and cereal food</b>								
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
<b>Total</b>	<b>8</b>	<b>8</b>	<b>439</b>	<b>438</b>	<b>3 692</b>	<b>4 066</b>	<b>942</b>	<b>924</b>
<b>Bakery products</b>								
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	0	40	0	696	0	2 396	0	1 111
<b>Total</b>	<b>23</b>	<b>65</b>	<b>925</b>	<b>1 657</b>	<b>4 005</b>	<b>4 464</b>	<b>1 548</b>	<b>2 662</b>
<b>Other food</b>								
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	0	241	0	2 700	0	481	0
Food nec	20	21 d	841	1 001 d	5 854	8 536 d	1 474	1 737 d
<b>Total</b>	<b>44</b>	<b>40</b>	<b>2 117</b>	<b>2 141</b>	<b>16 340</b>	<b>17 313</b>	<b>4 191</b>	<b>3 892</b>
<b>Total food manufacturing</b>	<b>164</b>	<b>207</b>	<b>7 515</b>	<b>8 642</b>	<b>58 083</b>	<b>62 412</b>	<b>13 300</b>	<b>14 456</b>
<b>Beverage and malt</b>								
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	0	0	0	0	0	0	0	0
<b>Total e</b>	<b>29</b>	<b>31</b>	<b>1 509</b>	<b>1 528</b>	<b>13 289</b>	<b>14 581</b>	<b>4 195</b>	<b>4 533</b>
<b>Total food and beverages e</b>	<b>193</b>	<b>238</b>	<b>9 024</b>	<b>10 170</b>	<b>71 372</b>	<b>76 993</b>	<b>17 495</b>	<b>18 989</b>
<b>Total manufacturing</b>	<b>1 064</b>	<b>1 014</b>	<b>51 007</b>	<b>50 228</b>	<b>357 462</b>	<b>377 930</b>	<b>100 980</b>	<b>98 997</b>

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
<b>Meat</b>						
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
<b>Dairy</b>						
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
<b>Fruit and vegetables</b>	119	173	146	15	23	16
<b>Oil and fat</b>	28	79	102	1	6	8
<b>Flour mill and cereal food</b>						
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
<b>Bakery products</b>						
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
<b>Other food</b>						
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
<b>Beverage and malt</b>						
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.



### 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
<b>Meat</b>						
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
<b>Dairy</b>						
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
<b>Fruit and vegetables</b>						
	2 485	2 462	na	131	na	979
<b>Oil and fat</b>						
	532	648	54	35	605	872
<b>Flour mill and cereal food</b>						
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
<b>Bakery products</b>						
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	0	na	0	na	0	na
Total	7 022	13 937	331	520	1 115	2 113
<b>Other food</b>						
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
<b>Total food manufacturing</b>	42 074	54 016	na	2 575	na	18 405
<b>Beverage and malt</b>						
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
<b>Total food and beverages</b>	47 135	61 974	2 564	3 041	21 170	na
<b>Total manufacturing</b>	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 <sup>a</sup>		Wages and salaries <sup>b</sup>		Sales and service income <sup>c</sup>	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
<b>Meat</b>						
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
<b>Dairy</b>						
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
<b>Fruit and vegetables</b>						
	4 285	6 114	279	305	1 803	2 145
<b>Oil and fat</b>						
	407	885	na	62	na	714
<b>Flour mill and cereal food</b>						
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
<b>Bakery products</b>						
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 bas	0	na	0	198	0	782
Total	7 306	11 620	223	404	1 044	1 979
<b>Other food</b>						
Sugar	0	na	na	na	na	na
Confectionery	3 433	na	171	na	1 025	na
Seafood	0	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
<b>Total food manufacturing</b>	42 168	51 093	na	2 579	na	20 877
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	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	0	na	1	na	14	na
Total	4 089	na	290	na	2 627	na
<b>Total food and beverages</b>	46 257	na	2 368	na	19 688	na
<b>Total manufacturing</b>	292 050	293 188	13 759	15 422	88 041	104 568

<sup>a</sup> Includes working proprietors. <sup>b</sup> Excludes drawings of working proprietors. <sup>c</sup> 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. 82210DO010\_200607, Canberra.

## 3.6 Queensland processed food industry, summary statistics

	Employment at 30 June <sup>a</sup>		Wages and salaries <sup>b</sup>		Sales and service income <sup>c</sup>	
	1999-00 no.	2006-07 no.	2001-02 \$m	2006-07 \$m	2001-02 \$m	2006-07 \$m
<b>Meat</b>						
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
<b>Dairy</b>						
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
<b>Fruit and vegetables</b>	1 969	3 353	87	90	564	621
<b>Oil and fat</b>	269	245	na	13	na	82
<b>Flour mill and cereal food</b>						
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
<b>Bakery products</b>						
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	0	na	0	128	0	445
Total	4 944	9 378	155	338	742	1 376
<b>Other food</b>						
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
<b>Total food manufacturing</b>	33 071	41 994	na	1 805	na	13 384
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	1 575	60	65	600	872
Beer and malt	614	na	na	na	na	na
Wine	50	576	na	22	na	438
Spirits	0	154	na	9	na	na
Total	2 029	na	132	na	1 371	na
<b>Total food and beverages</b>	35 100	na	1 454	na	12 763	na
<b>Total manufacturing</b>	142 095	199 577	6 303	9 185	49 274	70 257

<sup>a</sup> Includes working proprietors. <sup>b</sup> Excludes drawings of working proprietors. <sup>c</sup> 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. 82210DO010\_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	2006-07	2001-02	2006-07	2001-02	2006-07
	no.	no.	\$m	\$m	\$m	\$m
<b>Meat</b>						
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
<b>Dairy</b>						
Milk and cream processing	0	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
<b>Fruit and vegetables</b>						
	558	400	12	na	90	na
<b>Oil and fat</b>						
	150	na	na	3	na	na
<b>Flour mill and cereal food</b>						
Flour mill products	230	na	8	na	86	197
Cereal food and baking mixes	0	na	na	na	na	96
Total	na	471	na	22	na	293
<b>Bakery products</b>						
Bread - factory based	0	1 070	na	45	na	191
Cakes and pastry - factory based	1 035	765	30	30	142	na
Biscuits - factory based	0	na	na	2	na	na
Bakery products - non factory bas	0	na	0	55	0	246
Total	1 912	3 778	76	133	366	598
<b>Other food</b>						
Sugar	0	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	0	1 162	46	49	630	537
Total	3 228	na	104	na	1 425	1 323
<b>Total food manufacturing</b>						
	na	13 154	na	540	na	3 920
<b>Beverage and malt</b>						
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
<b>Total food and beverages</b>						
	13 558	na	545	na	5 028	na
<b>Total manufacturing</b>						
	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.

### 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
<b>Meat</b>						
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
<b>Dairy</b>						
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
<b>Fruit and vegetables</b>						
	1 024	591	28	28	166	182
<b>Oil and fat</b>						
	45	75	2	2	81	34
<b>Flour mill and cereal food</b>						
Flour mill products	0	145	5	9	84	na
Cereal food and baking mixes	0	664	19	26	88	na
Total	685	809	24	35	172	241
<b>Bakery products</b>						
Bread - factory based	1 038	na	47	35	166	161
Cakes and pastry - factory based	0	845	na	na	na	na
Biscuits - factory based	0	na	na	na	na	na
Bakery products - non factory based	0	na	0	48	0	166
Total	2 627	3 747	89	131	340	491
<b>Other food</b>						
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
<b>Total food manufacturing</b>						
	10 604	13 326	402	561	3 360	3 912
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	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	0	na	na	na	na	na
Total	4 724	na	na	na	na	na
<b>Total food and beverages</b>						
	15 328	na	743	na	6 074	na
<b>Total manufacturing</b>						
	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	2006-07	2001-02	2006-07	2001-02	2006-07
	no.	no.	\$m	\$m	\$m	\$m
<b>Meat</b>						
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	0	551	29	na	211	na
<b>Dairy</b>						
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
<b>Fruit and vegetables</b>						
	934	1 331	na	59	na	527
<b>Oil and fat</b>						
	5	15	na	0	na	na
<b>Flour mill and cereal food</b>						
Flour mill products	0	na	na	na	na	na
Cereal food and baking mixes	0	na	na	na	na	na
Total	0	na	na	na	na	na
<b>Bakery products</b>						
Bread - factory based	0	309	11	9	39	na
Cakes and pastry - factory based	0	na	na	2	na	na
Biscuits - factory based	0	0	na	0	na	0
Bakery products - non factory basi	0	na	0	26	0	75
Total	426	1 220	14	37	54	128
<b>Other food</b>						
Sugar	699	na	na	na	na	0
Confectionery	1 100	na	na	na	na	na
Seafood	0	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
<b>Total food manufacturing</b>						
	na	5 391	na	237	na	1 516
<b>Beverage and malt</b>						
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
<b>Total food and beverages</b>						
	5 505	na	207	na	1 496	na
<b>Total manufacturing</b>						
	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.

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

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Meat &amp; meat product processing</b>							
Capital expenditure	2.84	4.12	4.61	4.61	4.37	na	na
Current expenditure	31.71	31.19	26.60	24.85	42.27	na	na
Total	34.55	35.31	31.21	29.46	46.64	48.82	41.83
<b>Dairy product processing</b>							
Capital expenditure	0.55	2.18	4.50	1.98	1.91	na	na
Current expenditure	29.05	27.60	44.08	58.69	81.64	na	na
Total	29.60	29.78	48.58	60.67	83.55	86.20	94.49
<b>Fruit &amp; vegetable processing</b>							
Capital expenditure	0.53	1.10	0.94	0.73	1.11	na	na
Current expenditure	29.32	23.38	32.84	27.74	31.25	na	na
Total	29.84	24.48	33.79	28.48	32.36	39.15	40.39
<b>Oil &amp; fat</b>							
Capital expenditure	1.75	na	na	na	na	na	na
Current expenditure	na	2.06	na	3.28	1.61	na	na
Total	na	na	5.59	na	na	2.60	3.31
<b>Flour mill &amp; cereal food</b>							
Capital expenditure	na	3.45	3.11	2.13	na	na	na
Current expenditure	na	25.40	41.54	44.84	na	na	na
Total	13.98	28.85	44.64	46.97	46.83	50.88	32.33
<b>Bakery products</b>							
Capital expenditure	na	na	na	na	na	na	na
Current expenditure	na	na	42.64	na	na	na	na
Total	30.54	na	na	42.91	45.93	59.59	101.50
<b>Other food</b>							
Capital expenditure	7.90	10.72	10.42	4.73	3.89	na	na
Current expenditure	54.88	78.24	63.84	86.22	76.86	na	na
Total	62.77	88.96	74.26	90.95	80.75	81.62	75.55
<b>Beverage and malt</b>							
Capital expenditure	3.06	5.87	1.89	3.42	na	2.31	2.31
Current expenditure	19.85	21.45	41.49	20.09	na	46.65	45.65
Total	22.91	27.32	43.38	23.79	38.02	47.96	47.96
<b>Total manufacturing</b>							
Capital expenditure	211.46	246.72	249.81	284.64	268.15	272.23	270.93
Current expenditure	2 697.04	3 128.62	3 222.41	3 440.28	3 567.55	4 101.33	4 077.51
Total	2 908.50	3 375.34	3 472.22	3 724.92	3 835.70	4 373.56	4 348.44

na Not available.

Sources: ABS unpublished data, Canberra.

## 4.1 Retail food turnover, by state and category

	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m
<b>New South Wales</b>				
Supermarkets and grocery stores	20 029	21 778	22 496	23 742
Takeaway food outlets	3 335	3 594	3 756	4 499
Liquor retailing	2 333	2 510	2 566	2 703
Cafes and restaurants	4 916	4 671	4 318	5 352
Other food retailing	3 524	3 167	2 970	2 954
<b>Victoria</b>				
Supermarkets and grocery stores	16 336	16 847	18 562	19 287
Takeaway food outlets	2 316	2 459	2 705	3 542
Liquor retailing	1 197	1 209	1 497	1 621
Cafes and restaurants	3 925	3 964	4 487	4 433
Other food retailing	1 795	2 130	2 262	2 152
<b>Queensland</b>				
Supermarkets and grocery stores	12 721	14 345	16 097	17 005
Takeaway food outlets	2 375	2 512	2 743	2 795
Liquor retailing	1 628	1 823	2 106	1 541
Cafes and restaurants	3 221	3 508	3 053	3 118
Other food retailing	936	1 081	959	629
<b>Western Australia</b>				
Supermarkets and grocery stores	7 058	7 819	8 323	8 509
Takeaway food outlets	1 129	1 304	1 463	1 478
Liquor retailing	1 107	1 126	1 217	1 248
Cafes and restaurants	1 644	1 718	1 712	1 994
Other food retailing	701	700	804	862
<b>South Australia</b>				
Supermarkets and grocery stores	4 789	5 337	5 782	5 856
Takeaway food outlets	714	696	739	749
Liquor retailing	333	394	445	473
Cafes and restaurants	697	863	957	998
Other food retailing	531	579	659	609
<b>Tasmania</b>				
Supermarkets and grocery stores	1 431	1 554	1 734	1 835
Takeaway food outlets	204	246	268	286
Liquor retailing	na	na	na	na
Cafes and restaurants	157	189	216	229
Other food retailing	na	na	na	na

*Continued*



## Retail sector

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

	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m
<b>Australian Capital Territory</b>				
Supermarkets and grocery stores	1 252	1 305	1 384	1 455
Takeaway food outlets	157	194	167	190
Liquor retailing	na	120	126	131
Cafes and restaurants	224	301	334	400
Other food retailing	na	136	135	170
<b>Northern Territory</b>				
Supermarkets and grocery stores	886	984	1 091	1 103
Takeaway food outlets	105	97	154	187
Liquor retailing	na	na	na	na
Cafes and restaurants	146	128	136	170
Other food retailing	na	na	na	na
<b>Australia</b>				
Supermarkets and grocery stores	64 502	69 968	75 469	78 794
Takeaway food outlets	10 334	11 102	11 995	13 725
Liquor retailing	6 852	7 340	8 132	8 616
Cafes and restaurants	14 929	15 342	15 213	16 694
Other food retailing	7 744	7 959	7 991	7 917
<b>Total food and liquor retailing</b>	<b>104 361</b>	<b>111 709</b>	<b>118 800</b>	<b>125 746</b>
<b>Total retailing</b>	<b>206 367</b>	<b>220 518</b>	<b>230 598</b>	<b>239 134</b>

na Not available.

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

## 4.2 Consumer price index for food groups <sup>a</sup>

	2005-06	2006-07	2007-08	2008-09	2009-10
<b>Food</b>	162	172	178	186	189
<b>Dairy and related products</b>	172	180	196	209	207
Milk and cream	188	195	214	223	216
Cheese	151	159	179	195	194
Ice cream and other dairy products	163	169	176	191	196
<b>Cereal products</b>	170	179	191	205	208
Bread	194	209	226	243	248
Cakes and biscuits	159	166	176	188	190
Breakfast cereals	147	150	155	158	156
Other cereal products	142	146	156	178	179
<b>Meat and seafoods</b>	146	149	154	162	165
Beef and veal	163	163	165	170	171
Lamb and mutton	212	213	217	235	246
Pork	166	171	175	191	194
Poultry	97	96	105	107	107
Bacon and ham	136	142	142	147	148
Processed meat	154	160	164	177	182
Fish and other seafood	128	134	141	149	155
<b>Fresh fruit and vegetables</b>	158	188	176	175	173
Fresh fruit	179	239	193	192	190
Fresh vegetables	145	153	166	165	163
<b>Non-alcoholic drinks and snack food</b>	164	173	181	190	196
Soft drinks, waters and juices	146	156	164	172	178
Snacks and confectionery	188	195	203	214	220
<b>Other food</b>	149	157	163	173	176
Eggs	177	195	206	208	202
Jams, honey and sandwich spreads	184	192	198	212	215
Tea, coffee and food drinks	139	147	151	160	163
Food additives and condiments	131	138	142	149	155
Fats and oils	152	168	177	194	196
Food nec	148	154	159	168	172
<b>Meals out and take away foods</b>	169	175	183	193	199
Restaurant meals	174	179	186	194	200
Take away and fast foods	167	173	182	194	201

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

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

## 4.3 Average retail prices of selected foods <sup>a</sup>

	Unit	2005-06 cents	2006-07 cents	2007-08 cents	2008-09 cents	2009-10 cents
<b>Dairy products</b>						
Milk, fresh	L	152	159	175	359	174
Cheese	500gm	430	465	477	533	547
Butter	500gm	310	332	348	382	381
<b>Grain products</b>						
Bread	650gm	278	306	333	366	371
Breakfast foods	550gm	345	348	372	394	381
Flour	kg	182	199	186	172	170
Rice	kg	200	209	207	257	279
<b>Meat and seafood</b>						
Beef	kg	1 540	1 538	1 555	1 604	1 608
Lamb	kg	1 216	1 220	1 241	1 344	1 408
Pig meat	kg	1 158	1 187	1 220	1 327	1 349
Chicken	kg	368	367	511	560	575
Seafood	210gm	250	250	258	259	340
<b>Fruit and vegetables</b>						
Oranges	kg	240	297	296	300	283
Banana	kg	419	748	336	319	320
Potatoes	kg	190	207	219	216	210
Tomatoes	kg	387	390	431	389	406
Carrots	kg	192	192	215	213	205
Onions	kg	239	239	250	269	232
<b>Processed fruit</b>						
Jam, strawberry	500gm	287	310	313	334	335
<b>Other food</b>						
Sugar	2kg	201	228	242	237	268
Tea	250gm	367	382	379	400	420
Coffee	150gm	615	692	738	764	785
Eggs	dozen	318	409	436	436	423
Margarine	500gm	255	279	285	312	322
Milk chocolate	250gm	362	394	401	432	366
<b>Alcohol and beverages</b>						
Beer, bottled, low alcohol <sup>b</sup>	24x375mL	2 580	2 723	3 893	3 966	4 081
Scotch	30mL	448	481	506	538	559

<sup>a</sup> The weighted average over 8 capital cities. <sup>b</sup> Full strength after 2003-04.

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

## 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
<b>Meat and meat products</b>							
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
<b>Poultry</b>							
Poultry (dressed weight)	kg	na	na	8.3	17.1	24.1	29.4
<b>Seafood a</b>							
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
<b>Dairy products</b>							
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
<b>Fruit and fruit products</b>							
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, conserves 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
<b>Vegetables</b>							
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
<b>Eggs and egg products</b>							
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

## 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
<b>Grain products</b>							
Wheaten flour <b>h</b>	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
<b>Nuts (in shell)</b>							
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
<b>Oils and fats</b>							
Butter <b>i</b>	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) <b>j</b>	kg	14.0	na	14.3	21.6	20.4	18.5
<b>Sugars</b>							
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 <b>k</b>	kg	56.8	53.0	51.9	54.5	48.3	45.2
<b>Beverages</b>							
Tea	kg	2.9	2.7	2.3	1.7	1.2	0.8
Coffee <b>l</b>	kg	0.5	0.6	1.2	1.6	2.0	2.2
Aerated/carbonated waters <b>m</b>	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
<b>Alcohol content <b>n</b></b>							
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
	\$	\$	\$	\$
<b>Bread, cakes and cereals</b>	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
<b>Meat and seafoods</b>	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
<b>Dairy products</b>	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
<b>Edible oils and fats</b>	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
<b>Fruit and vegetables</b>	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
<b>Non-alcoholic drinks and snack food</b>	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
<b>Other food</b>	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
<b>Alcoholic drinks</b>	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
<b>Total food and beverage expenditure</b>	40.18	112.73	147.42	176.19
<b>Total household expenditure</b>	172.35	502.71	698.97	883.45

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

## 5.1 Australian food exports, by level of transformation

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	1 001	602	594	668	752	761	924	924
Fish or shellfish	773	677	584	657	632	647	747	650
<b>Horticulture</b>								
Vegetables	200	161	155	149	147	137	152	150
Fruit and nuts	533	407	462	482	451	433	563	472
Total	732	568	617	631	598	571	716	622
<b>Grains a</b>	3 873	4 655	4 672	4 305	3 329	4 221	6 383	4 618
<b>Oilseeds</b>	401	550	492	412	167	346	644	657
<b>Food nec</b>	73	46	46	49	54	41	49	43
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	5 626	5 723	6 902	6 673	7 048	6 506	7 411	6 313
Poultry processing	22	20	20	21	26	32	43	36
Bacon, ham and smallgoods	83	84	107	91	43	33	47	54
Total	5 730	5 827	7 029	6 785	7 117	6 571	7 501	6 403
<b>Seafood</b>	753	660	689	606	548	440	417	357
<b>Dairy</b>								
Milk and cream processing	1 181	1 076	1 108	1 210	1 089	1 258	1 354	880
Ice cream	29	35	42	41	42	37	31	31
Other dairy products	1 286	1 176	1 335	1 318	1 307	1 467	1 293	1 155
Total	2 496	2 288	2 485	2 569	2 438	2 763	2 679	2 066
<b>Fruit and vegetables</b>	535	518	511	555	574	568	575	525
<b>Oil and fat</b>	146	147	151	150	169	239	303	289
<b>Flour mill and cereal food</b>								
Flour mill products	214	202	223	230	269	315	419	365
Cereal food and baking mix	261	222	219	248	372	287	390	445
Total	474	424	441	478	642	602	809	811
<b>Bakery products</b>								
Bread, cake and pastry	19	18	18	26	27	26	25	26
Biscuit	97	106	114	107	111	118	127	135
Total	116	123	132	132	137	144	152	161
<b>Other food</b>								
Sugar a	1 238	1 000	1 127	1 503	1 551	1 035	1 374	1 828
Confectionery	295	271	259	208	215	237	269	259
Food nec	1 075	1 129	1 080	1 099	1 142	1 094	1 422	1 421
Total	2 608	2 400	2 467	2 809	2 907	2 366	3 065	3 509
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	48	53	46	42	39	38	45	55
Beer and malt	324	282	241	218	273	335	447	406
Wine	2 428	2 497	2 721	2 768	2 894	2 700	2 493	2 188
Spirit	106	84	92	91	89	86	105	101
Total	2 905	2 915	3 100	3 120	3 294	3 159	3 091	2 750
<b>Total food and beverage</b>								
Minimally transformed	6 852	7 099	7 006	6 722	5 532	6 586	9 463	7 514
Substantially transformed	15 398	14 956	16 663	16 919	17 530	16 528	18 243	16 510
Elaborately transformed	365	347	341	286	297	324	350	361
Total	22 614	22 402	24 011	23 927	23 359	23 439	28 056	24 386

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

## 5.2 Australian grain exports, by level of transformation

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
<b>Cereals</b>								
Barley, feed	233	627	667	563	242	778	555	402
Barley, malting	457	371	378	342	334	397	334	306
Maize	13	6	6	4	4	5	13	8
Oats	44	38	36	47	20	37	64	53
Rice, husked (paddy)	9	0	0	0	0	0	1	0
Sorghum	17	61	96	33	13	76	405	116
Wheat	3 036	3 399	3 396	3 212	2 673	2 886	4 936	3 631
Other <sup>a</sup>	63	152	94	105	44	42	75	103
<b>Total</b>	<b>3 873</b>	<b>4 655</b>	<b>4 672</b>	<b>4 305</b>	<b>3 329</b>	<b>4 221</b>	<b>6 383</b>	<b>4 618</b>
<b>Oilseeds</b>								
Canola	289	453	397	331	108	303	595	583
Cottonseed	82	62	55	53	31	8	19	46
Sunflowerseed	7	4	6	9	10	12	12	8
Other	22	31	35	19	18	23	17	20
<b>Total</b>	<b>400</b>	<b>550</b>	<b>492</b>	<b>411</b>	<b>167</b>	<b>346</b>	<b>644</b>	<b>657</b>
<b>Other</b>	<b>58</b>	<b>148</b>	<b>90</b>	<b>102</b>	<b>42</b>	<b>36</b>	<b>65</b>	<b>99</b>
<b>Substantially and elaborately transformed</b>								
<b>Milled</b>								
Barley, maize, oats	23	26	28	34	47	54	71	67
Rice	102	64	52	92	226	85	50	31
Wheat	15	12	13	8	7	10	8	4
Other	1	1	1	9	23	12	7	4
<b>Total</b>	<b>140</b>	<b>103</b>	<b>94</b>	<b>142</b>	<b>302</b>	<b>161</b>	<b>137</b>	<b>106</b>
<b>Flour</b>								
Rice	3	4	3	2	2	2	2	1
Wheat	73	76	93	83	93	104	92	55
Other	1	2	3	2	1	1	2	1
<b>Total</b>	<b>77</b>	<b>82</b>	<b>99</b>	<b>88</b>	<b>96</b>	<b>107</b>	<b>96</b>	<b>58</b>
<b>Oil</b>								
Canola	30	41	41	29	33	78	114	98
Cottonseed	1	1	0	1	1	1	8	3
Sunflowerseed	9	2	5	11	8	3	15	11
Other	71	62	63	62	66	70	66	64
<b>Total</b>	<b>109</b>	<b>105</b>	<b>109</b>	<b>101</b>	<b>107</b>	<b>152</b>	<b>204</b>	<b>175</b>
<b>Cereal starches</b>								
Wheat	97	78	80	89	95	132	235	229
Rice	2	3	2	2	2	1	1	2
Other	0	0	0	1	0	0	1	0
<b>Total</b>	<b>99</b>	<b>82</b>	<b>82</b>	<b>92</b>	<b>97</b>	<b>133</b>	<b>237</b>	<b>232</b>
<b>Malt</b>	<b>256</b>	<b>233</b>	<b>223</b>	<b>201</b>	<b>254</b>	<b>317</b>	<b>428</b>	<b>387</b>
<b>Preparations of cereals</b>								
Biscuits	97	106	114	107	111	118	127	135
Breads and cakes	3	4	5	9	10	10	10	12
Pasta	40	36	40	42	43	43	49	46
Other	112	118	123	110	98	124	166	158
<b>Total</b>	<b>252</b>	<b>263</b>	<b>281</b>	<b>268</b>	<b>262</b>	<b>296</b>	<b>352</b>	<b>351</b>
<b>Total grains</b>								
Minimally transformed	4 331	5 353	5 255	4 818	3 538	4 603	7 092	5 374
Substantially transformed	898	827	831	842	1 067	1 110	1 395	1 249
Elaborately transformed	34	42	56	50	52	54	59	60
<b>Total</b>	<b>5 263</b>	<b>6 221</b>	<b>6 142</b>	<b>5 710</b>	<b>4 657</b>	<b>5 768</b>	<b>8 546</b>	<b>6 683</b>

<sup>a</sup> Includes ABARES estimates where ABS confidentiality restrictions apply.

