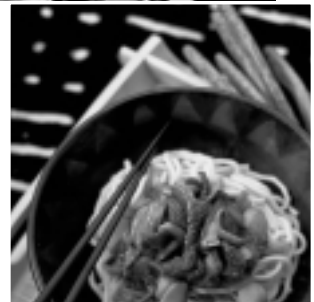
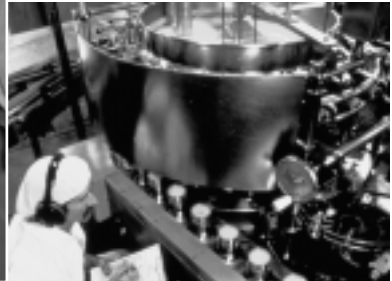




**AUSTRALIAN**

# Food

*Statistics 2000*



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# Foreword

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I welcome this publication as the first of its kind for the Australian food industry. It provides a comprehensive set of data on food industry production and trade throughout the supply chain from the farm gate to retail sale. It captures all levels of processing from raw agricultural product to highly processed food. I would like to recognise the contribution of the Australian Bureau of Agricultural and Resource Economics in compiling and analysing these statistics.

The Government's transfer of policy responsibility for the processed food and beverage industry to Agriculture, Fisheries and Forestry – Australia in 1999 enables the Minister and the Department to pursue an integrated approach to the entire food production chain. The processed food and beverage industry is Australia's largest manufacturing industry and a significant employer, particularly in rural and regional Australia. A world class food processing capability will be an essential driver of Australia's food export performance in the future.

But food processing is only part of the story. Australia's food industry brings together elements of primary industry, biotechnology, packaging, transport, marketing, retail and the food service

industries to deliver value to customers both in Australia and around the world.

The food industry is operating in a changing and increasingly global environment. A major source of competitive advantage will be the development of innovative approaches to exporting and marketing, new processes and new products. This book is designed to meet the information needs of the food industry, policy makers and researchers in analysing and capturing these opportunities.

I believe this book, and its annual updates, will play an important role in underpinning a globally competitive, innovative and export oriented food industry which will contribute to increasing national prosperity and the well being of all Australians.



MICHAEL J TAYLOR  
*Secretary*  
Agriculture, Fisheries and Forestry –  
Australia

June 2000

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# Acknowledgments

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