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



## 5.3 Australian meat and livestock exports, by level of transformation

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Live animals a</b>								
Cattle	569	318	374	358	437	451	559	600
Sheep	408	266	207	291	289	286	339	297
Other	23	18	13	19	26	24	26	27
Total live animal exports	1 001	602	594	668	752	761	924	924
<b>Meat and meat products</b>								
<b>Beef and veal b</b>								
Fresh, chilled or frozen								
Carcasses	5	4	4	4	6	5	7	5
Hindquarters and forequarters								
Bone-in	21	10	10	10	20	11	12	15
Boneless	337	253	300	235	292	283	463	294
Cuts								
Bone-in	108	103	160	198	208	205	153	122
Boneless	3 436	3 557	4 405	4 092	4 368	3 909	4 415	3 674
Other products c	200	303	460	468	448	416	455	385
Beef and veal products, otherwise prepared or preserved d	57	83	82	85	71	56	64	63
Total beef and veal	4 164	4 313	5 422	5 092	5 413	4 886	5 569	4 557
<b>Sheep meat</b>								
Fresh, chilled or frozen								
Carcasses	102	81	89	98	107	101	147	157
Cuts								
Bone-in	625	682	732	792	798	824	894	848
Boneless	298	283	296	334	347	353	422	383
Other products c	43	48	44	46	44	46	90	90
Sheep meat products, otherwise prepared or preserved d	3	3	2	3	3	2	3	3
Total sheep meat	1 070	1 097	1 164	1 272	1 298	1 327	1 557	1 481
<b>Pig meat</b>								
Fresh, chilled or frozen								
Carcasses	115	84	70	68	73	63	62	53
Hams, shoulders and cuts	7	9	11	12	11	15	11	10
Other pig meat nec	135	88	69	62	58	51	51	46
Other products c	6	7	8	11	10	9	11	9
Pig meat products, otherwise prepared or preserved d	2	2	3	2	3	4	3	1
Total pig meat	264	190	161	156	155	141	137	119
<b>Poultry meat e</b>	22	20	20	21	26	32	43	36
Bacon, ham and smallgoods	83	84	107	91	43	33	47	54
<b>Other meat</b>								
Fresh, chilled or frozen								
Goat meat	47	49	71	82	77	55	72	104
Horse, ass, mule and hinny meat	14	11	9	9	10	8	11	8
Kangaroo meat	27	26	25	34	44	39	34	15
Other meat and meat products c	26	23	29	18	22	18	16	16
Other meat products, otherwise prepared or preserved d	14	14	21	11	30	33	15	12
Total other meat	128	123	155	153	182	152	148	156
<b>Total meat and meat product exports</b>	<b>5 730</b>	<b>5 827</b>	<b>7 029</b>	<b>6 785</b>	<b>7 117</b>	<b>6 571</b>	<b>7 501</b>	<b>6 403</b>

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

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Butter and butterfat a</b>	224	183	188	225	179	195	232	211
<b>Cheese</b>								
Unprocessed cheddar	250	253	263	226	200	275	299	219
Processed cheddar	143	124	171	167	164	147	83	96
Unprocessed other	185	165	220	223	208	231	197	194
Processed other	93	63	58	75	69	57	7	6
Fresh, unripened or uncured b	116	122	154	135	169	234	188	174
Grated or powdered cheese	13	11	10	11	15	23	22	27
Total cheese	800	739	877	837	824	968	796	715
<b>Wholemilk powder</b>	380	322	324	334	275	392	475	296
<b>Skim milk powder</b>	408	388	420	529	505	533	553	358
<b>Casein</b>	128	123	116	89	113	125	107	88
<b>Other products</b>								
Fresh milk	98	104	109	107	96	84	102	91
Ice cream	29	35	42	41	42	37	31	31
Other fresh products	6	10	9	6	12	12	0	1
Condensed milk	133	121	140	148	157	152	159	124
Other powders	274	257	248	241	211	247	250	149
Lactose	6	7	10	8	13	13	5	21
Yoghurt	9	9	8	10	10	12	13	13
Other dairy products	2	1	2	0	5	6	2	2
<b>Total</b>	<b>2 499</b>	<b>2 298</b>	<b>2 494</b>	<b>2 574</b>	<b>2 443</b>	<b>2 777</b>	<b>2 726</b>	<b>2 102</b>

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

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Fish</b>								
<b>Minimally transformed</b>								
<b>Live</b>	47	39	35	40	41	43	46	40
<b>Fresh or chilled</b>								
Tuna a	107	125	67	68	46	44	63	59
Salmon	7	2	8	5	10	16	42	26
Other fish	25	21	18	13	11	12	21	24
Total	138	148	93	86	67	72	126	109
<b>Whole frozen</b>								
Tuna a	213	146	95	109	114	158	112	58
Salmon	3	0	1	0	1	1	2	0
Whiting	3	2	4	5	4	3	3	3
Other fish	19	14	17	8	9	5	4	4
Total	238	163	117	122	127	167	121	65
<b>Substantially transformed</b>								
<b>Fillets</b>								
Fresh or chilled	4	1	2	3	8	3	1	2
Frozen	20	16	17	12	5	2	4	9
Total	24	17	19	15	13	6	5	10
Other frozen	6	9	6	4	4	2	2	10
<b>Elaborately transformed</b>								
<b>Dried, salted or smoked</b>								
Salmon	1	1	0	1	1	1	1	1
Other fish	17	19	20	13	14	16	16	13
Total	19	19	20	14	15	17	17	13
<b>Canned</b>	5	6	7	7	6	13	10	6
<b>Other processed</b>	1	2	1	2	1	2	2	2
<b>Total fish</b>	479	403	297	289	275	321	329	255

*Continued*

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

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Shellfish</b>								
<b>Minimally transformed</b>								
<b>Live fresh or chilled</b>								
<b>Whole</b>								
Rock lobster	228	228	239	296	281	265	354	326
Crabs	17	14	14	13	12	9	9	9
Other crustaceans	0	0	0	0	4	2	1	0
Abalone	75	77	84	98	98	88	88	100
Other molluscs	1	0	1	1	1	1	1	1
Other	28	8	1	1	1	0	0	0
<b>Total</b>	<b>349</b>	<b>327</b>	<b>340</b>	<b>408</b>	<b>396</b>	<b>364</b>	<b>453</b>	<b>436</b>
<b>Substantially transformed</b>								
<b>Rock lobster</b>								
Frozen green	25	21	21	18	18	16	12	14
Cooked	91	70	70	74	58	53	39	23
Tails	113	103	101	97	102	63	53	35
Other	6	6	9	5	5	4	4	2
<b>Total</b>	<b>235</b>	<b>199</b>	<b>200</b>	<b>194</b>	<b>183</b>	<b>136</b>	<b>108</b>	<b>74</b>
<b>Prawns</b>								
Headless	12	5	7	3	2	6	8	5
Whole frozen	193	151	153	129	89	56	71	53
Other	4	4	3	2	3	7	4	4
<b>Total</b>	<b>208</b>	<b>161</b>	<b>163</b>	<b>134</b>	<b>94</b>	<b>69</b>	<b>82</b>	<b>61</b>
<b>Crabs</b>								
Other crustaceans	14	9	10	5	9	4	4	3
Abalone	74	59	74	60	63	56	50	53
Scallops	26	35	32	39	35	28	33	29
Other molluscs	2	1	2	2	3	2	3	3
<b>Elaborately transformed</b>								
<b>Dried salted</b>								
Molluscs	9	8	8	11	9	2	4	2
<b>Canned</b>								
Abalone	107	120	139	114	107	93	89	83
Other shellfish	0	0	0	0	0	0	0	0
Other preserved	13	9	0	0	1	3	1	1
Seafood extracts	0	0	0	0	0	0	0	0
Seafood meals and flours	4	2	2	2	1	1	1	0
<b>Total</b>	<b>123</b>	<b>132</b>	<b>142</b>	<b>116</b>	<b>109</b>	<b>96</b>	<b>91</b>	<b>84</b>
<b>Total shellfish</b>	<b>1 046</b>	<b>934</b>	<b>976</b>	<b>974</b>	<b>904</b>	<b>765</b>	<b>835</b>	<b>752</b>
<b>Total seafood</b>								
Minimally transformed	773	677	584	657	631	646	747	650
Substantially transformed	595	493	511	457	408	310	294	250
Elaborately transformed	158	167	178	149	140	129	123	107
<b>Total</b>	<b>1 525</b>	<b>1 337</b>	<b>1 273</b>	<b>1 263</b>	<b>1 179</b>	<b>1 085</b>	<b>1 164</b>	<b>1 006</b>

<sup>a</sup> 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.

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

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
<b>Fruit</b>								
Oranges	146	107	118	137	141	135	123	143
Grapes	96	85	109	115	94	101	189	85
Apples	41	20	17	12	12	7	9	8
Pears	23	12	12	9	6	7	10	10
Mandarins	49	43	41	35	29	34	34	46
Plums	26	13	16	14	11	11	10	10
Melons	17	15	16	16	17	15	19	19
Mangoes	12	11	13	12	13	11	15	16
Nectarines	23	12	15	16	11	10	13	12
Other fruit	64	41	50	48	48	48	59	55
<b>Total fruit</b>	<b>498</b>	<b>358</b>	<b>407</b>	<b>414</b>	<b>382</b>	<b>377</b>	<b>481</b>	<b>404</b>
<b>Nuts, in shell</b>								
Macadamias	24	35	41	34	24	20	16	20
Almonds	6	9	9	21	28	24	51	35
Other nuts	5	5	5	12	17	12	15	14
<b>Total nuts</b>	<b>35</b>	<b>49</b>	<b>55</b>	<b>67</b>	<b>69</b>	<b>56</b>	<b>82</b>	<b>68</b>
<b>Substantially transformed</b>								
<b>Canned or bottled</b>								
Pears	29	23	17	21	14	10	9	8
Fruit salads and mixtures	27	20	18	17	16	13	13	10
Peaches	31	18	9	13	16	17	16	13
Pineapples	3	3	3	3	3	2	2	3
Apricots	3	2	1	2	2	1	1	1
Apples	0	0	0	0	0	0	0	0
Other canned or bottled fruit	8	7	8	9	12	8	6	7
<b>Total canned or bottled fruit</b>	<b>102</b>	<b>74</b>	<b>57</b>	<b>65</b>	<b>62</b>	<b>51</b>	<b>46</b>	<b>42</b>
<b>Dried</b>								
Grapes	20	15	15	18	16	13	15	13
Other dried fruit	3	3	3	5	3	4	5	4
<b>Total dried fruit</b>	<b>23</b>	<b>18</b>	<b>19</b>	<b>22</b>	<b>19</b>	<b>17</b>	<b>19</b>	<b>17</b>
<b>Juice</b>								
Orange, frozen or otherwise	17	14	18	17	19	15	9	8
Grape	12	13	12	13	17	12	8	7
Apple	12	11	9	9	10	9	5	4
Pineapple	3	3	2	2	2	2	2	1
Other fruit juice	30	32	47	50	47	65	61	50
<b>Total fruit juice</b>	<b>73</b>	<b>72</b>	<b>88</b>	<b>91</b>	<b>96</b>	<b>102</b>	<b>86</b>	<b>70</b>
<b>Shelled nuts</b>								
Macadamias	64	71	104	86	65	64	71	63
Other shelled nuts	18	29	41	61	56	70	90	92
<b>Total shelled nuts</b>	<b>82</b>	<b>100</b>	<b>146</b>	<b>147</b>	<b>121</b>	<b>134</b>	<b>161</b>	<b>155</b>
<b>Jams, spreads, pastes etc</b>								
	10	14	16	17	16	17	14	12
<b>Otherwise processed fruits</b>								
Fruits preserved by sugar	3	2	2	2	4	2	2	1
Frozen fruits	1	1	1	1	2	2	3	5
Other processed fruits	3	2	1	2	3	1	3	4
<b>Total otherwise processed fruits</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>8</b>	<b>10</b>
<b>Total fruit and nut products</b>								
Minimally transformed	532	407	462	481	451	433	563	472
Substantially transformed	298	283	329	348	323	327	335	306
<b>Total</b>	<b>830</b>	<b>690</b>	<b>791</b>	<b>829</b>	<b>774</b>	<b>760</b>	<b>898</b>	<b>778</b>

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

## 5.7 Selected Australian vegetable exports, by level of transformation

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
<b>Vegetables</b>								
Asparagus	34	22	27	22	18	17	24	15
Carrots	48	39	37	41	41	38	46	51
Cauliflowers	23	13	6	2	1	1	1	1
Onions	25	24	21	22	28	27	27	26
Headed broccoli	13	10	9	8	8	5	5	5
Potatoes (excluding seed)	13	14	16	15	11	7	10	16
Tomatoes	7	8	6	8	9	12	6	7
Lettuce	6	4	5	4	4	5	6	5
Chinese cabbage	4	2	2	3	2	0	1	0
Other vegetables	26	25	25	25	24	25	27	23
Total vegetables	199	161	155	149	146	137	152	149
<b>Substantially transformed</b>								
<b>Canned or bottled</b>								
Tomatoes and tomato products	29	17	17	17	17	17	16	16
Ginger in syrup	6	5	5	5	6	5	4	4
Other canned or bottled vegetables	4	3	3	3	2	2	2	3
Total canned or bottled vegetables	39	25	25	25	25	24	22	23
<b>Dried</b>								
Peas	37	52	33	42	79	60	61	62
Beans	66	56	37	66	65	60	67	51
Other dried vegetables	2	4	7	5	9	13	10	7
Total dried vegetables	105	111	77	113	153	134	138	120
<b>Juice</b>								
Vegetable juice mixtures	0	2	11	16	17	9	13	5
Single vegetable juices	24	21	6	2	3	3	2	2
Tomato juice	1	1	1	1	1	0	0	0
Total juice	26	24	17	19	20	13	15	6
<b>Frozen</b>								
Potatoes	18	23	14	14	16	22	20	22
Mixed vegetables	3	5	5	3	2	2	1	1
Corn	5	1	1	0	1	1	1	1
Peas	0	0	0	0	1	0	1	1
Other frozen vegetables	2	10	5	7	10	8	5	10
Total frozen vegetables	27	39	27	25	30	33	28	35
<b>Saps and extracts</b>								
Hop extracts	3	4	4	2	1	2	1	0
Miscellaneous vegetable extracts	15	11	12	13	12	14	16	18
Total vegetable extracts	18	15	16	15	13	15	17	19
<b>Otherwise processed vegetables</b>								
Hops	5	6	4	1	4	12	10	7
Ginger	7	7	7	7	8	7	6	7
Mixed vegetables	2	1	3	3	2	1	1	1
Potatoes	1	1	1	1	1	1	1	0
Other	9	8	8	7	8	6	8	8
Total otherwise processed vegetables	24	23	22	19	22	28	25	23
<b>Total vegetable products</b>								
Minimally transformed	199	161	155	149	146	137	152	149
Substantially transformed	239	238	185	216	263	247	246	225
Total	439	399	340	365	410	384	397	375

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

## 5.8 Australian food exports, by level of transformation and state, 2009-10

	NSW \$m	Vic \$m	Qld \$m	WA \$m	SA \$m	Tas \$m	NT \$m
<b>Minimally transformed</b>							
Live animals except fish	17	138	112	438	20	0	199
Fish or shellfish	15	35	79	161	208	150	0
<b>Horticulture</b>							
Vegetables	10	30	25	54	8	23	0
Fruit and nuts	68	212	69	13	66	21	2
Total	78	242	94	67	75	44	2
<b>Grains a</b>							
Oilseeds	7	18	58	443	125	6	0
Food nec	2	7	9	13	8	2	0
<b>Substantially and elaborately transformed</b>							
<b>Meat</b>							
Meat processing	1 117	1 319	2 836	348	563	127	2
Poultry processing	10	11	9	3	4	0	0
Bacon, ham and smallgoods	8	29	8	5	3	1	0
Total	1 136	1 359	2 853	356	570	128	2
<b>Seafood</b>							
	7	52	71	105	50	33	0
<b>Dairy</b>							
Milk and cream processing	39	766	3	37	0	33	0
Ice cream	18	4	9	0	0	0	0
Other dairy products	83	1 000	3	8	29	29	0
Total	140	1 770	16	46	29	62	1
<b>Fruit and vegetables</b>							
	101	216	87	21	86	3	3
<b>Oil and fat</b>							
	74	142	40	21	6	1	0
<b>Flour mill and cereal food</b>							
Flour mill products	287	11	14	37	15	0	0
Cereal food and baking mix	87	268	21	4	7	0	0
Total	374	279	35	40	22	0	0
<b>Bakery products</b>							
Bread, cake and pastry	22	3	1	0	0	0	0
Biscuit	58	43	28	1	6	0	0
Total	80	45	28	1	6	0	0
<b>Other food</b>							
Sugar a	35	2	1 770	0	0	0	0
Confectionery	39	141	4	3	0	58	0
Food nec	489	339	382	38	107	17	1
Total	563	482	2 156	40	107	74	1
<b>Beverage and malt</b>							
Soft drink, cordial and syrup	8	19	20	0	5	2	1
Beer and malt	14	125	1	163	83	0	0
Wine	563	234	4	35	1 327	4	0
Spirit	10	18	3	0	18	0	0
Total	595	396	27	198	1 432	7	1
<b>Total food and beverage</b>							
Minimally transformed	864	836	835	2 813	889	202	201
Substantially transformed	2 961	4 602	5 286	823	2 302	251	7
Elaborately transformed	110	140	27	6	5	58	0
Total b	3 935	5 578	6 147	3 642	3 197	511	208

a Includes ABARES 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; ABARES.

## 5.9 Australian air freight exports of food, by level of transformation <sup>a</sup>

	2004-05	2005-06	2006-07	2007-08	2008-09
	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>					
Live animals except fish	120	139	172	118	212
Fish or shellfish					
Fish	133	124	124	134	190
Shellfish	411	465	462	419	507
Total	544	589	587	553	697
<b>Horticulture</b>					
Vegetables	59	54	54	52	60
Fruit and nuts	87	86	89	87	138
Total	146	140	143	139	199
<b>Grains</b>	0	0	0	1	1
<b>Oilseeds</b>	2	2	2	3	2
<b>Substantially transformed</b>					
<b>Meat</b>					
Beef	103	115	126	154	167
Other meat and offal	200	214	219	205	237
Total	303	329	345	359	404
<b>Seafood</b>	35	23	10	9	15
<b>Dairy</b>					
Milk, cream and milk products <sup>b</sup>	10	13	17	24	21
Butter and other milk fat	1	0	1	1	1
Cheese and curd	7	11	8	15	12
Total	17	25	26	40	34
<b>Fruit and vegetables</b>	7	5	3	3	4
<b>Oil and fat</b>	3	4	5	5	4
<b>Flour mill and cereal food</b>	6	7	12	5	4
<b>Other food</b>					
Chocolate and chocolate confectionery	10	8	6	9	9
Sugar confectionery	6	2	3	3	3
Food nec	57	54	54	54	64
Total	73	64	62	66	76
<b>Beverages and malt</b>					
Nonalcoholic	0	0	0	0	0
Alcoholic	12	12	13	13	12
Total	12	12	13	13	12
<b>Total food and beverage</b>					
Minimally transformed	812	870	903	813	1 110
Substantially transformed	455	469	476	500	551
Total	1 267	1 339	1 380	1 313	1 662

<sup>a</sup> Based on state of departure. <sup>b</sup> 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 <sup>a</sup>

	NSW \$m	Vic \$m	Qld \$m	WA \$m	SA \$m	Tas <sup>b</sup> \$m	NT \$m
<b>Minimally transformed</b>							
Live animals except fish	75	122	6	6	2	0	0
<b>Fish or shellfish</b>							
Fish	10	50	81	1	47	0	0
Shellfish	31	237	26	168	45	0	0
Total	41	287	108	169	92	0	0
<b>Horticulture</b>							
Vegetables	17	29	12	2	0	0	0
Fruit and nuts	49	48	24	14	4	0	0
Total	66	77	36	16	4	0	0
<b>Oilseeds</b>	2	0	0	0	0	0	0
<b>Substantially transformed</b>							
<b>Meat</b>							
Beef	28	32	97	9	1	0	0
Other meat and offal	35	89	39	59	16	0	0
Total	63	121	136	68	17	0	0
Seafood	1	8	3	0	3	0	0
<b>Dairy</b>							
Milk, cream and milk products <sup>c</sup>	9	9	3	0	0	0	0
Butter and other milk fat	0	0	0	0	0	0	0
Cheese and curd	3	8	0	0	0	0	0
Total	12	18	3	1	1	0	0
Fruit and vegetables	3	1	1	0	0	0	0
<b>Oil and fat</b>	2	1	0	0	0	0	0
<b>Flour mill and cereal food</b>	1	1	1	0	0	0	0
<b>Other food</b>							
Chocolate and chocolate confectionery	3	6	0	0	0	0	0
Sugar confectionery	1	1	1	0	0	0	0
Food nec	33	22	8	1	0	0	0
Total	36	29	9	1	0	0	0
<b>Beverages and malt</b>							
Nonalcoholic	0	0	0	0	0	0	0
Alcoholic	5	4	0	0	2	0	0
Total	5	4	1	0	2	0	0
<b>Total food and beverage</b>							
Minimally transformed	185	486	150	191	98	0	0
Substantially transformed	124	182	153	70	23	0	0
Total	308	667	303	261	121	0	0

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

Source: ABS, Air freight cargo statistics, unpublished.

# 5.11 Australian food exports to APEC member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	457	289	335	311	399	414	530	538
Fish or shellfish	758	665	567	641	611	630	728	634
<b>Horticulture</b>								
Vegetables	163	119	115	105	94	85	95	95
Fruit and nuts	432	305	337	347	320	312	397	333
Total	595	424	451	452	413	397	492	428
<b>Grains a</b>	2 113	2 236	2 408	2 151	1 977	2 762	5 293	2 810
Oilseeds	325	312	286	208	132	99	122	172
Food nec	46	27	25	29	40	27	28	22
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	4 917	5 078	6 193	5 886	6 147	5 413	6 097	5 165
Poultry processing	5	6	7	8	10	12	17	18
Bacon, ham and smallgoods	68	72	90	77	34	27	42	50
Total	4 989	5 155	6 290	5 972	6 191	5 452	6 156	5 233
<b>Seafood</b>	667	578	581	507	480	390	376	321
<b>Dairy</b>								
Milk and cream processing	869	801	801	911	784	913	881	604
Ice cream	27	34	39	39	40	36	30	30
Other dairy products	839	833	963	899	943	1 085	1 031	906
Total	1 735	1 668	1 804	1 849	1 766	2 034	1 942	1 540
<b>Fruit and vegetables</b>	329	316	337	344	336	331	320	297
<b>Oil and fat</b>	122	123	125	124	141	198	254	235
<b>Flour mill and cereal food</b>								
Flour mill products	198	182	198	219	252	297	384	339
Cereal food and baking mix	129	130	141	137	122	177	294	330
Total	327	312	338	356	374	473	677	669
<b>Bakery products</b>								
Bread, cake and pastry	16	15	15	17	17	17	17	16
Biscuit	68	72	86	84	90	96	105	114
Total	84	87	101	101	107	113	122	130
<b>Other food</b>								
Sugar a	1 037	922	1 100	1 467	1 481	1 009	1 346	1 790
Confectionery	263	238	223	183	189	210	239	235
Food nec	824	852	832	778	785	772	913	877
Total	2 124	2 012	2 155	2 429	2 454	1 991	2 498	2 901
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	42	44	41	36	33	32	36	46
Beer and malt	196	173	167	147	198	239	336	303
Wine	1 223	1 309	1 373	1 400	1 462	1 359	1 367	1 252
Spirit	83	61	54	38	57	54	59	58
Total	1 544	1 587	1 635	1 620	1 750	1 683	1 798	1 659
<b>Total food and beverage</b>								
Minimally transformed	4 295	3 954	4 073	3 793	3 572	4 328	7 192	4 604
Substantially transformed	11 623	11 562	13 090	13 064	13 352	12 395	13 848	12 673
Elaborately transformed	299	278	277	237	249	270	295	312
Total	16 216	15 795	17 439	17 094	17 173	16 993	21 335	17 589

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

## 5.12 Australian food exports to ASEAN member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	410	258	280	268	363	390	494	475
Fish or shellfish	11	10	13	10	15	13	18	17
<b>Horticulture</b>								
Vegetables	86	56	45	41	40	35	43	48
Fruit and nuts	160	107	118	113	116	98	155	114
Total	246	163	163	154	156	133	198	162
Grains a	691	932	983	1 003	927	1 203	3 165	1 466
Oilseeds	3	4	5	2	2	1	2	3
Food nec	7	1	3	1	1	1	2	1
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	378	302	263	294	376	435	576	608
Poultry processing	1	2	2	4	4	5	7	5
Bacon, ham and smallgoods	3	3	3	3	3	3	3	3
Total	382	306	268	301	382	443	586	616
Seafood	53	45	50	49	49	47	50	51
<b>Dairy</b>								
Milk and cream processing	590	543	561	662	547	641	570	363
Ice cream	3	6	5	4	5	6	2	5
Other dairy products	183	169	217	241	241	255	236	243
Total	776	717	783	907	792	902	808	611
Fruit and vegetables	49	49	48	38	45	46	52	48
Oil and fat	19	25	24	21	29	43	60	73
<b>Flour mill and cereal food</b>								
Flour mill products	64	67	84	96	104	116	111	72
Cereal food and baking mix	16	12	15	12	16	30	83	99
Total	80	79	99	107	120	146	194	171
<b>Bakery products</b>								
Bread, cake and pastry	2	2	2	2	2	2	2	2
Biscuit	10	6	4	3	3	4	5	6
Total	12	8	6	5	5	5	7	8
<b>Other food</b>								
Sugar a	317	301	380	428	476	369	498	709
Confectionery	60	50	45	34	30	32	41	35
Food nec	140	130	153	128	140	165	196	177
Total	516	480	578	590	646	567	735	921
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	3	11	10	5	3	3	5	7
Beer and malt	147	133	125	124	160	218	259	238
Wine	52	62	75	76	89	91	90	94
Spirit	14	7	13	11	8	5	11	11
Total	216	213	222	215	260	317	366	350
<b>Total food and beverage</b>								
Minimally transformed	1 368	1 367	1 447	1 439	1 465	1 740	3 878	2 125
Substantially transformed	2 041	1 871	2 032	2 200	2 299	2 483	2 821	2 815
Elaborately transformed	62	51	46	35	30	33	38	35
Total	3 471	3 289	3 526	3 673	3 794	4 256	6 737	4 975

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

# 5.13 Australian food exports to NAFTA member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	14	3	3	10	4	4	6	4
Fish or shellfish	24	16	14	13	12	8	11	11
<b>Horticulture</b>								
Vegetables	0	0	0	1	1	1	1	0
Fruit and nuts	61	53	56	70	56	60	51	63
Total	61	54	57	70	57	61	51	64
Grains a	0	0	1	1	1	1	2	0
Oilseeds	35	9	7	6	6	10	5	14
Food nec	3	2	4	4	4	2	1	1
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	2 045	1 856	1 968	1 726	1 812	1 487	1 818	1 331
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	2	0	1	0	0	0	0	0
Total	2 047	1 856	1 969	1 726	1 813	1 488	1 818	1 331
Seafood	132	113	118	105	108	68	57	42
<b>Dairy</b>								
Milk and cream processing	20	35	31	45	30	21	10	11
Ice cream	0	0	0	0	0	0	4	4
Other dairy products	177	157	153	155	130	112	133	76
Total	197	192	184	201	160	134	148	91
Fruit and vegetables	53	53	57	50	50	35	39	38
Oil and fat	5	1	5	11	15	10	20	14
<b>Flour mill and cereal food</b>								
Flour mill products	52	45	41	47	53	82	163	166
Cereal food and baking mix	4	3	4	6	4	9	8	3
Total	56	48	46	53	57	91	171	170
<b>Bakery products</b>								
Bread, cake and pastry	0	0	0	0	0	0	0	0
Biscuit	5	6	6	6	8	7	9	11
Total	5	6	6	6	8	7	10	11
<b>Other food</b>								
Sugar a	159	167	143	138	119	47	88	103
Confectionery	8	9	11	10	8	10	12	12
Food nec	37	46	31	33	39	45	72	60
Total	204	222	185	180	167	102	172	174
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	1	1	1	1	1	1	1	1
Beer and malt	0	0	0	0	0	0	0	0
Wine	1 011	1 072	1 108	1 112	1 115	1 000	980	830
Spirit	2	1	1	1	1	3	4	5
Total	1 015	1 074	1 110	1 114	1 117	1 004	984	836
<b>Total food and beverage</b>								
Minimally transformed	138	83	85	104	83	86	76	94
Substantially transformed	3 699	3 550	3 665	3 432	3 480	2 924	3 399	2 684
Elaborately transformed	14	15	14	15	14	16	20	22
Total	3 851	3 648	3 765	3 550	3 577	3 026	3 495	2 800

a Includes ABARES estimates where ABS confidentiality restrictions apply.

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

# 5.14 Australian food exports to EU member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	1	0	1	0	0	0	0
Fish or shellfish	11	9	12	6	7	7	11	10
<b>Horticulture</b>								
Vegetables	21	20	16	16	22	23	21	17
Fruit and nuts	22	21	31	24	24	26	18	14
Total	42	42	47	40	46	49	39	31
Grains <sup>a</sup>	69	127	122	113	57	56	255	100
Oilseeds	12	59	19	110	6	100	438	140
Food nec	8	5	8	7	4	3	5	5
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	207	228	241	210	237	267	300	227
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	1	0	3	4	2	0	0	0
Total	208	229	243	214	239	267	300	227
Seafood	40	58	56	61	37	15	16	10
<b>Dairy</b>								
Milk and cream processing	4	10	23	16	17	10	5	11
Ice cream	0	0	0	0	0	0	0	0
Other dairy products	111	99	109	81	70	85	41	23
Total	115	108	132	98	87	95	46	34
Fruit and vegetables	93	88	89	85	81	97	92	78
Oil and fat	2	4	4	7	6	6	15	27
<b>Flour mill and cereal food</b>								
Flour mill products	1	1	1	1	2	1	6	1
Cereal food and baking mix	5	4	5	5	6	7	4	4
Total	6	5	6	6	9	8	10	5
<b>Bakery products</b>								
Bread, cake and pastry	0	0	0	0	0	0	0	0
Biscuit	7	15	9	10	6	6	5	4
Total	8	16	10	10	6	6	5	4
<b>Other food</b>								
Sugar <sup>a</sup>	1	1	4	1	10	6	5	0
Confectionery	2	6	8	5	6	8	8	7
Food nec	47	36	40	42	42	41	59	48
Total	49	42	52	47	59	55	72	55
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	1	2	1	1	1	2	4	3
Beer and malt	0	0	0	0	0	0	0	0
Wine	1 143	1 134	1 289	1 303	1 359	1 268	1 060	868
Spirit	5	4	3	7	13	15	29	20
Total	1 149	1 140	1 293	1 311	1 373	1 285	1 092	891
<b>Total food and beverage</b>								
Minimally transformed	143	242	208	277	121	216	748	286
Substantially transformed	1 660	1 669	1 869	1 826	1 884	1 821	1 637	1 320
Elaborately transformed	10	20	17	14	12	14	12	10
Total	1 813	1 932	2 094	2 117	2 017	2 050	2 397	1 616

<sup>a</sup> Includes ABARES estimates where ABS confidentiality restrictions apply.  
 Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABARES.

## 5.15 Australian total food exports, by selected destination

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m
Canada	447	425	423	402	380	335
China	1 158	786	664	917	1 178	1 379
Chinese Taipei	644	704	595	574	671	625
Egypt	223	471	151	174	315	263
Germany	143	172	123	162	153	109
Hong Kong, China	710	789	827	857	1 082	997
Indonesia	1 234	1 442	1 566	1 702	2 652	2 056
Japan	5 478	4 916	4 752	4 553	5 517	4 225
Korea, Rep. of	1 404	1 634	1 850	1 655	1 873	1 773
Malaysia	902	750	801	799	1 231	883
New Zealand	1 058	1 092	1 203	1 303	1 406	1 343
Philippines	339	285	240	308	563	317
Saudi Arabia	585	777	568	1 144	1 020	535
Singapore	560	622	650	712	792	722
Thailand	297	385	305	393	626	423
United Arab Emirates	276	419	284	445	567	527
United Kingdom	1 202	1 175	1 209	1 136	1 005	784
United States	3 231	3 006	3 058	2 552	3 054	2 414

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

# 5.16 Australian food exports to selected countries

	Japan		United States		United Kingdom	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	15	15	5	4	0	0
Fish or shellfish	216	152	11	11	0	1
<b>Horticulture</b>						
Vegetables	27	20	0	0	1	1
Fruit and nuts	27	33	42	55	7	7
Total	54	54	43	55	9	8
<b>Grains a</b>	1 281	705	2	0	28	6
<b>Oilseeds</b>	86	142	3	13	0	0
<b>Food nec</b>	20	16	1	1	2	1
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	2 456	1 981	1 680	1 218	134	108
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	1	0	0	0	0	0
Total	2 457	1 981	1 681	1 218	134	108
<b>Seafood</b>	86	64	54	39	1	0
<b>Dairy</b>						
Milk and cream processing	45	25	9	10	4	10
Ice cream	6	6	3	4	0	0
Other dairy products	471	397	114	59	9	4
Total	521	427	126	73	13	14
<b>Fruit and vegetables</b>	74	52	32	32	16	15
<b>Oil and fat</b>	17	7	19	13	5	7
<b>Flour mill and cereal food</b>						
Flour mill products	40	38	157	160	4	0
Cereal food and baking mix	20	19	7	2	2	2
Total	60	58	164	162	6	3
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	6	6	6	7	4	3
Total	6	6	6	8	4	3
<b>Other food</b>						
Sugar a	192	189	78	103	13	0
Confectionery	41	39	9	9	7	6
Food nec	255	193	54	45	26	29
Total	488	421	142	157	46	35
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	3	3	1	1	4	2
Beer and malt	78	77	0	0	0	0
Wine	54	43	762	627	737	579
Spirit	1	1	3	2	0	2
Total	136	124	766	630	741	583
<b>Total food and beverage</b>						
Minimally transformed	1 672	1 083	64	83	39	16
Substantially transformed	3 827	3 118	2 975	2 315	956	761
Elaborately transformed	18	23	15	16	10	8
Total	5 517	4 225	3 054	2 414	1 005	784

Continued

# 5.16 Australian food exports to selected countries *continued*

	Hong Kong, China		New Zealand		Chinese Taipei	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	1	1	1	0	0
Fish or shellfish	445	412	0	1	19	9
<b>Horticulture</b>						
Vegetables	6	5	13	15	2	2
Fruit and nuts	131	83	27	28	11	11
Total	137	89	41	43	13	13
<b>Grains a</b>	3	1	207	106	204	101
<b>Oilseeds</b>	0	0	3	3	1	2
<b>Food nec</b>	1	0	3	2	2	0
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	139	165	82	61	200	194
Poultry processing	9	11	0	0	0	0
Bacon, ham and smallgoods	1	1	5	4	0	0
Total	149	177	88	65	200	194
<b>Seafood</b>	125	118	9	16	35	23
<b>Dairy</b>						
Milk and cream processing	42	37	24	30	47	41
Ice cream	0	0	14	14	4	1
Other dairy products	35	35	33	33	25	28
Total	78	72	71	77	76	70
<b>Fruit and vegetables</b>	12	9	117	129	5	5
<b>Oil and fat</b>	18	11	71	61	7	6
<b>Flour mill and cereal food</b>						
Flour mill products	5	4	29	22	16	20
Cereal food and baking mix	7	7	82	84	5	12
Total	11	11	111	106	21	31
<b>Bakery products</b>						
Bread, cake and pastry	3	3	11	11	0	0
Biscuit	1	2	81	86	0	0
Total	4	4	92	97	1	0
<b>Other food</b>						
Sugar a	9	2	103	137	26	102
Confectionery	16	13	121	131	3	2
Food nec	21	23	233	227	50	57
Total	46	38	456	495	79	161
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	1	1	20	27	1	1
Beer and malt	0	1	1	1	0	0
Wine	48	49	82	79	8	9
Spirit	2	3	34	35	0	0
Total	52	55	137	141	9	10
<b>Total food and beverage</b>						
Minimally transformed	586	503	254	155	239	125
Substantially transformed	476	479	965	984	429	496
Elaborately transformed	20	16	187	204	4	3
Total	1 082	997	1 406	1 343	671	625

*Continued*



# 5.16 Australian food exports to selected countries *continued*

	Philippines		China		Malaysia	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	8	9	16	43	28	17
Fish or shellfish	0	0	20	32	3	2
<b>Horticulture</b>						
Vegetables	1	1	0	0	11	12
Fruit and nuts	0	0	4	4	32	22
Total	1	1	4	4	43	34
<b>Grains a</b>	194	31	537	629	544	201
<b>Oilseeds</b>	0	0	22	1	0	1
<b>Food nec</b>	0	0	0	0	0	1
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	70	66	130	125	101	101
Poultry processing	5	3	0	0	0	1
Bacon, ham and smallgoods	1	0	29	39	0	0
Total	75	70	159	164	102	102
<b>Seafood</b>	2	1	10	11	10	7
<b>Dairy</b>						
Milk and cream processing	117	55	119	74	93	35
Ice cream	0	3	0	0	0	0
Other dairy products	45	40	45	56	42	49
Total	161	98	164	130	135	85
<b>Fruit and vegetables</b>	4	5	13	8	22	15
<b>Oil and fat</b>	4	3	13	15	23	18
<b>Flour mill and cereal food</b>						
Flour mill products	23	13	2	3	14	12
Cereal food and baking mix	4	6	77	90	35	43
Total	27	19	80	93	49	55
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	1
Biscuit	0	0	1	1	1	1
Total	0	1	1	1	1	2
<b>Other food</b>						
Sugar a	1	2	3	4	205	278
Confectionery	8	6	1	1	6	7
Food nec	16	17	34	92	34	31
Total	24	25	38	97	244	316
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	0	3	3	0	1
Beer and malt	54	48	1	4	3	4
Wine	4	4	95	144	22	23
Spirit	2	1	1	1	0	1
Total	61	54	99	152	26	28
<b>Total food and beverage</b>						
Minimally transformed	203	41	600	708	619	256
Substantially transformed	352	270	576	668	606	620
Elaborately transformed	8	6	2	2	6	8
Total	563	317	1 178	1 379	1 231	883

*Continued*

# 5.16 Australian food exports to selected countries *continued*

	Singapore		Republic of Korea		Saudi Arabia	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	2	3	0	0	93	38
Fish or shellfish	7	5	0	0	0	0
<b>Horticulture</b>						
Vegetables	23	23	2	3	5	5
Fruit and nuts	45	32	0	0	2	3
Total	67	54	2	3	7	9
<b>Grains a</b>	68	23	470	291	684	259
Oilseeds	0	1	3	7	4	0
Food nec	1	0	0	1	0	0
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	174	171	663	668	106	109
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	1	1	0	0	0	0
Total	174	172	663	668	106	110
<b>Seafood</b>	37	33	0	0	0	0
<b>Dairy</b>						
Milk and cream processing	158	130	53	39	51	46
Ice cream	2	2	0	0	0	0
Other dairy products	64	64	57	45	39	40
Total	224	196	111	84	90	86
<b>Fruit and vegetables</b>	9	10	6	6	22	19
<b>Oil and fat</b>	17	18	45	47	0	0
<b>Flour mill and cereal food</b>						
Flour mill products	5	3	18	13	0	1
Cereal food and baking mix	4	4	3	9	2	4
Total	9	7	21	22	3	5
<b>Bakery products</b>						
Bread, cake and pastry	2	2	0	0	0	0
Biscuit	2	4	0	1	1	0
Total	4	5	0	1	1	1
<b>Other food</b>						
Sugar a	61	83	425	543	0	0
Confectionery	22	18	3	1	4	3
Food nec	22	21	34	37	7	5
Total	106	121	461	580	11	8
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	3	4	1	2	0	0
Beer and malt	13	20	73	49	0	0
Wine	46	46	11	9	0	0
Spirit	4	4	4	3	0	0
Total	67	74	89	63	0	0
<b>Total food and beverage</b>						
Minimally transformed	145	86	476	302	787	306
Substantially transformed	628	619	1 394	1 470	227	225
Elaborately transformed	19	17	3	1	6	3
Total	792	722	1 873	1 773	1020	535

*Continued*

# 5.16 Australian food exports to selected countries *continued*

	Canada		Thailand		Egypt	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	1	1	2	2	0	30
Fish or shellfish	0	0	4	5	0	0
<b>Horticulture</b>						
Vegetables	0	0	2	1	0	0
Fruit and nuts	9	8	31	21	0	0
Total	9	8	32	22	0	0
<b>Grains a</b>	0	0	284	118	220	142
<b>Oilseeds</b>	2	1	1	1	0	0
<b>Food nec</b>	0	0	0	0	0	0
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	101	90	27	27	17	36
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	0	0
Total	101	91	27	27	17	36
<b>Seafood</b>	3	3	3	4	0	0
<b>Dairy</b>						
Milk and cream processing	1	0	53	40	7	1
Ice cream	1	0	0	0	0	0
Other dairy products	6	2	33	28	31	27
Total	8	2	86	68	38	28
<b>Fruit and vegetables</b>	7	6	6	8	31	18
<b>Oil and fat</b>	1	0	2	5	1	0
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	17	12	0	0
Cereal food and baking mix	1	1	26	29	0	1
Total	1	1	43	41	0	1
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	3	3	0	0	0	0
Total	3	3	0	0	0	0
<b>Other food</b>						
Sugar a	9	0	0	0	0	0
Confectionery	3	3	4	3	0	0
Food nec	18	14	25	29	9	8
Total	30	17	29	32	9	8
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	0	0	1	0	0
Beer and malt	0	0	90	76	0	0
Wine	215	201	12	12	0	0
Spirit	0	0	4	1	0	0
Total	216	201	106	90	0	0
<b>Total food and beverage</b>						
Minimally transformed	11	11	323	148	221	172
Substantially transformed	363	318	300	272	94	90
Elaborately transformed	6	6	3	2	1	0
Total	380	335	626	423	315	263

*Continued*

# 5.16 Australian food exports to selected countries *continued*

	Indonesia		Germany		United Arab Emirates	
	2008-09	2009-10	2008-09	2009-10	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>						
Live animals except fish	449	439	0	0	11	10
Fish or shellfish	4	4	1	2	2	1
<b>Horticulture</b>						
Vegetables	5	8	3	7	14	15
Fruit and nuts	33	32	1	0	36	28
Total	38	41	4	8	50	43
<b>Grains a</b>	1400	726	1	0	193	125
Oilseeds	0	0	26	0	0	35
Food nec	0	0	4	3	0	0
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	175	206	38	19	155	166
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	2	1	0	0	1	1
Total	177	207	38	19	156	167
<b>Seafood</b>	1	3	1	1	0	0
<b>Dairy</b>						
Milk and cream processing	114	81	0	0	54	21
Ice cream	0	0	0	0	0	0
Other dairy products	44	53	1	0	21	15
Total	158	134	1	0	75	36
<b>Fruit and vegetables</b>	8	7	31	35	27	21
<b>Oil and fat</b>	11	24	0	1	3	2
<b>Flour mill and cereal food</b>						
Flour mill products	50	32	1	0	2	1
Cereal food and baking mix	14	15	0	0	2	30
Total	64	47	1	0	4	32
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	1	1	0	0	2	2
Total	1	1	0	0	2	2
<b>Other food</b>						
Sugar a	231	347	0	0	0	0
Confectionery	1	0	0	0	8	6
Food nec	92	60	6	4	23	33
Total	323	407	6	4	31	38
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	0	0	0	0	0
Beer and malt	15	13	0	0	0	0
Wine	3	3	38	35	13	14
Spirit	0	0	0	0	0	0
Total	18	17	38	36	13	14
<b>Total food and beverage</b>						
Minimally transformed	1891	1210	36	13	257	214
Substantially transformed	760	845	117	96	301	304
Elaborately transformed	1	1	0	0	10	8
<b>Total</b>	<b>2 652</b>	<b>2 056</b>	<b>153</b>	<b>109</b>	<b>567</b>	<b>527</b>

a Includes ABARES estimate where ABS confidentiality restrictions apply.  
 Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABARES.

## 6.1 Australian food imports, by level of transformation

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	0	1	1	1	1	2	1
Fish or shellfish	41	46	46	47	57	65	67	72
<b>Horticulture</b>								
Vegetables	27	34	32	41	45	53	49	58
Fruit and nuts	115	140	159	191	194	216	225	262
Total	142	173	191	233	238	269	274	320
<b>Grains</b>	65	1	1	1	2	2	2	3
<b>Oilseeds</b>	61	50	25	20	78	49	49	36
<b>Food nec</b>	93	88	116	140	176	188	180	229
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	172	224	345	290	446	381	525	497
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	39	40	41	43	42	50	68	82
Total	211	264	387	333	489	431	593	579
<b>Seafood</b>	923	868	928	998	1 151	1 095	1 249	1 201
<b>Dairy</b>								
Milk and cream processing	34	35	45	45	40	67	69	66
Ice cream	22	22	29	30	40	37	39	40
Other dairy products	275	272	310	357	401	552	522	510
Total	331	330	384	432	480	656	631	615
<b>Fruit and vegetables</b>	921	945	1 027	1 043	1 233	1 390	1 559	1 367
<b>Oil and fat</b>	365	373	376	417	481	489	578	485
<b>Flour mill and cereal food</b>								
Flour mill products	41	59	73	57	34	66	83	66
Cereal food and baking mix	236	260	285	305	325	462	576	577
Total	277	319	358	362	358	527	659	643
<b>Bakery products</b>								
Bread, cake and pastry	106	117	120	138	163	175	197	191
Biscuit	152	160	177	199	254	267	297	305
Total	257	277	297	337	417	442	493	496
<b>Other food</b>								
Sugar	20	15	18	19	20	22	44	71
Confectionery	245	261	307	333	371	438	518	525
Food nec	1 034	963	1 038	1 075	1 186	1 270	1 492	1 450
Total	1 299	1 240	1 363	1 427	1 577	1 731	2 054	2 046
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	461	502	537	571	656	697	791	798
Beer and malt	78	91	99	112	126	161	226	212
Wine	139	158	200	248	334	454	502	477
Spirit	331	354	390	414	465	491	530	538
Total	1 010	1 105	1 226	1 345	1 582	1 802	2 050	2 026
<b>Total food and beverage</b>								
Minimally transformed	403	359	379	441	551	574	574	661
Substantially transformed	5 390	5 504	6 119	6 435	7 430	8 167	9 437	9 024
Elaborately transformed	204	217	228	259	338	396	429	434
Total	5 996	6 080	6 725	7 135	8 319	9 138	10 441	10 119

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

## 6.2 Australian food imports from APEC member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	0	0	0	1	0	1	1
Fish or shellfish	41	42	44	46	56	63	66	70
<b>Horticulture</b>								
Vegetables	25	31	28	36	39	46	40	47
Fruit and nuts	93	113	138	164	152	191	196	224
Total	118	145	167	200	191	237	236	271
<b>Grains</b>								
Oilseeds	11	0	0	0	1	1	1	1
Food nec	36	32	16	10	40	19	18	14
Food nec	33	32	45	51	58	75	89	86
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	107	109	224	188	272	238	308	281
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	30	31	30	34	32	34	52	72
Total	138	140	254	222	304	272	360	354
<b>Seafood</b>								
Seafood	616	579	603	660	764	762	899	871
<b>Dairy</b>								
Milk and cream processing	33	34	43	44	38	65	68	65
Ice cream	20	19	22	23	27	29	28	29
Other dairy products	186	179	205	248	275	404	334	347
Total	239	232	271	315	339	498	430	440
<b>Fruit and vegetables</b>								
Fruit and vegetables	460	453	464	481	570	685	786	682
<b>Oil and fat</b>								
Oil and fat	155	171	167	196	200	253	345	262
<b>Flour mill and cereal food</b>								
Flour mill products	30	50	58	38	22	47	61	44
Cereal food and baking mix	149	170	191	199	170	243	375	376
Total	179	220	250	237	192	290	436	420
<b>Bakery products</b>								
Bread, cake and pastry	75	82	91	100	113	118	133	131
Biscuit	89	85	99	111	145	155	177	187
Total	164	168	190	211	258	273	310	318
<b>Other food</b>								
Sugar	13	10	12	13	16	17	26	64
Confectionery	112	113	138	144	157	194	234	240
Food nec	627	588	639	687	709	771	909	895
Total	751	711	789	844	882	982	1169	1199
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	90	83	93	104	120	126	147	143
Beer and malt	22	30	39	58	67	89	137	129
Wine	54	59	85	114	161	217	269	266
Spirit	130	145	162	181	211	212	225	204
Total	296	317	378	457	560	644	777	742
<b>Total food and beverage</b>								
Minimally transformed	239	252	272	307	347	395	412	443
Substantially transformed	2 877	2 880	3 239	3 483	3 891	4 447	5 285	5 055
Elaborately transformed	120	111	126	140	180	212	227	233
Total	3 236	3 243	3 638	3 931	4 417	5 054	5 924	5 732

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

## 6.3 Australian food imports from ASEAN member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	0	0	0	0	0	0	0
Fish or shellfish	1	1	1	1	2	2	1	2
<b>Horticulture</b>								
Vegetables	3	3	4	4	3	4	4	3
Fruit and nuts	2	3	5	6	7	5	5	7
Total	6	6	9	10	10	9	9	10
<b>Grains</b>								
Oilseeds	0	0	0	0	0	0	0	0
Food nec	27	25	27	33	46	52	54	44
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
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	9
Total	0	0	0	0	0	0	0	9
<b>Seafood</b>								
	399	380	434	476	523	535	651	593
<b>Dairy</b>								
Milk and cream processing	0	3	2	3	3	5	6	3
Ice cream	0	2	1	0	0	0	0	0
Other dairy products	0	0	1	1	1	1	1	1
Total	0	5	4	4	4	6	7	4
<b>Fruit and vegetables</b>								
	142	133	150	164	164	179	222	197
<b>Oil and fat</b>								
	125	135	135	158	173	230	311	237
<b>Flour mill and cereal food</b>								
Flour mill products	7	8	6	6	2	4	4	6
Cereal food and baking mix	63	83	117	120	85	130	195	188
Total	70	91	123	125	88	133	199	194
<b>Bakery products</b>								
Bread, cake and pastry	22	20	21	24	30	29	37	39
Biscuit	30	25	27	31	37	38	47	49
Total	52	45	48	55	66	67	84	88
<b>Other food</b>								
Sugar	5	3	2	3	4	4	9	48
Confectionery	21	20	18	18	23	30	33	42
Food nec	244	219	228	218	242	260	344	327
Total	269	242	248	240	269	295	386	417
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	6	7	7	10	12	17	16	21
Beer and malt	2	3	5	7	7	14	12	11
Wine	0	1	0	0	0	1	0	0
Spirit	0	0	0	0	1	5	7	2
Total	8	11	12	17	20	36	35	33
<b>Total food and beverage</b>								
Minimally transformed	34	32	37	45	59	64	64	57
Substantially transformed	1 036	1 015	1 128	1 207	1 269	1 437	1 846	1 721
Elaborately transformed	30	26	27	32	38	44	50	52
Total	1100	1073	1 193	1 283	1 366	1 545	1 961	1 829

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

## 6.4 Australian food imports from NAFTA member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	0	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0	0	0
<b>Horticulture</b>								
Vegetables	5	6	3	5	8	12	12	12
Fruit and nuts	35	46	60	61	67	90	102	111
Total	40	52	64	66	75	102	114	124
<b>Grains</b>								
Oilseeds	11	0	0	0	1	1	0	0
Food nec	21	19	5	3	28	5	4	5
Food nec	3	1	2	2	3	3	5	6
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	99	95	194	158	251	223	286	255
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	13	12	14	14	17	18	27	23
Total	112	107	207	172	268	242	312	278
<b>Seafood</b>								
Seafood	62	47	52	58	64	47	64	52
<b>Dairy</b>								
Milk and cream processing	0	0	1	1	2	3	1	1
Ice cream	1	2	2	3	3	3	4	5
Other dairy products	6	4	5	6	15	64	29	27
Total	8	7	8	10	20	70	33	32
<b>Fruit and vegetables</b>								
Fruit and vegetables	119	119	107	117	141	170	230	186
<b>Oil and fat</b>								
Oil and fat	5	21	17	22	13	7	18	7
<b>Flour mill and cereal food</b>								
Flour mill products	6	26	35	19	6	11	6	7
Cereal food and baking mix	18	25	7	10	14	23	53	55
Total	23	51	42	29	20	34	60	62
<b>Bakery products</b>								
Bread, cake and pastry	9	11	14	11	8	9	12	6
Biscuit	8	11	14	11	9	8	10	7
Total	17	22	28	22	17	17	22	13
<b>Other food</b>								
Sugar	2	2	2	2	2	2	4	3
Confectionery	16	14	19	18	20	21	49	48
Food nec	98	111	122	145	153	152	171	148
Total	115	126	142	165	176	176	224	199
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	39	13	12	12	12	15	37	31
Beer and malt	16	22	25	45	53	67	108	98
Wine	1	4	2	2	2	2	2	2
Spirit	115	123	142	153	164	167	172	165
Total	171	162	182	213	231	251	319	296
<b>Total food and beverage</b>								
Minimally transformed	74	73	71	72	107	111	124	134
Substantially transformed	621	647	770	793	937	1 001	1 267	1 112
Elaborately transformed	13	14	17	14	12	12	16	13
Total	708	734	857	879	1056	1 125	1 407	1 259

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



## Australian food imports

### 6.5 Australian food imports from EU member countries

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	0	0	0	0	0	0	0
Fish or shellfish	0	0	1	0	0	0	0	0
<b>Horticulture</b>								
Vegetables	1	1	1	1	1	2	2	4
Fruit and nuts	10	9	7	6	15	8	11	10
Total	11	10	8	7	16	9	14	14
<b>Grains</b>	53	0	0	0	0	0	0	0
<b>Oilseeds</b>	0	0	0	1	1	1	1	0
<b>Food nec</b>	3	3	4	4	4	3	4	4
<b>Substantially and elaborately transformed</b>								
<b>Meat</b>								
Meat processing	65	115	121	101	173	142	217	215
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	7	6	7	6	7	13	13	7
Total	72	121	128	107	181	156	230	222
<b>Seafood</b>	43	40	45	45	55	49	53	50
<b>Dairy</b>								
Milk and cream processing	1	1	1	1	2	1	2	1
Ice cream	2	3	6	6	13	7	9	9
Other dairy products	74	80	88	92	107	128	165	144
Total	77	84	95	99	122	137	176	154
<b>Fruit and vegetables</b>	205	225	223	220	251	282	323	288
<b>Oil and fat</b>	160	143	151	189	225	166	142	173
<b>Flour mill and cereal food</b>								
Flour mill products	7	6	10	10	8	11	9	12
Cereal food and baking mix	67	61	67	79	122	173	136	138
Total	75	67	76	89	130	184	145	149
<b>Bakery products</b>								
Bread, cake and pastry	27	30	24	33	43	48	52	50
Biscuit	52	60	55	64	78	78	77	75
Total	79	90	79	98	121	126	130	125
<b>Other food</b>								
Sugar	3	2	3	2	3	2	4	4
Confectionery	100	117	135	150	169	196	230	225
Food nec	222	203	238	260	317	317	355	318
Total	326	322	375	412	488	514	589	547
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	317	376	393	444	477	504	570	565
Beer and malt	56	60	58	50	56	69	85	79
Wine	83	98	112	130	168	219	217	201
Spirit	185	186	209	218	238	257	283	305
Total	642	720	773	842	938	1048	1155	1150
<b>Total food and beverage</b>								
Minimally transformed	67	14	13	12	21	14	18	19
Substantially transformed	1 613	1 728	1 875	2 014	2 397	2 529	2 796	2 714
Elaborately transformed	65	84	70	87	115	133	145	144
Total	1 745	1 826	1 958	2 113	2 533	2 675	2 960	2 877

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

## 6.6 Australian total food imports, by selected destination

	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m	\$m	\$m	\$m	\$m	\$m
Brazil	92	78	120	129	150	110
Canada	209	176	254	222	271	237
China	380	416	552	634	776	733
France	165	194	224	279	290	281
India	118	122	144	160	179	168
Indonesia	117	117	140	163	207	198
Ireland	402	468	510	536	559	586
Italy	328	364	427	438	498	467
Malaysia	227	250	279	361	468	402
Netherlands	109	137	169	184	227	201
New Zealand	1 218	1 359	1 472	1 734	1 746	1 877
Papua New Guinea	31	34	38	36	45	44
Singapore	174	164	127	160	207	196
Spain	129	144	194	174	154	187
Thailand	404	450	483	554	713	698
United Kingdom	288	272	298	299	318	334
United States	595	631	721	810	1 006	902
Vietnam	219	245	279	251	299	282

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

## 6.7 Australian food imports from selected countries

	New Zealand		United States		Thailand	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	1	0	0	0	0	0
Fish or shellfish	64	67	0	0	0	0
<b>Horticulture</b>						
Vegetables	9	11	8	7	3	2
Fruit and nuts	66	85	101	110	4	5
Total	75	96	109	117	7	7
<b>Grains</b>	0	0	0	0	0	0
<b>Oilseeds</b>	1	1	0	3	0	0
<b>Food nec</b>	1	1	2	1	1	0
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	10	24	136	122	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	22	38	26	23	0	9
Total	32	62	162	145	0	9
<b>Seafood</b>	146	148	50	38	368	322
<b>Dairy</b>						
Milk and cream processing	57	57	0	1	0	0
Ice cream	13	12	1	1	0	0
Other dairy products	297	315	28	26	0	0
Total	366	384	29	28	0	0
<b>Fruit and vegetables</b>	181	186	176	153	63	60
<b>Oil and fat</b>	5	7	14	5	10	12
<b>Flour mill and cereal food</b>						
Flour mill products	4	5	6	6	3	5
Cereal food and baking mix	69	84	52	53	139	137
Total	73	90	58	59	142	143
<b>Bakery products</b>						
Bread, cake and pastry	58	62	9	5	11	9
Biscuit	66	78	8	5	15	13
Total	124	140	18	10	26	22
<b>Other food</b>						
Sugar	1	1	4	3	3	36
Confectionery	91	86	29	25	3	5
Food nec	204	232	151	131	81	75
Total	297	319	184	159	87	116
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	77	74	29	23	2	2
Beer and malt	11	15	21	13	5	5
Wine	264	261	2	1	0	0
Spirit	28	27	151	146	2	0
Total	380	378	203	184	9	7
<b>Total food and beverage</b>						
Minimally transformed	141	165	112	121	8	8
Substantially transformed	1 502	1 601	884	773	690	677
Elaborately transformed	103	111	10	8	15	13
Total	1 746	1 877	1006	902	713	698

Continued

## 6.7 Australian food imports from selected countries *continued*

	Ireland		Italy		United Kingdom	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
<b>Horticulture</b>						
Vegetables	0	0	0	0	0	0
Fruit and nuts	0	0	9	8	0	0
Total	0	0	10	8	0	0
<b>Grains</b>	0	0	0	0	0	0
<b>Oilseeds</b>	0	0	0	0	0	0
Food nec	2	2	0	0	1	2
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	0	0	2	4	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	1	0	0	0
Total	0	0	3	5	0	0
<b>Seafood</b>	0	0	7	6	5	3
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	1	1	1	1	0
Other dairy products	4	5	35	33	3	5
Total	4	5	36	33	3	5
<b>Fruit and vegetables</b>	0	0	116	113	7	6
<b>Oil and fat</b>	0	0	43	46	0	0
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	1	1	2	6
Cereal food and baking mix	53	55	51	37	10	10
Total	53	55	51	38	12	16
<b>Bakery products</b>						
Bread, cake and pastry	0	0	16	16	11	10
Biscuit	0	0	9	11	25	23
Total	0	0	25	26	36	33
<b>Other food</b>						
Sugar	0	0	0	0	0	0
Confectionery	1	1	31	30	21	30
Food nec	11	12	77	72	50	47
Total	12	13	109	103	71	78
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	443	459	24	27	2	2
Beer and malt	7	11	15	11	2	2
Wine	0	0	49	41	0	1
Spirit	37	40	10	10	177	187
Total	487	510	98	89	182	192
<b>Total food and beverage</b>						
Minimally transformed	2	2	10	8	1	2
Substantially transformed	557	584	474	444	287	295
Elaborately transformed	0	0	14	15	29	37
Total	559	586	498	467	318	334

*Continued*

## 6.7 Australian food imports from selected countries *continued*

	Malaysia		Singapore		China	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
<b>Horticulture</b>						
Vegetables	0	0	0	0	13	18
Fruit and nuts	0	0	0	0	22	22
Total	0	0	0	0	35	40
<b>Grains</b>	0	0	0	0	1	1
<b>Oilseeds</b>	0	0	0	0	10	7
<b>Food nec</b>	1	0	0	0	15	17
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
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	1
Total	0	0	0	0	1	1
<b>Seafood</b>	65	63	5	4	152	173
<b>Dairy</b>						
Milk and cream processing	0	0	6	3	0	0
Ice cream	0	0	0	0	10	10
Other dairy products	1	1	0	0	0	0
Total	1	1	6	4	11	10
<b>Fruit and vegetables</b>	5	4	11	10	219	175
<b>Oil and fat</b>	271	204	24	16	6	7
<b>Flour mill and cereal food</b>						
Flour mill products	1	1	0	0	44	23
Cereal food and baking mix	22	18	11	10	32	24
Total	23	19	11	10	77	48
<b>Bakery products</b>						
Bread, cake and pastry	11	13	7	6	20	18
Biscuit	12	13	5	3	46	45
Total	23	26	11	9	65	63
<b>Other food</b>						
Sugar	5	10	1	2	10	10
Confectionery	2	4	23	25	54	58
Food nec	65	65	107	107	98	107
Total	72	79	130	134	162	175
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	6	7	2	4	7	7
Beer and malt	1	0	6	5	2	2
Wine	0	0	0	0	0	0
Spirit	0	0	0	0	13	8
Total	7	7	9	9	21	16
<b>Total food and beverage</b>						
Minimally transformed	1	1	0	0	61	66
Substantially transformed	455	386	201	192	667	620
Elaborately transformed	12	15	6	4	48	47
Total	468	402	207	196	776	733

*Continued*

## 6.7 Australian food imports from selected countries *continued*

	Indonesia		France		Spain	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	1	2	0	0	0	0
<b>Horticulture</b>						
Vegetables	0	0	0	0	1	2
Fruit and nuts	0	0	0	1	0	0
Total	0	0	1	1	1	3
<b>Grains</b>	0	0	0	0	0	0
<b>Oilseeds</b>	0	0	0	0	0	0
Food nec	25	20	0	0	0	0
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	0	0	0	0	3	3
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	1	1	0	0
Total	0	0	1	1	4	3
<b>Seafood</b>	32	37	1	1	2	2
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	0	0	0	1
Other dairy products	0	0	29	20	1	1
Total	0	0	30	21	1	2
<b>Fruit and vegetables</b>	15	12	22	23	32	30
<b>Oil and fat</b>	6	4	0	1	75	107
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	1	0	0	1
Cereal food and baking mix	18	16	5	13	4	4
Total	18	16	6	13	4	5
<b>Bakery products</b>						
Bread, cake and pastry	5	9	2	1	0	0
Biscuit	13	17	4	4	1	2
Total	18	25	6	5	1	3
<b>Other food</b>						
Sugar	0	1	1	1	1	0
Confectionery	4	4	20	21	8	8
Food nec	79	69	28	17	14	14
Total	83	74	48	39	23	22
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	4	6	7	5	0	0
Beer and malt	0	0	1	1	0	1
Wine	0	0	149	143	7	8
Spirit	5	1	19	27	2	1
Total	9	8	176	176	10	10
<b>Total food and beverage</b>						
Minimally transformed	26	22	1	1	2	3
Substantially transformed	167	159	285	275	150	181
Elaborately transformed	14	17	5	5	2	3
Total	207	198	290	281	154	187

*Continued*

## 6.7 Australian food imports from selected countries *continued*

	Canada		Viet Nam		Brazil	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
<b>Horticulture</b>						
Vegetables	1	0	0	0	0	0
Fruit and nuts	0	0	0	2	0	0
Total	1	0	0	2	0	0
<b>Grains</b>						
Oilseeds	3	2	0	0	0	0
Food nec	1	3	27	23	33	34
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	150	133	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	1	1
Total	151	133	0	0	1	1
<b>Seafood</b>						
Seafood	14	14	167	153	0	0
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	3	3	0	0	0	0
Other dairy products	1	1	0	0	0	0
Total	5	4	0	0	0	0
<b>Fruit and vegetables</b>						
Fruit and vegetables	42	24	87	82	50	43
<b>Oil and fat</b>						
Oil and fat	3	2	0	0	32	5
<b>Flour mill and cereal food</b>						
Flour mill products	0	1	0	0	0	0
Cereal food and baking mix	1	1	4	6	0	0
Total	1	2	4	6	0	0
<b>Bakery products</b>						
Bread, cake and pastry	0	1	2	2	0	0
Biscuit	0	2	2	2	0	1
Total	0	2	4	4	0	1
<b>Other food</b>						
Sugar	0	0	0	0	13	1
Confectionery	18	21	1	2	2	2
Food nec	17	13	8	8	12	15
Total	34	34	9	10	27	17
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	8	8	0	1	0	0
Beer and malt	1	2	0	0	0	0
Wine	0	0	0	0	0	0
Spirit	6	6	0	0	6	8
Total	16	16	1	1	7	9
<b>Total food and beverage</b>						
Minimally transformed	5	5	27	25	33	34
Substantially transformed	265	231	270	255	117	75
Elaborately transformed	1	2	2	2	0	1
Total	271	237	299	282	150	110

*Continued*

## 6.7 Australian food imports from selected countries *continued*

	Netherlands		India		Papua New Guinea	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	0	0
<b>Horticulture</b>						
Vegetables	1	1	0	0	0	0
Fruit and nuts	0	0	0	0	0	0
Total	1	1	0	0	0	0
<b>Grains</b>	0	0	0	0	0	0
Oilseeds	1	0	10	11	3	1
Food nec	1	0	16	16	36	37
<b>Substantially and elaborately transformed</b>						
<b>Meat</b>						
Meat processing	0	0	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	6	2	0	0	1	1
Total	6	2	0	0	1	1
<b>Seafood</b>	2	1	4	4	3	3
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	0	0	0	0
Other dairy products	17	13	3	3	0	0
Total	18	14	3	3	0	0
<b>Fruit and vegetables</b>	33	28	42	35	0	0
<b>Oil and fat</b>	6	5	4	3	0	0
<b>Flour mill and cereal food</b>						
Flour mill products	1	2	4	5	0	0
Cereal food and baking mix	2	2	28	28	0	0
Total	3	4	32	33	0	0
<b>Bakery products</b>						
Bread, cake and pastry	8	6	5	5	0	0
Biscuit	13	11	5	6	0	0
Total	21	17	10	11	0	0
<b>Other food</b>						
Sugar	1	2	0	0	0	0
Confectionery	13	11	2	3	0	0
Food nec	87	82	55	48	2	2
Total	101	95	57	51	2	2
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	2	2	0	0	0	0
Beer and malt	22	19	0	0	0	0
Wine	2	0	0	0	0	0
Spirit	10	13	0	0	1	1
Total	35	34	1	1	1	1
<b>Total food and beverage</b>						
Minimally transformed	2	1	27	28	38	38
Substantially transformed	210	187	147	134	6	6
Elaborately transformed	15	13	5	6	0	0
Total	227	201	179	168	45	44

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 <sup>a</sup>

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share <sup>b</sup> %
<b>Meat</b>						
Australia	5 236	5 351	5 495	6 060	5 206	6.0
Denmark	4 655	4 939	5 206	5 885	5 057	5.6
France	4 049	4 117	4 645	5 464	4 869	5.1
Netherlands	6 010	6 547	8 134	9 225	8 129	8.3
United States	6 700	7 313	9 141	12 614	11 585	10.4
Other	47 210	50 526	59 001	74 008	65 050	64.7
<b>Total</b>	<b>73 860</b>	<b>78 794</b>	<b>91 623</b>	<b>113 257</b>	<b>99 896</b>	<b>100.0</b>
<b>Dairy</b>						
Australia	1 859	1 829	2 021	2 233	1 675	3.5
France	5 378	5 574	6 893	7 833	6 647	11.9
Germany	6 795	6 993	9 050	9 944	8 042	15.0
Netherlands	4 648	4 856	5 936	7 045	5 571	10.3
New Zealand	3 665	4 046	5 550	6 589	5 065	9.2
Other	21 356	23 015	30 009	35 112	26 836	50.1
<b>Total</b>	<b>43 700</b>	<b>46 312</b>	<b>59 458</b>	<b>68 756</b>	<b>53 836</b>	<b>100.0</b>
<b>Seafood</b>						
Australia	77	72	75	76	55	0.4
China	3 177	4 216	4 490	4 917	3 419	22.6
Denmark	634	699	793	865	731	4.2
Korea, Rep. of	184	153	118	138	154	0.8
Thailand	2 497	2 994	3 168	3 875	3 719	18.2
Other	7 961	8 870	9 997	11 390	9 813	53.8
<b>Total</b>	<b>14 530</b>	<b>17 003</b>	<b>18 640</b>	<b>21 260</b>	<b>17 891</b>	<b>100.0</b>
<b>Horticulture</b>						
Australia	186	190	205	196	174	0.4
China	3 857	4 681	6 484	6 926	5 898	12.3
Italy	2 315	2 459	3 021	3 695	3 441	6.6
Netherlands	2 691	3 148	4 243	4 609	4 394	8.4
United States	2 710	3 042	3 416	4 059	3 908	7.6
Other	22 875	26 325	31 758	35 372	25 633	62.7
<b>Total</b>	<b>34 634</b>	<b>39 844</b>	<b>49 127</b>	<b>54 857</b>	<b>47 929</b>	<b>100.0</b>
<b>Beverages <sup>c</sup></b>						
Australia	2 201	2 184	2 570	2 230	1 931	3.2
France	11 406	13 023	14 964	16 070	12 775	19.6
Germany	3 626	4 234	4 962	5 592	5 091	6.7
Italy	5 066	5 444	6 452	7 127	6 468	8.8
United Kingdom	6 360	6 858	8 193	8 428	7 658	10.8
Other	27 733	31 557	38 272	43 286	36 785	51.0
<b>Total</b>	<b>56 393</b>	<b>63 299</b>	<b>75 413</b>	<b>82 733</b>	<b>70 708</b>	<b>100.0</b>
<b>Sugar and confectionery</b>						
Australia	306	326	341	372	392	0.8
Belgium-Luxembourg	2 908	3 378	3 372	3 722	3 417	7.3
Brazil	4 275	6 513	5 433	5 874	8 753	13.4
France	2 583	2 888	3 112	3 305	3 171	6.6
Germany	3 562	3 935	4 473	5 205	5 142	9.7
Other	22 654	26 583	30 164	33 506	27 450	61.1
<b>Total</b>	<b>36 287</b>	<b>43 624</b>	<b>46 896</b>	<b>51 985</b>	<b>50 818</b>	<b>100.0</b>

*Continued*

## 7.1 Value of world trade in processed food, major exporting countries <sup>a</sup>

*continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Argentina	3 307	3 896	5 517	7 087	4 506	7.8
Australia	292	305	420	624	455	0.7
Malaysia	6 701	7 729	11 801	17 759	12 823	18.3
Netherlands	2 345	2 932	3 974	6 725	4 851	6.7
United States	1 960	2 211	3 202	4 879	3 650	5.1
Other	25 723	29 608	38 941	56 061	39 689	61.3
Total	40 327	46 680	63 855	93 135	65 975	100.0
<b>Animal feed <sup>d</sup></b>						
Argentina	4 032	4 660	6 197	7 796	8 624	14.9
Australia	584	642	624	943	991	1.8
Brazil	2 998	2 590	3 191	4 687	4 880	8.8
Netherlands	2 940	3 142	3 757	4 982	4 320	9.1
United States	4 203	4 701	5 720	7 897	8 039	14.6
Other	15 146	17 197	21 760	28 074	24 317	50.8
Total	29 904	32 931	41 248	54 379	51 171	100.0
<b>Cereal products</b>						
Australia	448	468	577	749	665	1.6
Belgium–Luxembourg	2 305	2 442	2 994	3 731	3 205	8.0
France	2 609	2 724	3 255	3 871	3 475	8.7
Germany	3 210	3 630	4 228	5 426	4 857	11.7
Italy	2 791	2 947	3 259	4 322	3 863	9.4
Other	16 709	18 437	22 752	27 861	22 690	59.4
Total	28 071	30 647	37 066	45 960	40 817	100.0
<b>Other processed food</b>						
Australia	330	328	349	480	502	0.6
Brazil	3 330	3 854	4 568	5 612	4 953	6.3
France	2 351	2 514	3 074	3 642	3 446	4.3
Netherlands	3 199	3 363	4 052	4 836	5 000	5.8
United States	4 752	5 347	5 567	6 346	6 287	8.0
Other	40 787	46 246	55 156	65 242	57 432	75.0
Total	54 749	61 652	72 766	86 158	77 619	100.0
<b>All processed food</b>						
Australia	11 518	11 693	12 678	13 963	12 044	2.3
France	32 820	35 872	41 968	47 277	40 682	7.4
Germany	34 731	38 582	45 541	55 430	50 036	8.4
Netherlands	27 645	30 844	38 388	46 231	40 460	6.9
United States	27 523	31 062	37 801	47 853	44 072	7.0
Other	278 216	312 732	379 717	461 726	389 365	68.0
Total	412 454	460 786	556 092	672 480	576 660	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Alcoholic and nonalcoholic. <sup>d</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: United Nations Statistics Division; ABARES.

## World food exports

# 7.2 Value of food exports, European Union

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share b %
<b>Minimally transformed</b>						
Live animals except fish	7 740	8 392	8 999	10 162	10 068	2.5
<b>Fish or shellfish</b>						
Fish, live or fresh	9 225	10 171	11 025	11 862	10 920	2.9
Fish, dried, salted or smoked	1 236	1 462	1 699	1 782	1 612	0.4
Shellfish	3 483	3 895	4 386	4 389	3 801	1.1
<b>Horticulture</b>						
Vegetables	15 954	17 795	21 174	23 337	20 508	5.5
Fruit and nuts	17 930	19 102	22 505	25 681	22 089	5.9
<b>Cocoa</b>	2 883	2 856	3 465	4 284	4 632	1.0
<b>Eggs, albumin</b>	1 503	1 683	2 181	2 721	2 709	0.6
<b>Grains and oilseeds</b>						
Barley	1 906	1 638	3 195	3 454	2 111	0.7
Maize	2 520	2 502	3 701	4 704	3 174	0.9
Oilseeds, not soft oil	378	370	608	936	689	0.2
Oilseeds, soft oil	2 356	2 654	3 916	6 396	4 229	1.1
Rice	1 006	1 051	1 300	1 860	1 707	0.4
Wheat or meslin	4 959	5 914	7 651	13 659	9 536	2.3
Other cereal grains, nec	535	511	607	831	582	0.2
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	8 288	9 629	10 648	12 781	11 489	2.9
Meat, fresh, chilled or frozen	20 891	22 061	25 518	31 140	26 780	7.0
Meat or offal, preserved	2 183	2 561	3 120	3 572	3 017	0.8
Meat or offal, preserved, nec	5 828	6 425	7 709	9 207	8 291	2.1
<b>Dairy</b>						
Milk products, excluding butter and cheese	14 484	15 034	20 395	21 924	17 591	4.9
Butter and cheese	3 045	2 851	3 697	3 767	3 121	0.9
Cheese and curd	13 872	15 026	17 790	21 326	17 880	4.7
<b>Fish or shellfish</b>	3 536	3 950	4 708	5 347	4 676	1.2
<b>Cereal products</b>						
Flour or meal from wheat or meslin	973	1 009	1 313	1 898	1 364	0.4
Cereal flour or meal, nec	184	211	276	355	322	0.1
Cereal etc, flour or starch	16 410	17 841	21 005	25 776	23 021	5.7
<b>Horticulture</b>						
Vegetables, prepared or preserved	8 701	9 689	11 858	13 332	12 325	3.1
Fruit, prepared or preserved	4 083	4 577	5 697	6 408	5 530	1.5
Fruit or vegetable juices	4 196	5 170	6 361	7 261	5 883	1.6
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	6 063	7 126	6 590	7 224	6 786	1.9
Sugar confectionery	3 134	3 207	3 831	4 271	3 808	1.0
Chocolate and cocoa preparations	8 473	9 641	11 858	13 358	12 213	3.1

Continued

## 7.2 Value of food exports, European Union *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	1 508	1 724	2 184	2 980	2 611	0.6
Animal oil or fat	1 115	1 229	1 452	2 365	1 715	0.4
Vegetable oil or fat, fixed, soft	7 741	8 843	9 994	13 905	10 434	2.8
Vegetable oils, fixed, not soft	1 440	1 676	2 208	3 372	2 514	0.6
Animal or vegetable oils, processed	2 078	2 247	2 711	4 070	2 839	0.8
<b>Other food</b>						
Coffee and coffee substitutes	4 521	5 300	6 477	7 993	7 057	1.7
Tea and mate	777	929	1 083	1 319	1 154	0.3
Spices	653	725	874	1 043	939	0.2
Edible products, nec	17 688	19 352	23 352	27 061	24 796	6.2
<b>Beverage</b>						
Beverages, nonalcoholic, nec	7 414	8 817	10 107	10 867	9 342	2.6
Alcoholic beverages	32 896	36 576	43 964	47 391	40 253	11.1
<b>Animal feed b</b>	11 610	12 732	15 597	19 793	17 445	4.3
<b>Total</b>	287 400	316 155	378 792	447 163	383 565	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division; ABARES.

## World food exports

### 7.3 Value of food exports, NAFTA

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	2 459	3 186	3 490	3 368	2 630	2.4
<b>Fish or shellfish</b>						
Fish, live or fresh	4 121	4 254	4 255	4 186	3 775	3.2
Fish, dried, salted or smoked	272	242	241	250	220	0.2
Shellfish	2 958	3 079	3 298	3 264	3 098	2.4
<b>Horticulture</b>						
Vegetables	7 141	7 957	8 821	10 257	10 000	6.9
Fruit and nuts	7 839	8 397	9 376	10 469	10 814	7.3
<b>Cocoa</b>	257	262	293	305	278	0.2
<b>Eggs, albumin</b>	287	294	360	365	410	0.3
<b>Grains and oilseeds</b>						
Barley	379	294	612	884	423	0.4
Maize	5 102	7 386	10 302	14 177	9 271	7.2
Oilseeds, not soft oil	630	608	796	1 122	823	0.6
Oilseeds, soft oil	8 219	9 452	13 565	21 079	21 305	11.4
Rice	1 295	1 289	1 405	2 227	2 198	1.3
Wheat or meslin	6 684	7 534	12 877	18 493	10 947	8.8
Other cereal grains, nec	825	1 032	1 668	2 065	1 172	1.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	2 421	2 666	3 095	3 986	3 663	2.5
Meat, fresh, chilled or frozen	7 536	7 394	8 868	11 941	10 559	7.2
Meat or offal, preserved	285	302	260	273	321	0.2
Meat or offal, preserved, nec	907	999	1 126	1 219	1 258	0.9
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 139	1 312	2 017	2 462	1 373	1.3
Butter and cheese	65	50	144	278	87	0.1
Cheese and curd	268	324	471	664	512	0.3
<b>Fish or shellfish</b>	941	980	915	976	835	0.7
<b>Cereal products</b>						
Flour or meal from wheat or meslin	164	176	280	370	302	0.2
Cereal flour or meal, nec	165	202	292	337	308	0.2
Cereal etc, flour or starch	3 997	4 612	5 323	5 734	5 804	4.0
<b>Horticulture</b>						
Vegetables, prepared or preserved	2 394	2 517	2 788	3 174	3 129	2.2
Fruit, prepared or preserved	1 141	1 391	1 607	1 901	1 748	1.2
Fruit or vegetable juices	1 001	1 118	1 317	1 484	1 370	1.0
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 020	1 566	1 636	1 968	1 887	1.3
Sugar confectionery	1 111	1 153	1 232	1 305	1 279	0.9
Chocolate and cocoa preparations	1 444	1 542	1 688	1 971	1 994	1.3

Continued

## 7.3 Value of food exports, NAFTA *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	169	187	322	445	435	0.2
Animal oil or fat	653	718	1 078	1 475	938	0.8
Vegetable oil or fat, fixed, soft	1 375	1 782	2 579	4 266	3 258	2.1
Vegetable oils, fixed, not soft	335	339	337	532	353	0.3
Animal or vegetable oils, processed	408	403	504	735	579	0.4
<b>Other food</b>						
Coffee and coffee substitutes	975	1 174	1 302	1 410	1 444	1.0
Tea and mate	198	214	253	280	301	0.2
Spices	122	129	135	159	159	0.1
Edible products, nec	5 834	6 473	6 703	7 514	7 297	5.3
<b>Beverage</b>						
Beverages, nonalcoholic, nec	998	1 083	1 152	1 307	1 323	0.9
Alcoholic beverages	4 478	5 274	5 659	5 814	5 473	4.2
<b>Animal feed b</b>	4 967	5 541	6 687	9 078	9 149	5.5
<b>Total</b>	94 980	106 890	131 130	165 569	144 501	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division.

## World food exports

### 7.4 Value of food exports, APEC <sup>a</sup>

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share b %
<b>Minimally transformed</b>						
Live animals except fish	3 764	4 501	5 015	5 288	4 448	1.6
<b>Fish or shellfish</b>						
Fish, live or fresh	13 560	15 299	16 319	17 732	17 918	5.6
Fish, dried, salted or smoked	1 013	1 013	1 063	1 132	1 058	0.4
Shellfish	10 725	11 091	11 563	11 950	12 438	4.0
<b>Horticulture</b>						
Vegetables	11 619	13 386	14 804	16 609	17 087	5.1
Fruit and nuts	14 899	16 007	18 444	21 372	21 806	6.5
<b>Cocoa</b>	1 633	1 887	2 236	2 956	2 958	0.8
<b>Eggs, albumin</b>	455	471	589	667	701	0.2
<b>Grains and oilseeds</b>						
Barley	1 149	1 153	1 499	2 277	1 468	0.5
Maize	6 338	7 997	11 441	14 733	9 970	3.5
Oilseeds, not soft oil	767	767	990	1 348	1 017	0.3
Oilseeds, soft oil	9 354	10 391	14 486	22 461	22 762	5.6
Rice	5 335	5 764	7 014	11 838	9 818	2.8
Wheat or meslin	10 131	11 611	18 613	24 606	17 441	5.8
Other cereal grains, nec	937	1 162	1 866	2 280	1 325	0.5
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	7 372	7 619	8 145	9 746	8 434	2.9
Meat, fresh, chilled or frozen	12 707	12 672	14 892	19 142	17 564	5.4
Meat or offal, preserved	318	345	300	345	381	0.1
Meat or offal, preserved, nec	3 282	3 547	4 021	4 695	4 574	1.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	5 580	6 150	8 460	10 108	6 842	2.6
Butter and cheese	913	933	1 248	1 746	1 264	0.4
Cheese and curd	1 753	1 850	2 316	2 720	2 037	0.7
<b>Fish or shellfish</b>	8 602	10 438	11 132	12 861	10 764	3.8
<b>Cereal products</b>						
Flour or meal from wheat or meslin	523	539	823	979	736	0.3
Cereal flour or meal, nec	267	315	410	494	442	0.1
Cereal etc, flour or starch	6 152	7 023	8 297	9 445	9 327	2.8
<b>Horticulture</b>						
Vegetables, prepared or preserved	5 572	6 315	7 433	8 155	7 775	2.5
Fruit, prepared or preserved	3 848	4 549	5 389	6 611	5 718	1.8
Fruit or vegetable juices	2 153	2 536	3 440	3 687	3 010	1.0
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	2 757	3 568	4 373	4 968	5 355	1.5
Sugar confectionery	2 150	2 322	2 569	2 837	2 726	0.9
Chocolate and cocoa preparations	2 269	2 426	2 782	3 234	3 149	1.0

*Continued*

## 7.4 Value of food exports, APEC <sup>a</sup> *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	667	756	1 150	2 043	1 413	0.4
Animal oil or fat	1 126	1 259	1 805	2 585	1 704	0.6
Vegetable oil or fat, fixed, soft	2 041	2 803	3 660	6 081	4 706	1.3
Vegetable oils, fixed, not soft	10 810	12 543	19 946	30 731	23 120	6.8
Animal or vegetable oils, processed	2 615	2 991	4 289	5 575	3 874	1.3
<b>Other food</b>						
Coffee and coffee substitutes	3 066	4 114	5 004	6 108	5 576	1.7
Tea and mate	1 055	1 183	1 326	1 542	1 558	0.5
Spices	1 186	1 254	1 565	1 821	1 709	0.5
Edible products, nec	11 644	12 869	14 105	16 433	16 685	5.0
<b>Beverage</b>						
Beverages, nonalcoholic, nec	1 998	2 124	2 415	2 711	2 783	0.8
Alcoholic beverages	9 855	11 260	13 171	13 762	12 810	4.2
<b>Animal feed <sup>c</sup></b>	9 011	9 979	12 296	16 260	16 248	4.4
<b>Total</b>	212 971	238 777	292 706	364 677	324 497	100.0

<sup>a</sup> Not including Chinese Taipei. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: United Nations Statistics Division; ABARES.



## World food exports

### 7.5 Value of food exports, ASEAN <sup>a</sup>

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	168	164	211	284	326	0.4
<b>Fish or shellfish</b>						
Fish, live or fresh	2 019	2 471	3 040	4 000	3 307	4.5
Fish, dried, salted or smoked	205	236	260	274	248	0.4
Shellfish	4 761	5 156	5 352	5 443	5 068	7.9
<b>Horticulture</b>						
Vegetables	853	1 080	1 266	1 206	1 334	1.8
Fruit and nuts	1 845	1 914	2 248	2 709	2 353	3.4
<b>Cocoa</b>	1 273	1 518	1 815	2 459	2 548	2.9
<b>Eggs, albumin</b>	66	69	102	132	128	0.2
<b>Grains and oilseeds</b>						
Barley	0	0	0	0	0	0.0
Maize	39	77	124	255	262	0.2
Oilseeds, not soft oil	77	91	92	87	70	0.1
Oilseeds, soft oil	76	44	76	67	61	0.1
Rice	3 769	3 879	4 989	9 017	6 952	8.8
Wheat or meslin	3	4	17	19	7	0.0
Other cereal grains, nec	10	11	20	21	16	0.0
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	9	12	15	22	25	0.0
Meat, fresh, chilled or frozen	107	106	169	204	188	0.2
Meat or offal, preserved	3	4	5	8	8	0.0
Meat or offal, preserved, nec	902	1 026	1 230	1 862	1 732	2.1
<b>Dairy</b>						
Milk products, excluding butter and cheese	724	742	898	1 203	715	1.3
Butter and cheese	13	22	37	43	28	0.0
Cheese and curd	6	9	10	14	16	0.0
<b>Fish or shellfish</b>	3 352	4 012	4 364	5 501	5 186	6.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	70	63	71	106	78	0.1
Cereal flour or meal, nec	61	65	75	97	97	0.1
Cereal etc, flour or starch	742	811	943	1 196	1 194	1.5
<b>Horticulture</b>						
Vegetables, prepared or preserved	386	455	488	559	506	0.7
Fruit, prepared or preserved	1 079	1 223	1 295	1 635	1 392	2.0
Fruit or vegetable juices	342	409	408	484	511	0.7
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 066	1 138	1 741	1 974	2 335	2.5
Sugar confectionery	290	351	444	523	507	0.6
Chocolate and cocoa preparations	215	258	316	403	385	0.5

*Continued*

## 7.5 Value of food exports, ASEAN <sup>a</sup> *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	350	407	603	1 327	742	1.0
Animal oil or fat	23	18	28	57	38	0.1
Vegetable oil or fat, fixed, soft	193	224	292	368	297	0.4
Vegetable oils, fixed, not soft	10 401	12 142	19 533	30 108	22 695	28.8
Animal or vegetable oils, processed	2 067	2 436	3 588	4 595	3 094	4.8
<b>Other food</b>						
Coffee and coffee substitutes	1 590	2 184	2 972	3 639	3 119	4.1
Tea and mate	255	277	298	374	359	0.5
Spices	498	598	847	905	775	1.1
Edible products, nec	2 059	2 330	2 706	3 525	3 814	4.4
<b>Beverage</b>						
Beverages, nonalcoholic, nec	285	322	419	520	549	0.6
Alcoholic beverages	988	1 274	1 694	2 042	1 860	2.4
<b>Animal feed <sup>c</sup></b>	933	1 128	1 580	1 886	1 488	2.1
<b>Total</b>	44 174	50 763	66 679	91 157	76 413	100.0

<sup>a</sup> No data available for Laos and Myanmar. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
 Source: United Nations Statistics Division; ABARES.

## World food exports

# 7.6 Value of food exports, United States <sup>a</sup>

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Minimally transformed</b>						
Live animals except fish	671	755	749	860	797	0.9
<b>Fish or shellfish</b>						
Fish, live or fresh	2 774	2 861	2 896	2 784	2 508	3.3
Fish, dried, salted or smoked	73	64	60	61	56	0.1
Shellfish	821	916	909	954	962	1.1
<b>Horticulture</b>						
Vegetables	2 312	2 574	2 892	3 358	3 287	3.5
Fruit and nuts	6 279	6 702	7 263	8 372	8 543	8.9
<b>Cocoa</b>	216	216	238	251	227	0.3
<b>Eggs, albumin</b>	228	235	293	298	347	0.3
<b>Grains and oilseeds</b>						
Barley	89	57	161	194	36	0.1
Maize	5 039	7 300	10 100	13 884	9 086	10.9
Oilseeds, not soft oil	406	405	498	651	534	0.6
Oilseeds, soft oil	6 713	7 384	10 621	16 283	17 094	13.9
Rice	1 291	1 285	1 396	2 214	2 186	2.0
Wheat or meslin	4 382	4 230	8 345	11 306	5 380	8.0
Other cereal grains, nec	564	654	1 118	1 350	731	1.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	848	1 429	1 897	2 697	2 485	2.2
Meat, fresh, chilled or frozen	5 037	4 970	6 245	8 807	7 851	7.9
Meat or offal, preserved	159	183	133	145	209	0.2
Meat or offal, preserved, nec	657	730	866	966	1 040	1.0
<b>Dairy</b>						
Milk products, excluding butter and cheese	939	1 084	1 764	2 205	1 148	1.7
Butter and cheese	24	21	118	274	83	0.1
Cheese and curd	204	249	395	578	437	0.4
<b>Fish or shellfish</b>	421	428	435	487	480	0.5
<b>Cereal products</b>						
Flour or meal from wheat or meslin	59	64	142	153	143	0.1
Cereal flour or meal, nec	93	130	192	200	181	0.2
Cereal etc, flour or starch	1 876	2 160	2 520	2 537	2 655	2.8
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 273	1 362	1 543	1 894	1 841	1.9
Fruit, prepared or preserved	666	785	876	1 085	1 043	1.1
Fruit or vegetable juices	772	895	996	1 080	1 024	1.1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	545	760	1 086	946	845	1.0
Sugar confectionery	294	297	326	378	393	0.4
Chocolate and cocoa preparations	607	680	775	932	935	0.9

*Continued*

## 7.6 Value of food exports, United States <sup>a</sup> *continued*

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Animal and vegetable oil</b>						
Margarine and shortening	125	136	234	312	310	0.3
Animal oil or fat	495	530	863	1 162	729	0.9
Vegetable oil or fat, fixed, soft	764	942	1 408	2 317	1 792	1.7
Vegetable oils, fixed, not soft	285	295	283	473	315	0.4
Animal or vegetable oils, processed	290	307	414	615	504	0.5
<b>Other food</b>						
Coffee and coffee substitutes	497	607	665	752	742	0.8
Tea and mate	83	119	156	193	194	0.2
Spices	68	71	78	89	90	0.1
Edible products, nec	4 104	4 550	4 668	5 312	5 261	5.7
<b>Beverage</b>						
Beverages, nonalcoholic, nec	482	558	651	829	897	0.8
Alcoholic beverages	1 653	2 018	2 352	2 539	2 407	2.6
<b>Animal feed <sup>c</sup></b>	4 203	4 701	5 720	7 897	8 039	7.3
<b>Total</b>	59 380	66 699	85 341	110 672	95 847	100.0

<sup>a</sup> Includes Puerto Rico and the US Virgin Islands. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
 Source: United Nations Statistics Division.

## World food exports

### 7.7 Value of food exports, France

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	2 138	2 207	2 274	2 312	2 284	4.0
<b>Fish or shellfish</b>						
Fish, live or fresh	832	849	930	1 052	788	1.6
Fish, dried, salted or smoked	59	62	81	89	85	0.1
Shellfish	376	406	481	445	369	0.7
<b>Horticulture</b>						
Vegetables	1 766	1 929	2 366	2 385	2 108	3.8
Fruit and nuts	1 766	1 824	2 015	2 106	1 794	3.4
<b>Cocoa</b>	408	473	546	659	671	1.0
<b>Eggs, albumin</b>	203	225	276	333	305	0.5
<b>Grains and oilseeds</b>						
Barley	796	656	1 187	1 506	1 048	1.9
Maize	1 495	1 321	1 523	2 325	1 852	3.1
Oilseeds, not soft oil	19	14	14	21	19	0.0
Oilseeds, soft oil	603	750	930	1 580	867	1.7
Rice	60	60	62	89	75	0.1
Wheat or meslin	2 405	2 694	3 522	5 624	3 758	6.5
Other cereal grains, nec	57	68	62	94	65	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	992	1 127	1 241	1 455	1 347	2.2
Meat, fresh, chilled or frozen	2 383	2 272	2 580	3 091	2 637	4.7
Meat or offal, preserved	116	117	130	156	131	0.2
Meat or offal, preserved, nec	557	601	694	763	754	1.2
<b>Dairy</b>						
Milk products, excluding butter and cheese	2 354	2 474	3 297	3 618	2 879	5.3
Butter and cheese	275	230	296	349	290	0.5
Cheese and curd	2 749	2 870	3 299	3 867	3 478	5.8
<b>Fish or shellfish</b>	261	280	360	355	284	0.6
<b>Cereal products</b>						
Flour or meal from wheat or meslin	208	230	314	455	324	0.6
Cereal flour or meal, nec	60	63	74	94	84	0.1
Cereal etc, flour or starch	2 341	2 431	2 866	3 322	3 067	5.0
<b>Horticulture</b>						
Vegetables, prepared or preserved	879	992	1 183	1 168	1 090	1.9
Fruit, prepared or preserved	352	385	469	522	494	0.8
Fruit or vegetable juices	156	200	239	282	232	0.4
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 461	1 677	1 639	1 697	1 687	2.9
Sugar confectionery	243	224	242	246	214	0.4
Chocolate and cocoa preparations	879	987	1 231	1 362	1 270	2.1

*Continued*

## 7.7 Value of food exports, France *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	44	49	60	73	55	0.1
Animal oil or fat	173	194	256	380	267	0.5
Vegetable oil or fat, fixed, soft	598	707	787	1 122	895	1.5
Vegetable oils, fixed, not soft	45	62	76	109	85	0.1
Animal or vegetable oils, processed	81	91	116	146	95	0.2
<b>Other food</b>						
Coffee and coffee substitutes	245	260	303	418	473	0.6
Tea and mate	42	45	50	58	56	0.1
Spices	91	108	109	112	106	0.2
Edible products, nec	1 973	2 101	2 612	3 054	2 811	4.5
<b>Beverage</b>						
Beverages, nonalcoholic, nec	1 373	1 649	1 682	1 792	1 538	2.9
Alcoholic beverages	10 033	11 375	13 282	14 278	11 237	21.6
<b>Animal feed b</b>	1 856	2 074	2 478	2 935	2 801	4.4
<b>Total</b>	45 805	49 414	58 238	67 899	56 770	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division.

## 7.8 Value of food exports, Netherlands

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	1 176	1 392	1 545	2 045	2 128	3.1
<b>Fish or shellfish</b>						
Fish, live or fresh	1 347	1 386	1 594	1 675	1 385	2.8
Fish, dried, salted or smoked	55	61	68	75	72	0.1
Shellfish	461	513	591	611	610	1.0
<b>Horticulture</b>						
Vegetables	4 248	5 052	6 085	6 587	5 900	10.5
Fruit and nuts	2 363	2 590	3 207	3 924	3 490	5.8
<b>Cocoa</b>	1 629	1 578	1 887	2 407	2 570	3.8
<b>Eggs, albumin</b>	514	590	796	974	1 090	1.5
<b>Grains and oilseeds</b>						
Barley	73	36	89	85	28	0.1
Maize	51	59	74	140	88	0.2
Oilseeds, not soft oil	98	106	186	377	236	0.4
Oilseeds, soft oil	443	452	611	838	851	1.2
Rice	82	84	113	195	157	0.2
Wheat or meslin	42	44	115	231	163	0.2
Other cereal grains, nec	27	23	69	91	62	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 924	2 130	2 522	2 799	2 612	4.5
Meat, fresh, chilled or frozen	3 095	3 351	4 236	4 754	4 126	7.3
Meat or offal, preserved	490	542	734	814	655	1.2
Meat or offal, preserved, nec	502	524	642	858	735	1.2
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 682	1 740	2 290	2 571	2 207	3.9
Butter and cheese	585	543	610	715	625	1.2
Cheese and curd	2 381	2 573	3 036	3 758	2 739	5.4
<b>Fish or shellfish</b>	353	410	444	486	550	0.8
<b>Cereal products</b>						
Flour or meal from wheat or meslin	64	79	56	87	63	0.1
Cereal flour or meal, nec	7	9	12	21	21	0.0
Cereal etc, flour or starch	961	1 157	1 352	1 513	1 477	2.4
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 654	1 830	2 416	2 592	2 470	4.1
Fruit, prepared or preserved	409	481	695	794	765	1.2
Fruit or vegetable juices	628	836	1 132	1 223	1 158	1.9
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	509	574	736	695	617	1.2
Sugar confectionery	299	297	404	407	399	0.7
Chocolate and cocoa preparations	907	996	1 258	1 378	1 275	2.2

*Continued*

## 7.8 Value of food exports, Netherlands *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	298	339	420	542	653	0.8
Animal oil or fat	112	122	143	249	189	0.3
Vegetable oil or fat, fixed, soft	787	964	1 294	2 586	1 672	2.7
Vegetable oils, fixed, not soft	658	892	1 277	2 068	1 444	2.4
Animal or vegetable oils, processed	489	615	840	1 281	893	1.5
<b>Other food</b>						
Coffee and coffee substitutes	264	295	348	320	290	0.6
Tea and mate	72	93	97	197	240	0.3
Spices	127	142	202	225	224	0.3
Edible products, nec	2 736	2 833	3 405	4 095	4 247	6.5
<b>Beverage</b>						
Beverages, nonalcoholic, nec	706	939	1 396	1 411	1 285	2.2
Alcoholic beverages	2 006	2 397	2 633	2 812	2 510	4.6
<b>Animal feed b</b>	2 940	3 142	3 757	4 982	4 320	7.2
<b>Total</b>	40 252	44 811	55 418	66 485	59 291	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division.



## World food exports

# 7.9 Value of food exports, Germany

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	1 006	993	975	1 052	1 200	2.0
<b>Fish or shellfish</b>						
Fish, live or fresh	700	832	776	848	825	1.5
Fish, dried, salted or smoked	98	130	149	148	193	0.3
Shellfish	119	133	154	139	116	0.3
<b>Horticulture</b>						
Vegetables	770	895	1 049	1 317	1 050	1.9
Fruit and nuts	1 061	1 271	1 427	1 592	1 326	2.5
<b>Cocoa</b>	170	219	258	367	517	0.6
<b>Eggs, albumin</b>	219	227	237	309	310	0.5
<b>Grains and oilseeds</b>						
Barley	428	312	665	484	209	0.8
Maize	184	193	213	252	200	0.4
Oilseeds, not soft oil	15	13	19	27	25	0.0
Oilseeds, soft oil	144	187	264	442	265	0.5
Rice	51	51	58	100	86	0.1
Wheat or meslin	766	1 041	1 165	2 516	2 198	2.9
Other cereal grains, nec	211	225	158	163	126	0.3
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 472	1 770	1 661	2 140	1 960	3.4
Meat, fresh, chilled or frozen	3 048	3 448	4 054	5 557	5 571	8.2
Meat or offal, preserved	191	338	395	422	364	0.7
Meat or offal, preserved, nec	1 276	1 481	1 761	2 196	2 098	3.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	3 877	3 700	4 923	5 095	4 098	8.2
Butter and cheese	283	268	406	455	340	0.7
Cheese and curd	2 635	3 025	3 721	4 393	3 604	6.6
<b>Fish or shellfish</b>	539	599	773	920	752	1.4
<b>Cereal products</b>						
Flour or meal from wheat or meslin	160	177	222	322	243	0.4
Cereal flour or meal, nec	24	30	31	39	36	0.1
Cereal etc, flour or starch	3 026	3 423	3 975	5 066	4 577	7.6
<b>Horticulture</b>						
Vegetables, prepared or preserved	776	913	1 010	1 183	1 102	1.9
Fruit, prepared or preserved	704	738	822	951	873	1.6
Fruit or vegetable juices	753	841	984	1 170	963	1.8
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 065	1 063	1 010	1 090	1 200	2.1
Sugar confectionery	597	638	746	899	812	1.4
Chocolate and cocoa preparations	1 900	2 234	2 717	3 217	3 130	5.0

*Continued*

## 7.9 Value of food exports, Germany *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	142	206	265	352	305	0.5
Animal oil or fat	199	223	247	472	351	0.6
Vegetable oil or fat, fixed, soft	664	657	614	1 300	854	1.6
Vegetable oils, fixed, not soft	238	211	247	350	273	0.5
Animal or vegetable oils, processed	570	611	731	865	717	1.3
<b>Other food</b>						
Coffee and coffee substitutes	1 670	1 931	2 354	2 651	2 519	4.2
Tea and mate	176	207	246	290	251	0.4
Spices	126	146	159	204	178	0.3
Edible products, nec	2 941	3 263	3 898	4 712	4 418	7.3
<b>Beverage</b>						
Beverages, nonalcoholic, nec	1 070	1 384	1 547	1 820	1 594	2.8
Alcoholic beverages	2 556	2 849	3 415	3 772	3 497	6.1
<b>Animal feed b</b>	2 052	2 207	2 606	3 526	3 355	5.2
<b>Total</b>	40 673	45 305	53 107	65 185	58 683	100.0

**a** Average, 2005–2009. **b** Excludes unmilled cereal. **p** Preliminary.  
*Source:* United Nations Statistics Division.

# 7.10 Value of food exports, Belgium–Luxembourg

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	412	368	377	534	537	1.4
<b>Fish or shellfish</b>						
Fish, live or fresh	404	437	447	464	406	1.3
Fish, dried, salted or smoked	15	15	19	21	19	0.1
Shellfish	346	453	466	504	390	1.3
<b>Horticulture</b>						
Vegetables	1 783	1 960	2 295	2 518	2 273	6.6
Fruit and nuts	2 777	2 731	3 089	3 507	3 108	9.3
<b>Cocoa</b>	252	258	334	350	374	1.0
<b>Eggs, albumin</b>	133	124	134	149	167	0.4
<b>Grains and oilseeds</b>						
Barley	63	38	53	75	35	0.2
Maize	36	61	128	183	80	0.3
Oilseeds, not soft oil	73	76	163	216	187	0.4
Oilseeds, soft oil	90	127	140	236	96	0.4
Rice	139	152	207	283	285	0.7
Wheat or meslin	127	157	251	416	191	0.7
Other cereal grains, nec	9	13	29	56	26	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	505	572	662	760	688	2.0
Meat, fresh, chilled or frozen	2 316	2 445	2 666	3 173	2 957	8.3
Meat or offal, preserved	136	139	160	173	156	0.5
Meat or offal, preserved, nec	665	679	776	896	830	2.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 571	1 589	2 125	2 419	1 972	5.9
Butter and cheese	475	456	644	591	529	1.7
Cheese and curd	586	618	716	832	720	2.1
<b>Fish or shellfish</b>	183	201	222	239	220	0.7
<b>Cereal products</b>						
Flour or meal from wheat or meslin	201	196	285	401	259	0.8
Cereal flour or meal, nec	5	7	9	10	9	0.0
Cereal etc, flour or starch	2 099	2 239	2 700	3 320	2 938	8.1
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 042	1 211	1 613	1 758	1 814	4.6
Fruit, prepared or preserved	326	379	459	549	493	1.4
Fruit or vegetable juices	778	1 123	1 283	1 378	1 070	3.5
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	813	1 017	578	726	604	2.3
Sugar confectionery	405	470	562	607	573	1.6
Chocolate and cocoa preparations	1 690	1 892	2 233	2 390	2 240	6.4

*Continued*

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

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	345	373	503	714	616	1.6
Animal oil or fat	107	113	134	164	142	0.4
Vegetable oil or fat, fixed, soft	464	578	740	900	699	2.1
Vegetable oils, fixed, not soft	173	128	128	209	162	0.5
Animal or vegetable oils, processed	246	231	264	724	325	1.1
<b>Other food</b>						
Coffee and coffee substitutes	515	607	655	1 235	1 026	2.5
Tea and mate	54	67	72	79	75	0.2
Spices	27	30	43	55	45	0.1
Edible products, nec	1 254	1 277	1 390	1 623	1 506	4.3
<b>Beverage</b>						
Beverages, nonalcoholic, nec	731	852	978	1 095	876	2.8
Alcoholic beverages	894	963	1 580	1 811	1 372	4.1
<b>Animal feed b</b>	1 040	1 077	1 408	1 715	1 591	4.2
<b>Total</b>	26 305	28 498	33 720	40 058	34 682	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division.

## World food imports

# 8.1 Value of food trade in processed food, by major importing countries <sup>a</sup>

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share <sup>b</sup> %
<b>Meat</b>						
Australia	279	287	393	417	455	0.4
Germany	6 096	6 407	7 070	8 396	7 620	8.3
Italy	4 847	5 516	5 937	6 460	5 913	6.6
Japan	9 746	8 415	8 761	10 382	9 591	10.9
United Kingdom	6 777	7 165	8 202	8 666	7 575	8.9
Other	42 902	47 899	56 826	70 588	57 989	64.0
Total	70 646	75 691	87 189	104 910	92 942	100.0
<b>Dairy</b>						
Australia	297	325	394	568	422	0.8
Belgium–Luxembourg	2 655	2 760	3 491	3 652	2 975	6.0
Germany	4 557	5 286	6 437	7 048	5 651	11.2
Italy	3 518	3 613	4 459	4 918	3 966	7.9
Netherlands	2 584	2 711	3 418	3 352	2 671	5.7
Other	27 921	30 343	38 703	44 494	34 695	68.3
Total	41 532	45 037	56 902	64 032	50 381	100.0
<b>Seafood</b>						
Australia	277	302	360	497	460	2.3
France	936	982	1 147	1 337	1 253	6.8
Japan	2 614	2 672	2 551	2 437	2 420	15.3
United Kingdom	990	1 063	1 286	1 499	1 218	7.3
United States	2 749	3 104	2 974	3 301	3 098	18.3
Other	6 406	7 241	8 598	10 316	8 905	50.0
Total	13 973	15 365	16 916	19 387	17 354	100.0
<b>Horticulture</b>						
Australia	422	474	632	775	713	1.4
France	2 881	3 170	3 859	4 487	4 200	8.4
Germany	4 509	4 910	5 471	6 071	5 272	11.8
Japan	3 019	3 169	3 395	3 383	3 176	7.3
United States	4 758	5 283	6 375	7 103	6 243	13.4
Other	19 210	22 249	28 027	31 501	27 106	57.7
Total	34 800	39 254	47 760	53 320	46 710	100.0
<b>Beverages <sup>c</sup></b>						
Australia	649	789	1 002	1 247	1 165	1.4
Germany	4 599	5 024	5 527	6 105	5 539	7.8
Japan	2 231	2 461	2 543	2 647	2 320	3.6
United Kingdom	6 763	6 952	8 074	8 046	6 978	10.7
United States	13 356	15 336	16 779	16 580	14 764	22.4
Other	28 694	32 011	40 287	45 602	39 257	54.1
Total	56 293	62 572	74 211	80 226	70 023	100.0
<b>Sugar and confectionery</b>						
Australia	293	304	408	489	529	0.9
France	2 063	2 168	2 762	3 072	2 737	5.6
Germany	2 657	2 729	3 129	3 725	3 336	6.9
United Kingdom	2 822	2 884	3 334	3 602	3 306	7.0
United States	3 943	4 640	4 206	4 736	4 704	9.8
Other	25 607	30 344	33 112	35 994	33 097	69.8
Total	37 384	43 068	46 949	51 618	47 711	100.0

*Continued*

# 8.1 Value of food trade in processed food, by major importing countries <sup>a</sup> *continued*

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Animal and vegetable oil</b>						
Australia	302	386	475	558	493	0.7
Germany	2 520	3 648	4 194	5 140	3 629	6.4
Italy	2 742	3 107	3 340	4 307	3 462	5.7
United Kingdom	1 314	1 599	1 967	2 799	1 857	3.2
United States	2 564	3 049	3 717	5 611	4 069	6.4
Other	31 454	34 976	46 798	68 738	50 084	77.6
Total	40 897	46 764	60 492	87 154	63 596	100.0
<b>Animal feed <sup>d</sup></b>						
Australia	219	253	422	481	471	0.8
China	1 306	1 298	1 280	1 870	1 860	3.4
France	1 942	1 893	2 354	3 475	2 912	5.6
Germany	2 295	2 513	2 881	3 664	3 543	6.7
Japan	2 602	2 767	2 931	3 599	3 515	6.9
Other	24 516	26 874	34 329	46 268	39 513	76.6
Total	32 878	35 597	44 197	59 358	51 815	100.0
<b>Cereal products</b>						
Australia	269	316	390	474	470	1.1
France	2 037	2 125	2 564	3 230	2 926	7.5
Germany	2 121	2 211	2 446	2 993	2 739	7.2
United Kingdom	1 873	1 995	2 561	2 866	2 591	6.9
United States	3 181	3 541	3 959	4 458	4 333	11.3
Other	17 019	18 802	23 650	28 841	25 925	66.1
Total	26 500	28 991	35 569	42 862	38 985	100.0
<b>Other processed food</b>						
Australia	1 166	1 237	1 498	1 656	1 722	2.0
France	2 666	2 988	3 619	4 253	4 183	5.0
Germany	4 934	5 630	6 429	7 688	7 195	8.9
Japan	3 210	3 142	3 221	3 596	3 381	4.6
United States	6 567	7 283	8 045	9 000	8 439	11.0
Other	36 822	41 823	50 482	60 736	54 328	68.4
Total	55 364	62 103	73 295	86 929	79 248	100.0
<b>All processed food</b>						
Australia	4 172	4 671	5 973	7 162	6 901	1.1
Germany	35 060	39 208	44 555	51 912	45 428	8.3
Japan	27 239	26 553	27 969	31 683	29 069	5.4
United Kingdom	30 821	32 849	38 660	42 684	37 199	7.0
United States	45 471	50 153	54 395	59 147	53 238	10.0
Other	267 505	301 008	371 925	457 208	386 929	68.2
Total	410 269	454 441	543 478	649 797	558 764	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Alcoholic and nonalcoholic. <sup>d</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: United Nations Statistics Division; ABARES.

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

	2005	2006	2007	2008	2009 p	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	12 525	14 305	15 454	16 746	15 351	1.8
<b>Fish or shellfish</b>						
Fish, live or fresh	37 180	42 193	46 563	50 390	46 141	5.3
Fish, dried, salted or smoked	3 482	3 840	4 488	4 769	4 456	0.5
Shellfish	21 701	23 359	24 338	24 964	22 957	2.8
<b>Horticulture</b>						
Vegetables	33 555	37 939	44 696	48 636	44 949	5.0
Fruit and nuts	51 792	56 353	64 648	74 154	68 752	7.5
<b>Cocoa</b>	9 805	10 000	12 145	15 230	15 578	1.5
<b>Eggs, albumin</b>	2 270	2 412	2 993	3 630	3 557	0.4
<b>Grains and oilseeds</b>						
Barley	3 894	3 899	5 923	8 651	4 456	0.6
Maize	12 785	14 256	22 374	29 299	19 624	2.3
Oilseeds, not soft oil	1 320	1 347	1 753	2 535	2 029	0.2
Oilseeds, soft oil	24 346	24 029	34 604	58 511	47 385	4.5
Rice	8 850	9 679	11 605	17 990	14 809	1.5
Wheat or meslin	18 743	21 463	31 573	45 457	29 196	3.5
Other cereal grains, nec	1 715	1 941	2 946	4 169	2 738	0.3
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	20 040	22 662	25 363	29 443	26 589	3.0
Meat, fresh, chilled or frozen	37 937	38 951	45 031	56 030	48 382	5.4
Meat or offal, preserved	2 488	2 804	3 670	4 034	3 784	0.4
Meat or offal, preserved, nec	10 180	11 274	13 125	15 403	14 187	1.5
<b>Dairy</b>						
Milk products, excluding butter and cheese	21 012	23 061	30 692	33 464	25 201	3.2
Butter and cheese	4 314	4 407	5 208	5 428	4 012	0.6
Cheese and curd	16 206	17 570	21 002	25 140	21 168	2.4
<b>Fish or shellfish</b>	13 973	15 365	16 916	19 387	17 354	2.0
<b>Cereal products</b>						
Flour or meal from wheat or meslin	1 597	1 686	2 376	3 667	2 963	0.3
Cereal flour or meal, nec	573	632	855	1 197	1 047	0.1
Cereal etc, flour or starch	24 331	26 673	32 338	37 998	34 976	3.7
<b>Horticulture</b>						
Vegetables, prepared or preserved	15 058	16 658	20 068	21 879	20 768	2.2
Fruit, prepared or preserved	10 491	11 665	13 493	15 495	13 437	1.5
Fruit or vegetable juices	9 252	10 931	14 199	15 946	12 505	1.5
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	18 972	23 116	23 522	25 364	24 020	2.7
Sugar confectionery	6 296	6 539	7 393	7 979	7 255	0.8
Chocolate and cocoa preparations	12 116	13 413	16 035	18 275	16 437	1.8

*Continued*

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

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	2 171	2 465	3 258	4 453	3 393	0.4
Animal oil or fat	2 516	2 732	3 535	5 277	3 760	0.4
Vegetable oil or fat, fixed, soft	16 621	19 684	24 081	33 536	23 627	2.8
Vegetable oils, fixed, not soft	14 710	16 479	22 681	34 130	26 100	2.7
Animal or vegetable oils, processed	4 880	5 403	6 937	9 757	6 716	0.8
<b>Other food</b>						
Coffee and coffee substitutes	15 951	18 392	21 933	26 806	23 669	2.5
Tea and mate	3 798	4 170	4 615	5 695	4 865	0.6
Spices	3 018	3 244	4 045	4 746	4 198	0.5
Edible products, nec	32 598	36 297	42 702	49 683	46 516	4.9
<b>Beverage</b>						
Beverages, nonalcoholic, nec	10 035	11 682	14 234	15 399	13 624	1.5
Alcoholic beverages	46 257	50 890	59 977	64 827	56 399	6.6
<b>Animal feed <sup>c</sup></b>	32 878	35 597	44 197	59 358	51 815	5.3
<b>Total</b>	654 232	721 457	869 581	1 054 928	900 742	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: United Nations Statistics Division: ABARES.



## World food imports

### 8.3 Value of food imports, European Union

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	6 639	7 599	7 820	8 482	8 097	2.0
<b>Fish or shellfish</b>						
Fish, live or fresh	15 022	17 693	19 744	20 683	19 247	4.8
Fish, dried, salted or smoked	1 943	2 186	2 656	2 780	2 580	0.6
Shellfish	7 988	8 876	9 462	9 745	8 954	2.3
<b>Horticulture</b>						
Vegetables	18 069	19 973	24 026	25 495	22 622	5.7
Fruit and nuts	28 978	30 695	35 185	40 217	35 043	8.8
<b>Cocoa</b>	5 367	5 326	6 821	8 240	8 964	1.8
<b>Eggs, albumin</b>	1 393	1 547	1 893	2 360	2 454	0.5
<b>Grains and oilseeds</b>						
Barley	1 170	1 285	1 766	2 423	1 658	0.4
Maize	2 954	3 258	6 398	7 335	5 113	1.3
Oilseeds, not soft oil	613	585	811	1 224	893	0.2
Oilseeds, soft oil	6 976	7 189	10 186	16 723	12 794	2.8
Rice	1 430	1 546	1 956	3 126	2 656	0.6
Wheat or meslin	4 668	5 063	7 536	10 037	7 385	1.8
Other cereal grains, nec	489	574	1 325	1 852	983	0.3
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	9 092	10 794	12 119	13 502	12 455	3.0
Meat, fresh, chilled or frozen	19 158	19 991	22 627	26 573	23 170	5.8
Meat or offal, preserved	1 974	2 308	3 138	3 468	3 271	0.7
Meat or offal, preserved, nec	5 949	6 592	7 989	9 730	8 703	2.0
<b>Dairy</b>						
Milk products, excluding butter and cheese	11 542	12 370	16 452	17 355	14 015	3.7
Butter and cheese	2 780	3 037	3 615	3 314	2 623	0.8
Cheese and curd	11 151	12 261	14 626	17 552	14 801	3.6
<b>Fish or shellfish</b>	5 878	6 481	7 717	9 005	7 882	1.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	503	560	839	1 242	959	0.2
Cereal flour or meal, nec	170	195	268	356	307	0.1
Cereal etc, flour or starch	13 178	14 263	17 377	20 778	18 665	4.4
<b>Horticulture</b>						
Vegetables, prepared or preserved	7 731	8 343	10 229	11 506	10 952	2.5
Fruit, prepared or preserved	5 657	6 155	7 112	8 253	7 115	1.8
Fruit or vegetable juices	5 306	6 274	7 876	9 188	7 351	1.9
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	7 512	7 784	8 954	10 391	8 993	2.3
Sugar confectionery	2 888	2 932	3 417	3 731	3 384	0.8
Chocolate and cocoa preparations	7 141	7 829	9 560	10 857	9 733	2.3

Continued

## 8.3 Value of food imports, European Union *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	1 133	1 236	1 539	2 247	1 788	0.4
Animal oil or fat	954	1 023	1 266	1 836	1 354	0.3
Vegetable oil or fat, fixed, soft	7 212	9 692	10 728	14 745	9 845	2.7
Vegetable oils, fixed, not soft	4 287	4 585	6 409	9 682	7 303	1.7
Animal or vegetable oils, processed	2 355	2 599	3 283	4 863	3 436	0.9
<b>Other food</b>						
Coffee and coffee substitutes	8 170	9 605	11 642	14 444	12 733	2.9
Tea and mate	1 088	1 232	1 361	1 652	1 446	0.4
Spices	997	1 066	1 370	1 653	1 477	0.3
Edible products, nec	13 952	15 524	18 805	22 521	20 813	4.7
<b>Beverage</b>						
Beverages, nonalcoholic, nec	5 202	5 948	7 314	8 064	7 164	1.7
Alcoholic beverages	21 914	23 233	27 879	30 344	26 064	6.7
<b>Animal feed b</b>	16 305	17 441	21 782	28 650	24 562	5.6
<b>Total</b>	304 878	334 750	404 880	478 226	411 809	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.

Source: United Nations Statistics Division; ABARES.

## World food imports

### 8.4 Value of food imports, NAFTA

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	2 372	2 916	3 471	3 173	2 288	2.3
<b>Fish or shellfish</b>						
Fish, live or fresh	5 219	5 949	6 515	6 642	6 378	5.0
Fish, dried, salted or smoked	268	284	310	334	323	0.2
Shellfish	5 914	6 265	6 392	6 392	5 645	5.0
<b>Horticulture</b>						
Vegetables	6 413	7 146	7 850	8 437	8 220	6.2
Fruit and nuts	9 182	10 041	11 338	12 029	12 163	8.9
<b>Cocoa</b>	1 983	1 836	1 759	2 407	2 604	1.7
<b>Eggs, albumin</b>	103	120	137	145	135	0.1
<b>Grains and oilseeds</b>						
Barley	31	50	143	309	186	0.1
Maize	1 096	1 594	2 352	3 438	2 145	1.7
Oilseeds, not soft oil	257	253	357	517	410	0.3
Oilseeds, soft oil	1 933	2 023	2 629	4 318	3 156	2.3
Rice	569	737	876	1 264	1 281	0.8
Wheat or meslin	795	1 026	1 381	2 358	1 468	1.1
Other cereal grains, nec	633	702	821	1 072	868	0.7
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	4 607	4 344	4 682	4 601	3 972	3.6
Meat, fresh, chilled or frozen	3 725	3 763	4 059	4 323	4 126	3.3
Meat or offal, preserved	285	265	284	289	259	0.2
Meat or offal, preserved, nec	1 120	1 290	1 377	1 387	1 270	1.1
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 223	1 174	1 761	1 626	1 117	1.1
Butter and cheese	387	233	288	268	246	0.2
Cheese and curd	1 498	1 516	1 723	1 792	1 531	1.3
<b>Fish or shellfish</b>	3 200	3 606	3 536	3 923	3 660	2.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	113	133	173	279	188	0.1
Cereal flour or meal, nec	118	127	165	207	211	0.1
Cereal etc, flour or starch	4 800	5 408	6 166	6 483	6 408	4.8
<b>Horticulture</b>						
Vegetables, prepared or preserved	2 700	2 922	3 197	3 430	3 316	2.5
Fruit, prepared or preserved	2 227	2 573	2 945	3 349	3 054	2.3
Fruit or vegetable juices	1 612	1 853	2 575	2 888	2 235	1.8
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	2 030	3 024	2 490	2 938	3 283	2.2
Sugar confectionery	1 580	1 605	1 663	1 712	1 629	1.3
Chocolate and cocoa preparations	1 935	2 114	2 259	2 502	2 374	1.8

Continued

## 8.4 Value of food imports, NAFTA *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>a</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	103	122	146	230	306	0.2
Animal oil or fat	390	371	394	563	761	0.4
Vegetable oil or fat, fixed, soft	1 882	1 895	2 196	2 594	3 679	2.1
Vegetable oils, fixed, not soft	915	1 047	1 246	1 698	2 761	1.3
Animal or vegetable oils, processed	477	491	490	550	725	0.5
<b>Other food</b>						
Coffee and coffee substitutes	2 879	3 761	4 215	4 733	5 513	3.7
Tea and mate	447	500	564	613	688	0.5
Spices	779	667	703	870	1 049	0.7
Edible products, nec	4 482	5 176	5 639	6 049	6 456	4.8
<b>Beverage</b>						
Beverages, nonalcoholic, nec	1 591	1 836	2 368	2 752	2 828	2.0
Alcoholic beverages	12 723	14 123	16 056	17 670	17 837	13.6
<b>Animal feed <sup>b</sup></b>	2 345	2 319	2 677	3 190	4 029	2.5
<b>Total</b>	93 440	102 235	113 571	127 189	141 461	100.0

<sup>a</sup> Average, 2005–2009. <sup>b</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: United Nations Statistics Division.

## World food imports

### 8.5 Value of food imports, APEC<sup>a</sup>

	2005	2006	2007	2008	2009 p	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	3 651	4 395	5 196	5 357	4 517	1.5
<b>Fish or shellfish</b>						
Fish, live or fresh	19 441	20 435	21 816	24 361	22 635	7.0
Fish, dried, salted or smoked	1 153	1 130	1 204	1 308	1 199	0.4
Shellfish	13 170	13 858	14 055	14 286	13 235	4.4
<b>Horticulture</b>						
Vegetables	10 888	12 309	13 637	14 778	14 814	4.3
Fruit and nuts	16 991	19 064	21 908	24 615	25 782	7.0
<b>Cocoa</b>	3 485	3 708	4 074	5 445	5 233	1.4
<b>Eggs, albumin</b>	473	459	548	663	627	0.2
<b>Grains and oilseeds</b>						
Barley	821	783	942	1 542	989	0.3
Maize	5 751	6 870	9 425	13 869	9 037	2.9
Oilseeds, not soft oil	443	466	608	865	717	0.2
Oilseeds, soft oil	14 103	13 889	19 848	35 573	30 155	7.4
Rice	2 464	2 955	3 648	6 062	5 113	1.3
Wheat or meslin	5 831	5 853	6 958	11 880	7 863	2.5
Other cereal grains, nec	1 002	1 069	1 286	1 764	1 477	0.4
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	9 185	9 633	10 614	11 947	10 823	3.4
Meat, fresh, chilled or frozen	14 953	14 921	17 660	22 563	20 277	5.9
Meat or offal, preserved	366	355	378	396	366	0.1
Meat or offal, preserved, nec	3 426	3 803	4 137	4 481	4 497	1.3
<b>Dairy</b>						
Milk products, excluding butter and cheese	4 765	4 935	6 947	7 341	5 576	1.9
Butter and cheese	874	724	889	1 154	791	0.3
Cheese and curd	3 504	3 513	4 219	4 955	4 128	1.3
<b>Fish or shellfish</b>	7 006	7 568	7 585	8 239	7 686	2.5
<b>Cereal products</b>						
Flour or meal from wheat or meslin	426	483	663	961	763	0.2
Cereal flour or meal, nec	195	214	273	351	340	0.1
Cereal etc, flour or starch	7 435	8 212	9 720	10 792	10 410	3.0
<b>Horticulture</b>						
Vegetables, prepared or preserved	5 624	6 150	7 066	7 449	7 234	2.2
Fruit, prepared or preserved	3 987	4 523	5 162	5 802	5 211	1.6
Fruit or vegetable juices	2 878	3 309	4 466	4 893	3 860	1.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	5 982	8 141	7 989	7 869	8 380	2.5
Sugar confectionery	2 396	2 462	2 651	2 788	2 650	0.8
Chocolate and cocoa preparations	3 344	3 627	4 152	4 736	4 480	1.3

*Continued*

## 8.5 Value of food imports, APEC <sup>a</sup> *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	536	658	980	1 339	973	0.3
Animal oil or fat	991	1 094	1 456	2 270	1 659	0.5
Vegetable oil or fat, fixed, soft	4 509	4 691	6 944	10 203	7 151	2.2
Vegetable oils, fixed, not soft	5 023	5 914	8 869	13 825	10 409	2.8
Animal or vegetable oils, processed	1 258	1 559	2 101	2 680	1 890	0.6
<b>Other food</b>						
Coffee and coffee substitutes	5 988	6 688	7 760	9 116	8 391	2.5
Tea and mate	1 287	1 427	1 592	1 830	1 789	0.5
Spices	1 257	1 330	1 658	1 899	1 738	0.5
Edible products, nec	12 323	13 235	14 775	16 956	16 621	4.8
<b>Beverage</b>						
Beverages, nonalcoholic, nec	3 246	3 891	4 476	4 687	4 350	1.3
Alcoholic beverages	20 461	23 132	26 554	28 271	25 046	8.0
<b>Animal feed <sup>c</sup></b>	11 584	12 736	15 234	21 399	19 259	5.2
<b>Total</b>	244 475	266 173	312 120	383 560	340 145	100.0

<sup>a</sup> No data available for Chinese Taipei. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
 Source: United Nations Statistics Division; ABARES.

## World food imports

### 8.6 Value of food imports, ASEAN <sup>a</sup>

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Minimally transformed</b>						
Live animals except fish	395	411	535	763	807	1.6
<b>Fish or shellfish</b>						
Fish, live or fresh	1 940	2 135	2 438	3 168	2 805	7.0
Fish, dried, salted or smoked	64	76	68	81	84	0.2
Shellfish	700	680	682	729	727	2.0
<b>Horticulture</b>						
Vegetables	855	1 033	1 154	1 312	1 404	3.2
Fruit and nuts	991	1 198	1 478	1 789	1 898	4.1
<b>Cocoa</b>	633	953	1 153	1 674	1 279	3.2
<b>Eggs, albumin</b>	79	78	96	127	124	0.3
<b>Grains and oilseeds</b>						
Barley	10	13	14	25	19	0.0
Maize	482	849	941	992	912	2.3
Oilseeds, not soft oil	65	60	109	154	78	0.3
Oilseeds, soft oil	1 113	1 020	1 484	2 281	1 896	4.4
Rice	925	1 110	1 618	3 182	1 982	4.9
Wheat or meslin	1 948	2 112	2 638	3 868	3 131	7.7
Other cereal grains, nec	16	13	19	28	23	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	407	429	549	732	743	1.6
Meat, fresh, chilled or frozen	485	535	740	994	858	2.0
Meat or offal, preserved	20	25	16	20	23	0.1
Meat or offal, preserved, nec	84	95	98	134	137	0.3
<b>Dairy</b>						
Milk products, excluding butter and cheese	2 179	2 306	3 374	3 592	2 299	7.7
Butter and cheese	204	187	254	343	219	0.7
Cheese and curd	138	156	195	267	229	0.6
<b>Fish or shellfish</b>	251	255	311	417	343	0.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	211	244	351	515	415	1.0
Cereal flour or meal, nec	35	37	42	61	61	0.1
Cereal etc, flour or starch	588	656	787	1 085	947	2.3
<b>Horticulture</b>						
Vegetables, prepared or preserved	255	293	367	447	444	1.0
Fruit, prepared or preserved	185	198	250	290	239	0.7
Fruit or vegetable juices	95	107	144	208	190	0.4
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 265	1 507	2 015	1 391	1 816	4.5
Sugar confectionery	172	187	199	245	221	0.6
Chocolate and cocoa preparations	203	246	276	342	319	0.8

*Continued*

## 8.6 Value of food imports, ASEAN <sup>a</sup> *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	46	55	79	105	95	0.2
Animal oil or fat	66	75	75	97	82	0.2
Vegetable oil or fat, fixed, soft	276	323	393	568	443	1.1
Vegetable oils, fixed, not soft	758	896	1 223	2 260	1 809	3.9
Animal or vegetable oils, processed	278	400	604	722	527	1.4
<b>Other food</b>						
Coffee and coffee substitutes	270	322	508	567	436	1.2
Tea and mate	68	79	86	108	117	0.3
Spices	248	308	416	401	417	1.0
Edible products, nec	1 885	2 044	2 426	3 174	2 967	6.9
<b>Beverage</b>						
Beverages, nonalcoholic, nec	161	214	228	283	253	0.6
Alcoholic beverages	1 181	1 414	1 754	2 161	1 793	4.6
<b>Animal feed <sup>c</sup></b>	3 074	3 353	4 402	6 565	5 760	12.8
<b>Total</b>	25 304	28 685	36 590	48 264	41 369	100.0

<sup>a</sup> No data available for Laos and Myanmar. <sup>b</sup> Average, 2008–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: United Nations Statistics Division; ABARES.



## World food imports

# 8.7 Value of food imports, United States <sup>a</sup>

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share b %
<b>Minimally transformed</b>						
Live animals except fish	2 122	2 642	3 140	2 794	2 032	3.1
<b>Fish or shellfish</b>						
Fish, live or fresh	4 481	5 082	5 491	5 580	5 403	6.3
Fish, dried, salted or smoked	190	203	228	246	250	0.3
Shellfish	5 257	5 566	5 642	5 683	4 986	6.5
<b>Horticulture</b>						
Vegetables	4 639	5 128	5 581	5 983	5 730	6.5
Fruit and nuts	6 386	6 905	7 778	8 117	8 547	9.1
<b>Cocoa</b>	1 647	1 480	1 403	1 952	2 184	2.1
<b>Eggs, albumin</b>	23	32	44	49	31	0.0
<b>Grains and oilseeds</b>						
Barley	16	29	105	218	142	0.1
Maize	142	209	335	427	316	0.3
Oilseeds, not soft oil	137	102	164	235	168	0.2
Oilseeds, soft oil	302	367	511	933	650	0.7
Rice	261	368	435	597	634	0.6
Wheat or meslin	179	330	518	1 100	723	0.7
Other cereal grains, nec	258	317	416	615	371	0.5
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	3 436	2 915	2 949	2 750	2 471	3.5
Meat, fresh, chilled or frozen	1 672	1 590	1 657	1 588	1 524	1.9
Meat or offal, preserved	187	153	178	175	146	0.2
Meat or offal, preserved, nec	665	762	763	699	621	0.8
<b>Dairy</b>						
Milk products, excluding butter and cheese	365	381	394	446	363	0.5
Butter and cheese	148	89	96	61	70	0.1
Cheese and curd	1 060	1 069	1 161	1 212	1 048	1.3
<b>Fish or shellfish</b>	2 749	3 104	2 974	3 301	3 098	3.7
<b>Cereal products</b>						
Flour or meal from wheat or meslin	79	92	100	163	117	0.1
Cereal flour or meal, nec	78	80	107	136	134	0.1
Cereal etc, flour or starch	3 025	3 370	3 751	4 158	4 082	4.4
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 997	2 136	2 340	2 511	2 428	2.7
Fruit, prepared or preserved	1 659	1 918	2 186	2 468	2 253	2.5
Fruit or vegetable juices	1 102	1 228	1 849	2 123	1 562	1.9
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 423	2 048	1 523	1 936	2 040	2.2
Sugar confectionery	1 260	1 269	1 300	1 318	1 257	1.5
Chocolate and cocoa preparations	1 259	1 323	1 383	1 481	1 408	1.6

*Continued*

## 8.7 Value of food imports, United States <sup>a</sup> *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	50	69	114	175	161	0.1
Animal oil or fat	88	104	131	180	148	0.2
Vegetable oil or fat, fixed, soft	1 361	1 660	1 883	2 748	2 073	2.3
Vegetable oils, fixed, not soft	803	943	1 302	2 190	1 495	1.6
Animal or vegetable oils, processed	261	272	287	319	193	0.3
<b>Other food</b>						
Coffee and coffee substitutes	3 125	3 462	3 912	4 560	4 208	4.6
Tea and mate	353	403	424	464	463	0.5
Spices	501	541	660	768	685	0.8
Edible products, nec	2 589	2 878	3 049	3 207	3 082	3.6
<b>Beverage</b>						
Beverages, nonalcoholic, nec	1 478	1 944	2 219	2 073	1 761	2.3
Alcoholic beverages	11 878	13 392	14 560	14 507	13 002	16.2
<b>Animal feed <sup>c</sup></b>	821	958	1 141	1 428	1 346	1.4
<b>Total</b>	71 511	78 915	86 186	93 676	85 407	100.0

<sup>a</sup> Includes Puerto Rico and the US Virgin Islands. <sup>b</sup> Average, 2005–2009. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
 Source: United Nations Statistics Division.

## World food imports

### 8.8 Value of food imports, Japan

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	227	250	268	233	162	0.4
<b>Fish or shellfish</b>						
Fish, live or fresh	7 143	6 589	6 225	7 460	6 670	12.7
Fish, dried, salted or smoked	261	233	244	257	259	0.5
Shellfish	4 133	4 034	3 749	3 876	3 595	7.2
<b>Horticulture</b>						
Vegetables	1 731	1 713	1 544	1 497	1 544	3.0
Fruit and nuts	2 104	2 006	2 047	2 294	2 438	4.1
<b>Cocoa</b>	250	287	371	314	364	0.6
<b>Eggs, albumin</b>	156	111	118	163	139	0.3
<b>Grains and oilseeds</b>						
Barley	270	261	414	581	295	0.7
Maize	2 582	2 586	3 843	5 578	3 770	6.9
Oilseeds, not soft oil	13	10	10	14	7	0.0
Oilseeds, soft oil	2 381	2 230	2 877	4 421	2 974	5.6
Rice	321	303	369	415	629	0.8
Wheat or meslin	1 228	1 280	1 635	3 277	1 448	3.3
Other cereal grains, nec	308	297	385	467	439	0.7
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	2 006	1 942	2 048	2 143	1 996	3.8
Meat, fresh, chilled or frozen	5 902	4 513	4 680	6 073	5 315	9.9
Meat or offal, preserved	31	35	39	40	40	0.1
Meat or offal, preserved, nec	1 808	1 925	1 994	2 127	2 240	3.8
<b>Dairy</b>						
Milk products, excluding butter and cheese	224	219	296	290	217	0.5
Butter and cheese	16	13	49	85	2	0.1
Cheese and curd	734	723	840	999	815	1.5
<b>Fish or shellfish</b>	2 614	2 672	2 551	2 437	2 420	4.7
<b>Cereal products</b>						
Flour or meal from wheat or meslin	2	1	2	2	2	0.0
Cereal flour or meal, nec	4	4	4	4	3	0.0
Cereal etc, flour or starch	788	808	894	1 132	1 084	1.8
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 578	1 645	1 698	1 697	1 759	3.1
Fruit, prepared or preserved	848	893	911	880	805	1.6
Fruit or vegetable juices	594	631	786	806	612	1.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	569	706	748	755	732	1.3
Sugar confectionery	106	104	106	99	104	0.2
Chocolate and cocoa preparations	380	401	441	510	454	0.8

*Continued*

## 8.8 Value of food imports, Japan *continued*

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Animal and vegetable oil</b>						
Margarine and shortening	22	20	22	26	29	0.0
Animal oil or fat	131	109	123	211	134	0.3
Vegetable oil or fat, fixed, soft	318	299	280	380	304	0.6
Vegetable oils, fixed, not soft	392	393	595	904	621	1.1
Animal or vegetable oils, processed	131	127	165	241	166	0.3
<b>Other food</b>						
Coffee and coffee substitutes	1 075	1 143	1 200	1 407	1 285	2.3
Tea and mate	210	202	206	211	197	0.4
Spices	216	191	225	268	227	0.4
Edible products, nec	1 708	1 607	1 589	1 711	1 671	3.1
<b>Beverage</b>						
Beverages, nonalcoholic, nec	457	549	564	560	510	1.0
Alcoholic beverages	1 775	1 912	1 979	2 087	1 811	3.6
<b>Animal feed b</b>	2 602	2 767	2 931	3 599	3 515	5.8
<b>Total</b>	50 349	48 744	52 068	62 530	53 803	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division.

## World food imports

# 8.9 Value of food imports, Germany

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	999	1 281	1 215	1 597	1 673	2.0
<b>Fish or shellfish</b>						
Fish, live or fresh	1 877	2 201	2 310	2 397	2 356	3.4
Fish, dried, salted or smoked	284	337	384	454	608	0.6
Shellfish	291	316	368	351	386	0.5
<b>Horticulture</b>						
Vegetables	4 282	4 761	5 067	5 500	5 109	7.5
Fruit and nuts	5 972	6 399	6 942	7 787	7 022	10.3
<b>Cocoa</b>	1 010	1 008	1 332	1 638	1 905	2.1
<b>Eggs, albumin</b>	550	596	632	792	989	1.1
<b>Grains and oilseeds</b>						
Barley	113	175	316	416	326	0.4
Maize	417	439	669	747	612	0.9
Oilseeds, not soft oil	112	115	136	212	174	0.2
Oilseeds, soft oil	1 693	1 752	2 429	4 025	3 306	4.0
Rice	185	205	250	373	358	0.4
Wheat or meslin	259	363	603	903	848	0.9
Other cereal grains, nec	61	73	166	232	161	0.2
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	997	1 234	1 408	1 661	1 570	2.1
Meat, fresh, chilled or frozen	3 807	3 701	3 891	4 609	4 034	6.1
Meat or offal, preserved	205	289	422	464	429	0.5
Meat or offal, preserved, nec	1 087	1 183	1 349	1 661	1 588	2.1
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 523	1 682	2 262	2 469	1 853	3.0
Butter and cheese	492	669	845	618	401	0.9
Cheese and curd	2 542	2 935	3 330	3 961	3 397	4.9
<b>Fish or shellfish</b>	772	849	970	1 082	902	1.4
<b>Cereal products</b>						
Flour or meal from wheat or meslin	36	38	54	87	72	0.1
Cereal flour or meal, nec	18	21	29	39	41	0.0
Cereal etc, flour or starch	2 068	2 153	2 364	2 867	2 627	3.7
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 675	1 768	2 006	2 268	2 235	3.0
Fruit, prepared or preserved	1 706	1 772	1 792	2 064	1 771	2.8
Fruit or vegetable juices	1 129	1 369	1 673	1 739	1 266	2.2
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 070	1 053	1 229	1 556	1 263	1.9
Sugar confectionery	519	538	566	662	595	0.9
Chocolate and cocoa preparations	1 068	1 137	1 333	1 508	1 478	2.0

*Continued*

## 8.9 Value of food imports, Germany *continued*

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	173	216	218	322	238	0.4
Animal oil or fat	95	102	113	179	137	0.2
Vegetable oil or fat, fixed, soft	863	1 870	1 957	1 805	987	2.3
Vegetable oils, fixed, not soft	939	989	1 373	1 964	1 608	2.1
Animal or vegetable oils, processed	451	470	533	872	659	0.9
<b>Other food</b>						
Coffee and coffee substitutes	2 203	2 633	3 109	3 757	3 276	4.5
Tea and mate	164	204	226	257	197	0.3
Spices	211	232	309	333	296	0.4
Edible products, nec	2 357	2 561	2 786	3 340	3 425	4.4
<b>Beverage</b>						
Beverages, nonalcoholic, nec	759	860	985	1 029	867	1.4
Alcoholic beverages	3 840	4 164	4 542	5 077	4 672	6.7
<b>Animal feed b</b>	2 295	2 513	2 881	3 664	3 543	4.5
<b>Total</b>	53 165	59 229	67 374	79 335	71 261	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.

Source: United Nations Statistics Division.

## World food imports

# 8.10 Value of food imports, United Kingdom

	2005	2006	2007	2008	2009 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	814	943	932	771	682	1.6
<b>Fish or shellfish</b>						
Fish, live or fresh	1 621	1 986	2 179	2 091	1 688	3.8
Fish, dried, salted or smoked	30	34	42	41	32	0.1
Shellfish	444	454	494	449	442	0.9
<b>Horticulture</b>						
Vegetables	3 487	3 624	4 323	4 360	3 555	7.6
Fruit and nuts	4 234	4 550	5 135	5 284	4 529	9.3
<b>Cocoa</b>	486	461	621	670	721	1.2
<b>Eggs, albumin</b>	147	166	209	245	237	0.4
<b>Grains and oilseeds</b>						
Barley	17	21	29	41	31	0.1
Maize	284	249	407	348	242	0.6
Oilseeds, not soft oil	34	38	48	96	52	0.1
Oilseeds, soft oil	408	394	498	705	746	1.1
Rice	310	314	390	638	560	0.9
Wheat or meslin	243	243	417	589	412	0.7
Other cereal grains, nec	21	23	54	55	21	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 065	1 138	1 241	1 366	1 119	2.3
Meat, fresh, chilled or frozen	3 073	3 114	3 551	3 374	2 922	6.3
Meat or offal, preserved	973	1 033	1 205	1 362	1 260	2.3
Meat or offal, preserved, nec	1 666	1 880	2 205	2 564	2 274	4.2
<b>Dairy</b>						
Milk products, excluding butter and cheese	922	1 001	1 213	1 368	1 197	2.2
Butter and cheese	563	604	459	432	373	1.0
Cheese and curd	1 553	1 617	1 863	2 202	1 824	3.6
<b>Fish or shellfish</b>	990	1 063	1 286	1 499	1 218	2.4
<b>Cereal products</b>						
Flour or meal from wheat or meslin	45	41	58	61	48	0.1
Cereal flour or meal, nec	17	20	20	25	21	0.0
Cereal etc, flour or starch	1 811	1 933	2 483	2 780	2 523	4.5
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 190	1 263	1 498	1 634	1 530	2.8
Fruit, prepared or preserved	606	651	769	791	685	1.4
Fruit or vegetable juices	739	886	1 082	1 200	894	1.9
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 300	1 303	1 378	1 601	1 354	2.7
Sugar confectionery	442	454	570	548	515	1.0
Chocolate and cocoa preparations	1 080	1 127	1 385	1 454	1 437	2.5

Continued

# 8.10 Value of food imports, United Kingdom *continued*

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Animal and vegetable oil</b>						
Margarine and shortening	64	71	80	120	114	0.2
Animal oil or fat	123	112	138	182	153	0.3
Vegetable oil or fat, fixed, soft	510	693	864	1 217	800	1.6
Vegetable oils, fixed, not soft	417	432	479	644	441	0.9
Animal or vegetable oils, processed	200	291	407	636	349	0.7
<b>Other food</b>						
Coffee and coffee substitutes	539	627	736	912	896	1.5
Tea and mate	285	343	321	384	378	0.7
Spices	111	123	157	188	181	0.3
Edible products, nec	2 090	2 210	2 989	3 462	3 299	5.5
<b>Beverage</b>						
Beverages, nonalcoholic, nec	954	1 057	1 185	1 110	1 115	2.1
Alcoholic beverages	5 809	5 895	6 889	6 936	5 863	12.3
<b>Animal feed b</b>	1 684	1 866	2 149	2 632	2 415	4.2
<b>Total</b>	43 401	46 349	54 440	59 068	51 149	100.0

a Average, 2005–2009. b Excludes unmilled cereal. p Preliminary.  
Source: United Nations Statistics Division.



## World food imports

# 8.11 Value of food imports, France

	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	2009 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	333	355	352	417	352	0.8
<b>Fish or shellfish</b>						
Fish, live or fresh	2 105	2 400	2 539	2 697	2 643	5.7
Fish, dried, salted or smoked	120	137	140	165	154	0.3
Shellfish	1 342	1 472	1 467	1 538	1 426	3.3
<b>Horticulture</b>						
Vegetables	2 277	2 360	2 925	3 154	2 820	6.2
Fruit and nuts	3 399	3 352	3 842	4 512	3 911	8.7
<b>Cocoa</b>	773	789	1 013	1 139	1 190	2.3
<b>Eggs, albumin</b>	113	134	167	180	194	0.4
<b>Grains and oilseeds</b>						
Barley	9	7	18	22	6	0.0
Maize	149	145	344	274	332	0.6
Oilseeds, not soft oil	29	30	38	64	42	0.1
Oilseeds, soft oil	243	259	421	784	838	1.2
Rice	273	282	369	542	500	0.9
Wheat or meslin	37	38	99	141	114	0.2
Other cereal grains, nec	16	19	80	147	33	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 261	1 456	1 633	1 804	1 634	3.6
Meat, fresh, chilled or frozen	2 332	2 433	2 818	3 286	3 132	6.4
Meat or offal, preserved	296	316	363	431	414	0.8
Meat or offal, preserved, nec	442	500	617	778	731	1.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 086	1 151	1 618	1 551	1 388	3.1
Butter and cheese	479	506	666	609	502	1.3
Cheese and curd	930	1 027	1 196	1 488	1 403	2.8
<b>Fish or shellfish</b>	936	982	1 147	1 337	1 253	2.6
<b>Cereal products</b>						
Flour or meal from wheat or meslin	75	74	104	166	125	0.2
Cereal flour or meal, nec	18	18	27	31	31	0.1
Cereal etc, flour or starch	1 944	2 033	2 433	3 033	2 771	5.6
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 253	1 390	1 729	1 938	1 843	3.7
Fruit, prepared or preserved	895	952	1 122	1 351	1 207	2.5
Fruit or vegetable juices	734	828	1 009	1 198	1 150	2.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	599	651	889	910	776	1.8
Sugar confectionery	330	312	370	395	369	0.8
Chocolate and cocoa preparations	1 134	1 205	1 503	1 767	1 591	3.3

*Continued*

## 8.11 Value of food imports, France *continued*

	2005	2006	2007	2008	2009 <sup>p</sup>	Share <sup>a</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	223	231	323	436	396	0.7
Animal oil or fat	84	81	100	145	94	0.2
Vegetable oil or fat, fixed, soft	793	1 072	1 210	2 243	1 483	3.1
Vegetable oils, fixed, not soft	342	357	466	792	526	1.1
Animal or vegetable oils, processed	226	230	293	363	232	0.6
<b>Other food</b>						
Coffee and coffee substitutes	936	1 115	1 348	1 643	1 660	3.1
Tea and mate	135	147	165	178	167	0.4
Spices	98	107	125	169	155	0.3
Edible products, nec	1 496	1 618	1 981	2 263	2 201	4.4
<b>Beverage</b>						
Beverages, nonalcoholic, nec	562	635	799	998	872	1.8
Alcoholic beverages	1 941	1 993	2 378	2 674	2 482	5.3
<b>Animal feed <sup>b</sup></b>	1 942	1 893	2 354	3 475	2 912	5.8
<b>Total</b>	34 740	37 095	44 598	53 228	48 053	100.0

<sup>a</sup> Average, 2005–2009. <sup>b</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: United Nations Statistics Division; ABARES.

# 9.1 Supply and consumption of alcoholic beverages, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	32 212	858	824	32 205	30 474	32
Egypt	295	0	10	285	251	3
Nigeria	10 713	115	2	10 825	9 857	68
South Africa	3 844	88	565	3 367	3 192	66
<b>Asia c</b>	71 734	2 696	1 683	72 510	66 514	17
China	48 890	555	720	48 725	46 775	35
India	4 740	137	62	4 816	1 831	2
Indonesia	256	1	30	227	169	1
Japan	5 375	579	43	5 911	5 744	45
Korea, Rep. of	3 537	282	183	3 636	3 426	72
Malaysia	162	44	93	114	97	4
Pakistan	140	1	126	21	18	0
Philippines	1 303	63	21	1 344	1 253	14
Thailand	2 902	105	156	2 633	2 591	39
Vietnam	1 263	20	9	1 274	1 274	15
<b>Europe</b>	81 381	15 285	17 875	79 706	73 105	100
Austria	1 211	222	147	1 306	1 203	146
Belgium	1 847	807	1 161	1 485	1 353	129
Czech Republic	2 070	191	365	1 895	1 811	177
Denmark	858	344	442	719	642	118
France	8 674	1 436	2 370	7 973	5 652	92
Germany	11 239	2 497	2 114	11 710	11 269	137
Greece	855	136	88	943	793	71
Italy	6 445	973	2 281	5 381	4 439	75
Malta	18	12	0	29	26	64
Netherlands	2 543	1 385	2 093	1 835	1 546	94
Norway	268	132	7	393	358	77
Poland	3 987	146	124	4 010	3 876	102
Portugal	1 541	227	498	1 354	1 256	119
Russian Federation	12 016	1 085	367	12 734	12 692	89
Slovenia	223	38	42	218	204	102
Spain	7 239	651	1 730	6 314	5 185	119
Sweden	544	396	187	753	609	67
Turkey	1 035	53	99	989	907	13
United Kingdom	6 325	2 561	1 625	7 294	7 155	118
<b>Middle East</b>						
Iran	7	0	1	6	1	0
Kuwait	0	0	0	0	0	0
Saudi Arabia	0	3	0	3	0	0
United Arab Emirates	0	309	5	304	0	0

*Continued*

## 9.1 Supply and consumption of alcoholic beverages, by selected country <sup>a</sup>

*continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	8 862	710	2 400	7 183	6 909	47
Mexico	8 060	289	1 974	6 375	6 096	57
<b>North America</b>	40 313	7 407	1 773	45 816	33 970	100
Canada	3 432	909	537	3 804	3 586	110
United States	36 881	6 491	1 235	42 004	30 378	99
<b>South America</b>	39 749	454	3 786	36 462	20 220	54
Argentina	3 067	12	396	2 683	2 538	65
Brazil	28 908	80	2 633	26 354	10 310	55
Chile	1 351	65	609	846	816	50
Uruguay	180	14	9	185	181	54
<b>Oceania</b>	3 553	271	898	3 040	2 735	101
Australia	3 055	168	799	2 539	2 297	111
New Zealand	436	84	96	423	371	89
<b>World</b>	278 988	28 007	29 693	277 987	235 000	36

<sup>a</sup> Annual average, 2005–2007. Wine, beer from barley, and other fermented and alcoholic beverages. Includes nonfood alcohol. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

## 9.2 Supply and consumption of cereals, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	135 866	55 906	3 691	184 750	134 265	143
Egypt	19 967	10 397	1 131	28 720	18 175	231
Nigeria	26 157	4 388	16	29 823	20 990	145
South Africa	11 047	3 044	1 241	14 071	9 089	187
<b>Asia <sup>c</sup></b>	915 796	123 186	50 670	970 436	612 929	156
China	385 265	11 447	10 012	381 950	205 008	154
India	200 981	2 999	7 075	197 312	173 247	151
Indonesia	49 329	7 045	289	54 785	39 138	176
Japan	8 412	26 896	418	34 384	14 788	116
Korea, Rep. of	4 495	12 821	176	16 795	6 838	143
Malaysia	1 608	6 252	329	7 502	4 223	162
Pakistan	31 361	848	4 022	25 477	21 763	128
Philippines	16 289	4 841	49	19 751	13 351	153
Thailand	24 458	1 777	8 806	15 941	8 597	129
Vietnam	27 912	1 941	4 917	23 813	16 099	189
<b>Europe</b>	406 603	79 345	109 204	390 554	96 596	132
Austria	4 810	1 251	1 513	4 945	980	119
Belgium	2 672	7 917	5 160	5 372	1 188	113
Czech Republic	7 074	524	2 267	5 477	1 297	127
Denmark	8 712	1 137	1 547	8 640	690	127
France	61 641	3 093	31 281	35 648	7 391	120
Germany	43 362	7 396	12 582	41 300	9 461	115
Greece	4 736	2 199	669	6 228	1 668	150
Italy	20 175	10 254	4 643	26 349	9 308	158
Malta	13	171	7	190	70	172
Netherlands	1 657	9 917	2 450	9 102	1 304	80
Norway	1 223	597	12	1 722	586	125
Poland	25 282	1 929	1 438	26 280	5 729	150
Portugal	973	3 667	359	4 326	1 400	132
Russian Federation	77 538	2 265	13 806	66 952	21 698	152
Slovenia	537	538	64	1 012	278	139
Spain	18 996	13 679	2 091	31 518	4 199	96
Sweden	4 746	529	1 370	3 736	929	102
Turkey	33 198	1 666	3 174	33 239	15 711	218
United Kingdom	20 320	4 395	4 116	20 988	6 865	113
<b>Middle East</b>						
Iran	21 332	4 511	127	25 069	13 305	186
Kuwait	3	827	12	749	400	144
Saudi Arabia	3 031	9 716	118	11 310	3 993	165
United Arab Emirates	0	4 805	2 993	2 479	1 067	253

*Continued*

## 9.2 Supply and consumption of cereals, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	35 810	24 526	1 816	58 157	23 237	159
Mexico	31 739	19 451	1 272	49 618	18 293	172
<b>North America</b>	419 553	11 667	119 559	303 495	37 639	111
Canada	49 216	3 680	23 340	31 096	3 892	119
United States	370 337	7 980	96 219	272 393	33 742	110
<b>South America</b>	118 093	24 119	36 110	109 998	44 113	117
Argentina	38 493	34	25 798	14 752	4 717	121
Brazil	57 448	9 098	6 167	61 613	21 722	115
Chile	3 416	2 685	341	5 618	2 377	144
Uruguay	2 128	182	1 228	1 133	554	166
<b>Oceania</b>	27 791	1 244	19 766	15 177	2 402	89
Australia	26 905	340	19 668	13 568	1 757	85
New Zealand	866	530	52	1 257	380	91
<b>World</b>	2 061 007	325 556	340 935	2 039 473	955 014	147

<sup>a</sup> Annual average, 2005–2007. Includes wheat, rice (milled equivalent), barley (excluding beer), maize, rye, oats, millet, sorghum and other cereals. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

## 9.3 Supply and consumption of starchy roots, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	208 884	959	623	212 219	122 922	131
Egypt	3 227	72	425	2 874	2 306	29
Nigeria	86 488	3	7	86 484	31 298	217
South Africa	1 918	167	41	2 065	1 521	31
<b>Asia <sup>c</sup></b>	291 142	25 674	23 324	290 443	169 052	43
China	155 699	18 428	1 179	173 063	90 668	68
India	37 808	27	123	37 713	29 637	26
Indonesia	22 990	1 326	1 040	23 276	12 132	55
Japan	4 189	1 409	12	5 586	4 125	32
Korea, Rep. of	1 007	1 335	1	2 341	845	18
Malaysia	491	942	17	1 416	641	25
Pakistan	2 534	60	66	2 527	2 170	13
Philippines	2 621	293	5	2 909	2 540	29
Thailand	22 405	227	16 933	2 568	1 212	18
Vietnam	9 381	63	2 760	6 684	1 320	16
<b>Europe</b>	129 498	17 396	15 394	132 309	67 477	92
Austria	696	157	103	793	508	61
Belgium	2 855	2 111	2 405	2 540	795	76
Czech Republic	842	206	124	914	718	70
Denmark	1 521	220	211	1 651	438	81
France	6 717	1 401	2 309	5 928	3 926	64
Germany	11 100	1 194	3 457	8 347	5 891	72
Greece	892	246	29	1 127	825	74
Italy	1 789	1 299	221	2 838	2 328	39
Malta	17	17	3	31	27	66
Netherlands	6 629	2 793	4 960	4 545	1 394	85
Norway	342	57	0	417	351	75
Poland	10 381	282	513	10 617	4 853	127
Portugal	636	553	34	1 184	845	80
Russian Federation	37 546	811	72	38 285	19 052	134
Slovenia	128	54	13	175	126	63
Spain	2 552	2 437	272	4 917	3 227	74
Sweden	838	317	43	1 096	553	61
Turkey	4 244	80	129	4 195	3 479	48
United Kingdom	5 826	1 873	355	7 691	6 654	109
<b>Middle East</b>						
Iran	4 516	39	147	4 408	3 764	53
Kuwait	22	38	0	60	55	20
Saudi Arabia	460	318	162	615	513	21
United Arab Emirates	7	187	19	176	66	15

Continued

## 9.3 Supply and consumption of starchy roots, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	3 234	726	547	3 415	2 636	18
Mexico	1 893	503	45	2 352	1 961	18
<b>North America</b>	25 382	3 803	4 538	25 088	20 590	61
Canada	4 841	420	2 312	3 157	2 486	76
United States	20 539	3 383	2 226	21 929	18 103	59
<b>South America</b>	51 124	815	544	51 451	24 348	65
Argentina	2 420	42	276	2 185	1 767	45
Brazil	30 389	283	76	30 596	12 111	64
Chile	1 123	60	7	1 176	991	60
Uruguay	207	36	0	243	176	53
<b>Oceania</b>	2 179	331	202	2 320	1 773	65
Australia	1 255	197	57	1 396	1 141	55
New Zealand	512	86	124	486	280	67
<b>World</b>	714 339	49 866	45 204	720 269	410 981	63

<sup>a</sup> Annual average, 2005–2007. Includes cassava, potatoes, yams and other roots. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.



## 9.4 Supply and consumption of sweeteners, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	10 091	8 124	3 627	14 668	13 941	15
Egypt	1 805	491	179	2 123	1 907	24
Nigeria	60	1 300	2	1 359	1 359	9
South Africa	2 382	147	1 212	1 498	1 493	31
<b>Asia <sup>c</sup></b>	66 635	22 594	11 192	75 887	62 849	16
China	13 998	2 273	964	15 371	9 971	7
India	27 558	224	2 394	25 389	21 189	18
Indonesia	2 427	2 365	48	3 813	3 464	16
Japan	2 171	1 619	24	3 780	3 671	29
Korea, Rep. of	823	1 693	483	1 999	1 760	37
Malaysia	111	1 603	673	995	957	37
Pakistan	3 751	1 113	82	4 724	4 719	28
Philippines	2 366	240	252	2 139	2 137	25
Thailand	5 909	49	3 515	2 356	2 337	35
Vietnam	1 452	107	36	1 524	1 071	13
<b>Europe</b>	30 273	19 020	15 767	35 415	30 332	42
Austria	655	547	625	570	395	48
Belgium	1 037	1 752	2 098	931	566	54
Czech Republic	570	230	388	419	362	35
Denmark	545	302	325	576	301	55
France	5 575	1 128	3 192	3 746	2 409	39
Germany	4 215	1 759	2 021	4 375	4 204	51
Greece	270	257	107	439	381	34
Italy	1 240	1 061	481	2 118	1 838	31
Malta	0	51	2	42	22	54
Netherlands	1 198	809	1 139	988	764	47
Norway	6	202	28	208	203	43
Poland	2 097	262	782	1 849	1 677	44
Portugal	64	455	179	365	344	33
Russian Federation	3 431	3 257	257	6 603	6 597	46
Slovenia	67	128	108	87	47	24
Spain	990	778	365	1 375	1 249	29
Sweden	407	132	144	427	392	43
Turkey	2 200	43	237	2 046	2 058	29
United Kingdom	1 990	2 107	1 059	2 982	2 110	35
<b>Middle East</b>						
Iran	1 397	1 337	394	1 998	1 997	28
Kuwait	0	142	3	99	99	36
Saudi Arabia	0	1 166	342	765	767	32
United Arab Emirates	0	1 907	999	982	161	38

*Continued*

## 9.4 Supply and consumption of sweeteners, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	10 042	1 058	3 205	8 022	6 937	48
Mexico	5 726	865	803	6 010	5 354	50
<b>North America</b>	20 073	5 220	2 319	23 603	22 719	67
Canada	518	1 850	614	1 778	1 762	54
United States	19 555	3 366	1 705	21 822	20 954	69
<b>South America</b>	42 348	1 385	22 027	20 218	15 069	40
Argentina	2 751	23	792	1 863	1 897	49
Brazil	32 049	34	19 551	11 042	7 884	42
Chile	364	391	19	740	715	43
Uruguay	20	117	17	122	121	36
<b>Oceania</b>	5 532	488	4 692	1 827	1 272	47
Australia	5 190	166	4 346	1 494	976	47
New Zealand	61	269	88	246	234	56
<b>World</b>	186 981	58 717	64 067	181 271	154 557	24

<sup>a</sup> Annual average, 2005–2007. Includes sugar (in raw equivalent terms from both sugar cane and sugar beet), honey and other sweeteners. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.  
*Source:* Food and Agriculture Organisation, FAOSTAT nutrition data.

## 9.5 Supply and consumption of pulses, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	11 678	1 404	340	12 663	9 020	10
Egypt	364	507	49	822	617	8
Nigeria	2 936	2	0	2 938	1 406	10
South Africa	81	97	4	174	150	3
<b>Asia c</b>	27 669	4 926	3 019	29 292	21 532	5
China	4 519	399	848	4 070	1 664	1
India	13 988	2 438	295	16 130	13 469	12
Indonesia	324	49	22	351	299	1
Japan	93	144	0	256	241	2
Korea, Rep. of	14	56	0	70	68	1
Malaysia	0	84	4	80	80	3
Pakistan	1 081	455	102	1 433	1 125	7
Philippines	57	64	0	121	118	1
Thailand	199	22	40	182	158	2
Vietnam	255	0	2	253	224	3
<b>Europe</b>	6 605	2 571	1 580	7 721	1 828	3
Austria	97	5	10	92	5	1
Belgium	4	344	75	274	24	2
Czech Republic	84	13	24	73	29	3
Denmark	35	37	18	64	5	1
France	1 328	111	649	790	118	2
Germany	411	81	70	422	48	1
Greece	46	42	1	87	55	5
Italy	162	392	18	536	324	6
Malta	2	1	0	3	2	5
Netherlands	11	206	43	175	23	1
Norway	0	59	1	59	12	2
Poland	250	19	5	264	70	2
Portugal	22	64	15	71	41	4
Russian Federation	1 572	34	93	1 514	244	2
Slovenia	7	3	0	10	9	4
Spain	313	794	24	1 191	198	5
Sweden	52	6	8	50	15	2
Turkey	1 519	105	305	1 319	827	12
United Kingdom	800	216	298	718	180	3
<b>Middle East</b>						
Iran	669	28	39	634	509	7
Kuwait	0	20	0	19	19	7
Saudi Arabia	8	124	4	127	123	5
United Arab Emirates	0	179	22	68	57	14

Continued

## 9.5 Supply and consumption of pulses, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 900	254	170	2 104	1 853	13
Mexico	1 360	153	124	1 516	1 363	13
<b>North America</b>	6 297	398	4 316	2 538	1 603	5
Canada	4 178	130	3 406	1 050	243	7
United States	2 119	267	910	1 489	1 361	4
<b>South America</b>	4 315	509	421	4 385	3 971	11
Argentina	342	5	281	84	59	1
Brazil	3 235	131	14	3 320	3 054	16
Chile	105	28	24	109	71	4
Uruguay	7	5	0	11	10	3
<b>Oceania</b>	1 649	28	701	1 012	64	2
Australia	1 611	12	686	973	33	2
New Zealand	34	9	16	27	20	5
<b>World</b>	60 351	10 396	10 551	60 256	40 356	6

<sup>a</sup> Annual average, 2005–2007. Includes beans, peas and other pulses. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

## 9.6 Supply and consumption of vegetables, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	58 468	2 144	1 565	59 094	53 284	57
Egypt	17 616	24	518	17 134	15 398	196
Nigeria	9 643	160	1	9 802	8 704	60
South Africa	2 078	108	68	2 120	1 880	39
<b>Asia c</b>	649 419	10 905	18 520	641 822	556 649	142
China	436 491	1 324	9 825	428 015	366 803	276
India	78 203	27	1 820	76 410	71 482	62
Indonesia	8 438	512	98	8 852	8 197	37
Japan	11 874	3 006	14	14 866	13 601	107
Korea, Rep. of	10 998	941	71	11 869	10 327	216
Malaysia	569	976	394	1 150	1 131	43
Pakistan	5 210	188	89	5 309	5 107	30
Philippines	5 251	201	16	5 437	5 199	60
Thailand	3 342	222	577	2 988	2 700	41
Vietnam	7 991	156	228	7 919	7 130	84
<b>Europe</b>	98 137	29 397	25 413	102 102	85 707	117
Austria	535	564	213	885	783	95
Belgium	2 284	1 814	2 412	1 686	1 253	120
Czech Republic	275	672	110	837	788	77
Denmark	254	388	75	567	535	98
France	5 513	3 478	1 755	7 234	6 147	100
Germany	3 767	5 587	1 066	8 289	7 469	91
Greece	3 780	212	578	3 414	2 737	247
Italy	15 047	1 774	5 085	11 737	9 641	164
Malta	84	18	0	102	87	215
Netherlands	4 218	1 983	4 501	1 750	1 545	94
Norway	174	213	5	383	355	76
Poland	5 709	605	1 184	5 130	4 556	119
Portugal	2 420	349	779	1 991	1 723	163
Russian Federation	16 444	3 185	67	19 561	15 670	110
Slovenia	78	140	31	188	169	84
Spain	13 150	860	5 584	8 426	6 700	154
Sweden	328	635	76	886	802	88
Turkey	25 903	29	1 512	24 420	16 545	230
United Kingdom	2 533	3 947	266	6 215	5 715	94
<b>Middle East</b>						
Iran	16 078	9	718	15 370	13 588	190
Kuwait	206	308	1	513	477	172
Saudi Arabia	2 088	851	219	2 720	2 473	102
United Arab Emirates	469	819	155	1 133	696	164

*Continued*

## 9.6 Supply and consumption of vegetables, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	14 707	1 049	5 854	9 903	9 012	62
Mexico	11 586	513	4 343	7 756	7 090	67
<b>North America</b>	39 682	9 116	4 663	44 135	41 412	122
Canada	2 536	2 474	817	4 193	3 950	121
United States	37 143	6 637	3 846	39 934	37 455	123
<b>South America</b>	22 161	1 012	1 695	21 482	18 414	49
Argentina	3 207	89	376	2 921	2 595	66
Brazil	9 516	412	283	9 645	8 547	45
Chile	2 613	37	566	2 084	1 587	96
Uruguay	185	33	3	216	189	57
<b>Oceania</b>	2 901	501	612	2 793	2 674	99
Australia	1 870	380	169	2 081	2 028	98
New Zealand	970	82	438	616	555	134
<b>World</b>	889 598	54 352	58 370	885 632	769 937	118

<sup>a</sup> Annual average, 2005–2007. Does not include starchy roots. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.  
Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

## 9.7 Supply and consumption of fruit, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	72 427	1 472	5 202	68 817	53 019	56
Egypt	8 987	125	530	8 582	7 696	98
Nigeria	9 696	17	0	9 712	8 796	61
South Africa	5 857	102	2 762	3 283	1 708	35
<b>Asia <sup>c</sup></b>	258 415	17 572	23 162	252 873	221 806	57
China	96 534	3 279	5 477	94 336	81 519	61
India	56 707	479	650	56 535	48 397	42
Indonesia	15 678	522	475	15 593	14 022	63
Japan	3 469	4 842	41	8 270	7 406	58
Korea, Rep. of	2 831	1 161	84	3 908	3 576	75
Malaysia	1 300	629	303	1 628	1 460	56
Pakistan	6 453	242	401	6 293	6 056	36
Philippines	13 376	248	3 056	10 637	8 982	103
Thailand	8 696	374	3 135	6 023	6 043	91
Vietnam	5 715	174	260	5 629	5 038	59
<b>Europe</b>	72 405	62 104	34 513	100 995	68 067	93
Austria	1 109	1 512	874	1 747	1 224	148
Belgium	651	4 520	4 287	980	845	81
Czech Republic	323	848	254	917	762	75
Denmark	72	806	158	726	703	129
France	9 918	7 257	2 243	14 947	7 006	114
Germany	2 810	9 362	3 215	9 095	7 486	91
Greece	3 624	512	1 242	2 894	1 846	167
Italy	17 649	2 625	4 192	16 087	8 839	150
Malta	10	41	1	51	42	104
Netherlands	652	6 359	4 958	2 363	2 273	139
Norway	28	631	6	653	637	136
Poland	2 645	1 585	2 064	2 605	1 946	51
Portugal	1 818	665	215	2 278	1 245	118
Russian Federation	3 757	7 383	127	10 703	9 391	66
Slovenia	264	211	115	367	275	137
Spain	15 984	1 763	6 828	11 038	4 480	103
Sweden	37	1 182	128	1 092	1 024	112
Turkey	12 356	361	3 189	9 528	7 998	111
United Kingdom	402	8 111	355	8 156	7 970	131
<b>Middle East</b>						
Iran	13 682	390	1 115	12 957	11 511	161
Kuwait	16	171	30	157	153	55
Saudi Arabia	1 650	1 617	672	2 595	2 598	108
United Arab Emirates	781	858	472	1 170	422	99

*Continued*

## 9.7 Supply and consumption of fruit, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	26 540	1 838	9 749	18 676	15 597	107
Mexico	15 615	832	2 419	14 028	12 338	116
<b>North America</b>	27 074	23 056	7 263	43 011	37 936	112
Canada	721	4 413	577	4 565	4 393	135
United States	26 353	18 638	6 685	38 440	33 536	110
<b>South America</b>	75 155	1 826	27 288	49 965	36 695	98
Argentina	8 229	407	3 050	5 606	2 746	70
Brazil	37 931	414	12 731	25 616	19 934	106
Chile	5 237	268	3 302	2 198	929	56
Uruguay	563	65	174	453	276	83
<b>Oceania</b>	4 796	1 126	1 175	4 745	2 801	103
Australia	3 594	748	459	3 883	2 179	106
New Zealand	1 063	327	704	683	464	112
<b>World</b>	542 101	109 326	108 940	544 133	440 222	68

<sup>a</sup> Annual average, 2005–2007. Includes oranges, mandarines, lemons, limes, grapefruit, other citrus, bananas, plantains, apples (excluding cyder), pineapples, dates, grapes (excluding wine) and other fruit. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.



## 9.8 Supply and consumption of meat, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	13 300	1 410	104	14 611	14 597	16
Egypt	1 437	276	1	1 712	1 712	22
Nigeria	1 235	1	0	1 236	1 236	9
South Africa	2 065	312	25	2 354	2 346	48
<b>Asia c</b>	106 134	8 140	2 630	111 670	111 212	28
China	71 434	2 098	1 509	72 048	72 000	54
India	4 255	1	494	3 761	3 754	3
Indonesia	2 369	58	8	2 419	2 416	11
Japan	3 095	2 895	6	5 983	5 878	46
Korea, Rep. of	1 751	819	35	2 535	2 535	53
Malaysia	1 247	191	18	1 421	1 306	50
Pakistan	2 166	7	11	2 162	2 162	13
Philippines	2 526	146	4	2 669	2 669	31
Thailand	2 157	4	338	1 823	1 822	27
Vietnam	3 180	77	15	3 241	3 241	38
<b>Europe</b>	52 664	17 005	14 144	55 343	54 751	75
Austria	960	272	358	874	865	105
Belgium	1 771	486	1 401	855	846	81
Czech Republic	718	258	95	881	875	86
Denmark	2 095	259	1 592	546	536	99
France	5 609	1 404	1 483	5 521	5 436	89
Germany	7 084	2 124	2 171	7 056	7 023	85
Greece	475	453	23	905	869	78
Italy	4 011	1 816	531	5 296	5 277	90
Malta	16	23	0	40	35	85
Netherlands	2 399	1 243	2 414	1 223	1 217	74
Norway	296	22	7	311	306	65
Poland	3 375	284	679	3 013	2 871	75
Portugal	717	295	49	963	937	88
Russian Federation	5 303	2 862	54	8 057	8 051	57
Slovenia	155	57	37	175	174	87
Spain	5 376	447	1 077	4 754	4 751	109
Sweden	528	254	71	710	707	78
Turkey	1 675	1	50	1 627	1 628	23
United Kingdom	3 402	2 420	575	5 246	5 180	85
<b>Middle East</b>						
Iran	2 216	56	13	2 259	2 259	32
Kuwait	73	157	0	230	230	83
Saudi Arabia	703	632	50	1 285	1 289	53
United Arab Emirates	87	288	28	350	333	79

*Continued*

## 9.8 Supply and consumption of meat, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	6 674	1 554	236	7 992	7 981	55
Mexico	5 419	1 371	132	6 658	6 658	63
<b>North America</b>	44 958	2 744	6 465	41 229	40 891	121
Canada	4 481	559	1 727	3 308	3 149	97
United States	40 477	2 177	4 738	37 913	37 737	123
<b>South America</b>	33 377	472	7 974	25 875	25 289	67
Argentina	4 410	40	782	3 668	3 553	91
Brazil	20 642	41	6 170	14 513	14 610	78
Chile	1 295	174	245	1 224	1 230	75
Uruguay	698	18	535	181	178	53
<b>Oceania</b>	5 530	260	2 712	3 079	2 963	109
Australia	4 036	134	1 749	2 420	2 399	116
New Zealand	1 443	57	960	540	457	110
<b>World</b>	263 659	31 999	34 271	261 216	259 044	40

<sup>a</sup> Annual average, 2005–2007. Includes beef and veal, mutton, goat meat, pigmeat, poultry meat and other meat and offal. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

## 9.9 Supply and consumption of eggs, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	2 345	48	6	2 387	2 000	2
Egypt	240	0	1	240	194	2
Nigeria	526	0	0	527	487	3
South Africa	405	1	1	405	316	7
<b>Asia <sup>c</sup></b>	37 794	263	374	37 692	33 695	9
China	24 993	97	107	24 983	22 687	17
India	2 710	0	99	2 620	2 297	2
Indonesia	1 213	4	0	1 216	1 003	5
Japan	2 521	55	0	2 575	2 450	19
Korea, Rep. of	560	4	0	564	487	10
Malaysia	464	1	65	400	319	12
Pakistan	453	1	1	452	385	2
Philippines	549	2	0	551	504	6
Thailand	817	2	15	804	621	9
Vietnam	207	0	1	205	189	2
<b>Europe</b>	10 039	1 195	1 147	10 083	9 229	13
Austria	92	34	9	116	113	14
Belgium	183	67	97	153	132	13
Czech Republic	90	34	10	113	94	9
Denmark	78	49	13	115	105	19
France	905	156	102	959	881	14
Germany	790	373	114	1 048	992	12
Greece	102	8	3	108	99	9
Italy	708	23	26	706	671	11
Malta	7	0	0	7	6	14
Netherlands	613	149	419	343	292	18
Norway	52	2	0	53	49	10
Poland	540	16	73	481	441	12
Portugal	120	14	13	121	100	9
Russian Federation	2 102	20	12	2 109	2 024	14
Slovenia	16	2	2	17	14	7
Spain	789	23	138	674	612	14
Sweden	99	13	4	109	101	11
Turkey	760	1	23	739	657	9
United Kingdom	610	98	14	695	620	10
<b>Middle East</b>						
Iran	715	0	23	693	569	8
Kuwait	23	17	0	40	36	13
Saudi Arabia	172	6	24	153	110	5
United Arab Emirates	17	30	2	45	40	10

*Continued*

## 9.9 Supply and consumption of eggs, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	2 492	30	7	2 515	2 142	15
Mexico	2 202	19	0	2 221	1 895	18
<b>North America</b>	5 770	35	160	5 644	4 771	14
Canada	399	28	18	410	362	11
United States	5 370	6	142	5 234	4 409	14
<b>South America</b>	3 568	17	40	3 546	2 889	8
Argentina	425	0	11	414	358	9
Brazil	1 814	1	24	1 792	1 426	8
Chile	129	0	0	129	109	7
Uruguay	43	0	0	43	37	11
<b>Oceania</b>	219	4	2	221	176	7
Australia	157	3	1	159	126	6
New Zealand	52	1	1	52	41	10
<b>World</b>	62 432	1 605	1 735	62 307	55 079	8

<sup>a</sup> Annual average, 2005–2007. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.  
 Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

# 9.10 Supply and consumption of seafood, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	8 053	2 848	2 262	8 659	7 833	8
Egypt	956	385	6	1 335	1 263	16
Nigeria	611	728	7	1 332	1 301	9
South Africa	705	119	273	552	389	8
<b>Asia <sup>c</sup></b>	84 586	22 539	16 121	91 088	71 277	18
China	45 245	10 275	7 682	47 844	34 602	26
India	6 777	136	666	6 253	5 765	5
Indonesia	6 103	360	938	5 524	5 190	23
Japan	4 782	5 799	599	9 982	7 744	61
Korea, Rep. of	2 054	1 723	581	3 196	2 526	53
Malaysia	1 385	515	447	1 474	1 330	51
Pakistan	579	2	198	383	308	2
Philippines	2 895	333	224	3 004	2 833	33
Thailand	3 959	1 485	2 546	2 927	2 134	32
Vietnam	3 367	547	1 070	2 844	2 247	26
<b>Europe</b>	15 320	21 960	16 825	20 657	15 027	21
Austria	3	153	15	142	111	13
Belgium	26	581	314	293	258	25
Czech Republic	25	170	27	168	107	10
Denmark	950	1 678	2 307	320	134	25
France	833	2 051	689	2 195	2 147	35
Germany	330	2 817	1 959	1 234	1 218	15
Greece	199	606	132	675	234	21
Italy	479	1 513	215	1 777	1 447	25
Malta	2	31	1	38	12	30
Netherlands	617	1 319	1 410	573	313	19
Norway	3 050	1 200	2 327	1 923	243	52
Poland	193	560	347	428	364	10
Portugal	218	592	170	641	583	55
Russian Federation	3 302	1 700	1 683	3 319	2 677	19
Slovenia	3	40	16	27	19	9
Spain	1 070	2 221	1 154	2 161	1 763	41
Sweden	262	634	554	378	261	29
Turkey	544	249	58	736	506	7
United Kingdom	849	1 882	837	1 894	1 244	20
<b>Middle East</b>						
Iran	554	31	37	547	497	7
Kuwait	5	31	0	36	33	12
Saudi Arabia	75	220	16	279	222	9
United Arab Emirates	91	83	84	110	99	23

Continued

## 9.10 Supply and consumption of seafood, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 873	571	520	1 928	1 362	9
Mexico	1 420	358	197	1 580	1 161	11
<b>North America</b>	6 565	5 679	3 301	8 972	8 167	24
Canada	1 220	890	1 036	1 096	772	24
United States	5 345	4 786	2 265	7 873	7 393	24
<b>South America</b>	16 275	1 028	13 331	5 121	3 229	9
Argentina	934	54	727	261	253	6
Brazil	1 043	375	108	1 310	1 216	6
Chile	4 990	97	4 507	1 518	334	20
Uruguay	123	29	115	36	32	10
<b>Oceania</b>	1 197	644	827	1 024	700	26
Australia	293	527	103	717	505	25
New Zealand	640	42	571	111	111	27
<b>World</b>	134 003	55 567	53 221	137 853	107 975	17

<sup>a</sup> Annual average, 2005–2007. Includes freshwater fish, demersal fish, pelagic fish, other marine fish, crustaceans, cephalopods and other molluscs. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

# 9.11 Supply and consumption of milk, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	34 210	6 271	425	40 048	36 208	38
Egypt	4 990	327	82	5 236	4 087	52
Nigeria	457	799	1	1 255	1 141	8
South Africa	2 947	205	58	3 081	2 764	57
<b>Asia <sup>c</sup></b>	226 264	18 386	4 650	239 425	197 654	50
China	36 106	2 274	682	37 699	35 140	26
India	99 417	12	907	98 522	77 014	67
Indonesia	906	1 814	239	2 481	2 380	11
Japan	8 143	1 979	22	10 101	9 744	76
Korea, Rep. of	2 205	479	13	2 671	1 246	26
Malaysia	46	1 459	339	1 166	1 058	41
Pakistan	30 957	133	41	31 047	26 405	156
Philippines	13	1 683	151	1 546	1 481	17
Thailand	845	1 087	280	1 644	1 598	24
Vietnam	247	731	3	976	968	11
<b>Europe</b>	214 906	47 467	59 650	202 682	160 009	219
Austria	3 162	884	1 623	2 437	1 893	229
Belgium	2 914	3 946	3 864	3 094	2 527	241
Czech Republic	2 788	565	966	2 386	2 045	200
Denmark	4 620	752	3 063	2 156	1 554	286
France	25 321	3 140	8 514	19 948	16 005	261
Germany	28 319	7 284	11 291	24 312	20 230	246
Greece	2 054	1 671	230	3 562	3 286	296
Italy	11 718	7 435	2 039	17 134	15 460	262
Malta	44	64	1	108	75	186
Netherlands	10 966	4 827	7 780	8 199	5 444	332
Norway	1 593	74	154	1 513	1 213	259
Poland	12 022	931	2 869	10 084	7 166	188
Portugal	2 066	778	329	2 515	2 317	219
Russian Federation	31 586	1 754	419	32 925	23 438	164
Slovenia	655	140	219	577	488	244
Spain	7 135	3 742	894	9 983	7 484	172
Sweden	3 135	776	524	3 387	3 325	365
Turkey	11 797	160	79	11 878	9 709	135
United Kingdom	14 271	5 029	2 583	16 717	14 810	244
<b>Middle East</b>						
Iran	7 395	65	106	7 355	4 577	64
Kuwait	46	285	12	292	278	100
Saudi Arabia	1 555	1 768	1 081	2 242	2 172	90
United Arab Emirates	100	1 059	144	486	445	105

*Continued*

## 9.11 Supply and consumption of milk, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	13 451	3 725	424	16 762	15 653	107
Mexico	10 266	2 979	155	13 094	12 165	114
<b>North America</b>	90 301	5 324	4 767	90 909	83 887	248
Canada	7 997	642	258	8 370	6 686	205
United States	82 302	4 674	4 508	82 530	77 194	253
<b>South America</b>	55 990	1 610	4 107	53 517	44 039	117
Argentina	10 301	47	2 207	8 141	7 599	194
Brazil	26 307	370	514	26 164	23 167	123
Chile	2 393	187	368	2 213	1 635	99
Uruguay	1 605	8	756	856	511	153
<b>Oceania</b>	25 141	848	16 989	8 999	5 263	194
Australia	9 933	650	4 958	5 489	4 755	230
New Zealand	15 143	90	12 030	3 337	408	98
<b>World</b>	661 473	84 802	91 027	654 726	544 865	84

<sup>a</sup> Annual average, 2005–2007. Excluding butter. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.  
 Source: Food and Agriculture Organisation, FAOSTAT nutrition data.



# 9.12 Supply and consumption of vegetable oils, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	6 462	6 612	1 120	12 012	8 001	9
Egypt	214	945	19	1 152	399	5
Nigeria	2 664	360	25	3 000	2 133	15
South Africa	353	812	29	1 107	692	14
<b>Asia <sup>c</sup></b>	71 063	26 945	35 290	61 695	34 507	9
China	16 389	8 691	425	24 800	11 174	8
India	8 058	5 048	369	12 327	9 399	8
Indonesia	18 663	81	13 618	5 222	1 850	8
Japan	1 770	938	20	2 689	2 005	16
Korea, Rep. of	248	789	21	944	715	15
Malaysia	17 859	1 346	17 765	1 608	383	15
Pakistan	1 077	1 810	123	2 590	1 887	11
Philippines	1 659	282	1 080	861	336	4
Thailand	1 216	122	426	760	438	7
Vietnam	206	451	5	652	246	3
<b>Europe</b>	19 787	22 362	14 447	26 958	12 485	17
Austria	161	340	106	380	174	21
Belgium	615	1 638	1 375	872	235	22
Czech Republic	303	196	152	325	207	20
Denmark	189	550	359	384	33	6
France	1 646	1 758	1 049	2 340	1 248	20
Germany	3 565	4 069	1 817	5 179	1 399	17
Greece	523	256	181	592	288	26
Italy	1 295	2 120	762	2 736	1 627	28
Malta	0	9	0	8	3	8
Netherlands	1 058	4 024	3 643	1 538	290	18
Norway	83	192	90	184	75	16
Poland	607	537	244	850	452	12
Portugal	305	216	142	349	186	18
Russian Federation	2 558	1 046	592	3 036	1 704	12
Slovenia	3	75	19	58	26	13
Spain	2 011	1 217	1 044	2 249	1 195	27
Sweden	116	594	276	413	138	15
Turkey	1 259	1 189	310	1 940	1 496	21
United Kingdom	910	1 696	484	2 112	1 079	18
<b>Middle East</b>						
Iran	379	1 270	163	1 232	671	9
Kuwait	0	79	4	65	42	15
Saudi Arabia	23	549	62	482	378	16
United Arab Emirates	73	546	396	169	34	8

*Continued*

## 9.12 Supply and consumption of vegetable oils, by selected country <sup>a</sup>

*continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 822	1 313	561	2 590	1 522	10
Mexico	1 140	887	69	1 977	1 164	11
<b>North America</b>	13 834	3 329	3 490	13 996	9 801	29
Canada	1 887	496	1 282	1 192	797	24
United States	11 947	2 832	2 208	12 803	9 003	29
<b>South America</b>	16 540	1 680	10 767	7 141	5 328	14
Argentina	7 829	31	7 045	427	552	14
Brazil	6 567	264	2 723	4 112	3 182	17
Chile	54	145	9	236	163	10
Uruguay	12	32	3	41	31	9
<b>Oceania</b>	400	479	186	674	497	18
Australia	329	332	136	522	435	21
New Zealand	2	116	7	108	41	10
<b>World</b>	130 003	63 170	65 873	125 603	72 501	11

<sup>a</sup> Annual average, 2005–2007. From soyabeans, groundnuts, sunflowerseed, rapeseed, mustardseed, cottonseed, palm kernels, palm, copra, sesameseed, olives, maize germ and other oil crops. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.  
 Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

# 9.13 Supply and consumption of animal fats, by selected country <sup>a</sup>

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	586	479	75	1 019	703	1
Egypt	140	31	2	169	168	2
Nigeria	42	169	0	211	47	0
South Africa	45	50	9	86	31	1
<b>Asia <sup>c</sup></b>	9 462	1 899	254	11 115	8 567	2
China	3 490	765	70	4 186	2 849	2
India	3 182	22	17	3 187	3 033	3
Indonesia	97	26	29	94	113	1
Japan	439	188	7	620	227	2
Korea, Rep. of	239	166	8	398	138	3
Malaysia	18	17	3	32	30	1
Pakistan	712	128	0	840	822	5
Philippines	223	38	0	269	225	3
Thailand	40	30	10	58	51	1
Vietnam	133	23	2	154	152	2
<b>Europe</b>	11 536	4 165	4 272	11 542	8 031	11
Austria	276	44	93	226	154	19
Belgium	539	571	429	681	297	28
Czech Republic	192	54	41	205	112	11
Denmark	359	187	295	251	139	26
France	1 319	395	596	1 135	1 072	17
Germany	2 196	491	676	2 040	1 720	21
Greece	100	54	7	147	42	4
Italy	620	279	166	740	624	11
Malta	3	2	0	6	4	10
Netherlands	441	408	676	208	144	9
Norway	106	232	29	310	71	15
Poland	837	46	183	700	551	14
Portugal	149	28	31	146	138	13
Russian Federation	1 182	401	45	1 536	975	7
Slovenia	39	3	5	37	33	16
Spain	763	296	178	897	210	5
Sweden	197	53	81	169	155	17
Turkey	162	191	19	334	159	2
United Kingdom	428	305	211	531	429	7
<b>Middle East</b>						
Iran	271	48	4	314	252	4
Kuwait	5	12	1	16	11	4
Saudi Arabia	24	62	31	55	40	2
United Arab Emirates	3	22	10	15	16	4

*Continued*

## 9.13 Supply and consumption of animal fats, by selected country <sup>a</sup> *continued*

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total <sup>b</sup>	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	397	811	21	1 187	466	3
Mexico	291	619	5	905	372	4
<b>North America</b>	8 172	275	1 942	6 529	2 347	7
Canada	1 179	137	393	939	598	18
United States	6 993	137	1 549	5 590	1 749	6
<b>South America</b>	2 623	503	834	2 368	1 012	3
Argentina	344	24	296	134	134	3
Brazil	1 347	17	54	1 310	544	3
Chile	226	340	58	508	64	4
Uruguay	101	6	97	10	9	3
<b>Oceania</b>	1 362	77	1 072	358	239	9
Australia	749	54	555	239	168	8
New Zealand	609	11	517	103	59	14
<b>World</b>	34 181	8 321	8 471	34 276	21 416	3

<sup>a</sup> Annual average, 2005–2007. Includes butter, ghee, cream, raw animal fats, fish body oil and fish liver oil. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.

Source: Food and Agriculture Organisation, FAOSTAT nutrition data.

# 10 Selected economic and demographic information – key countries

	2009							
	Population		Age structure (in years)			Gross domestic product a		
	million	Growth rate %	0–14 %	15–64 %	65+ %	US\$b	Per person US\$	Agriculture contribution %
<b>Africa</b>								
Egypt	78.9	2.0	33	63	4	470	6 000	13.7
Nigeria	149.2	2.0	42	56	3	353	2 400	33.1
South Africa	49.1	0.3	29	66	5	489	10 000	3.0
<b>Asia b</b>								
China	1 338.6	0.7	20	72	8	8 791	6 500	10.6
India	1 156.9	1.4	31	64	5	3 561	3 100	17.0
Indonesia	240.3	1.1	28	66	6	969	4 000	15.3
Japan	127.1	-0.2	14	64	22	4 141	32 600	1.6
Korea, Rep. of	48.5	0.3	17	72	11	1 343	27 700	3.0
Malaysia	25.7	1.7	31	64	5	379	14 700	9.4
Pakistan	174.6	1.6	37	59	4	448	2 600	20.8
Philippines	98.0	2.0	35	61	4	325	3 300	14.9
Thailand	66.0	0.6	21	71	9	540	8 100	11.6
Vietnam	88.6	1.1	26	68	6	258	2 900	21.3
<b>Europe</b>								
Austria	8.2	0.1	15	68	18	323	39 400	1.5
Belgium–Luxembourg	10.4	0.1	16	66	18	381	36 600	0.6
Czech Republic	10.2	-0.1	14	71	16	257	25 100	2.3
Denmark	5.5	0.3	18	66	16	198	36 200	1.2
France	64.1	0.6	19	65	16	2 113	32 800	1.8
Germany	82.3	-0.1	14	66	20	2 812	34 200	0.9
Greece	10.7	0.1	14	67	19	339	32 100	3.4
Italy	58.1	-0.1	14	66	20	1 756	30 200	1.8
Malta	0.4	0.4	16	69	15	10	23 800	1.7
Netherlands	16.7	0.4	17	68	15	3	39 000	1.6
Norway	4.7	0.3	19	66	15	277	59 300	2.1
Poland	38.5	-0.1	15	72	13	686	17 800	4.6
Portugal	10.7	0.3	16	66	18	232	21 700	2.7
Russian Federation	140.0	-0.5	15	72	14	2 117	15 200	4.7
Slovenia	2.0	-0.1	14	70	17	56	28 200	2.5
Spain	40.5	0.1	15	67	18	1 368	33 700	3.3
Sweden	9.1	0.2	16	66	19	333	36 800	1.6
Turkey	76.8	1.3	27	67	6	860	11 200	9.3
United Kingdom	61.1	0.3	17	67	16	2 165	35 400	1.2
<b>Middle East</b>								
Iran	66.4	0.9	22	73	5	876	12 900	10.9
Iraq	28.9	2.5	39	58	3	112	3 600	9.6
Kuwait	2.7	3.6	26	71	3	149	55 800	0.3
Saudi Arabia	28.7	1.9	38	60	3	581	20 300	3.0
United Arab Emirates	4.8	3.7	20	79	1	200	41 800	1.1

Continued

# 10 Selected economic and demographic information – key countries

*continued*

	2009									
	Growth rate	Age structure (in years)			Gross domestic product <sup>a</sup>			Agriculture contribution		
		million	%	0–14	15–64	65+	US\$b		Per person	US\$
<b>North America</b>										
Canada	33.5	0.8	16	69	15	1 287	38 400	2.3		
Mexico	111.2	1.1	29	65	6	1 473	13 200	4.3		
United States	307.2	1.0	20	67	13	14 260	46 400	1.2		
<b>South America</b>										
Argentina	40.9	1.1	26	64	11	558	13 800	6.0		
Brazil	198.7	1.2	27	67	6	2 024	10 200	6.1		
Chile	16.6	0.9	23	68	9	244	14 700	5.6		
Uruguay	3.5	0.5	22	64	13	44	12 600	9.3		
<b>Oceania</b>										
Australia	21.3	1.2	19	68	14	819	38 500	4.1		
New Zealand	4.2	0.9	21	67	13	117	27 700	4.6		
Papua New Guinea	5.9	2.1	37	59	4	13	2 300	33.5		
<b>World</b>	6 810.0	1.1	27	65	8	70 240	10 500	6.0		

<sup>a</sup> Purchasing power parity. <sup>b</sup> Not including Middle East countries.

Source: Central Intelligence Agency, *World Factbook*.







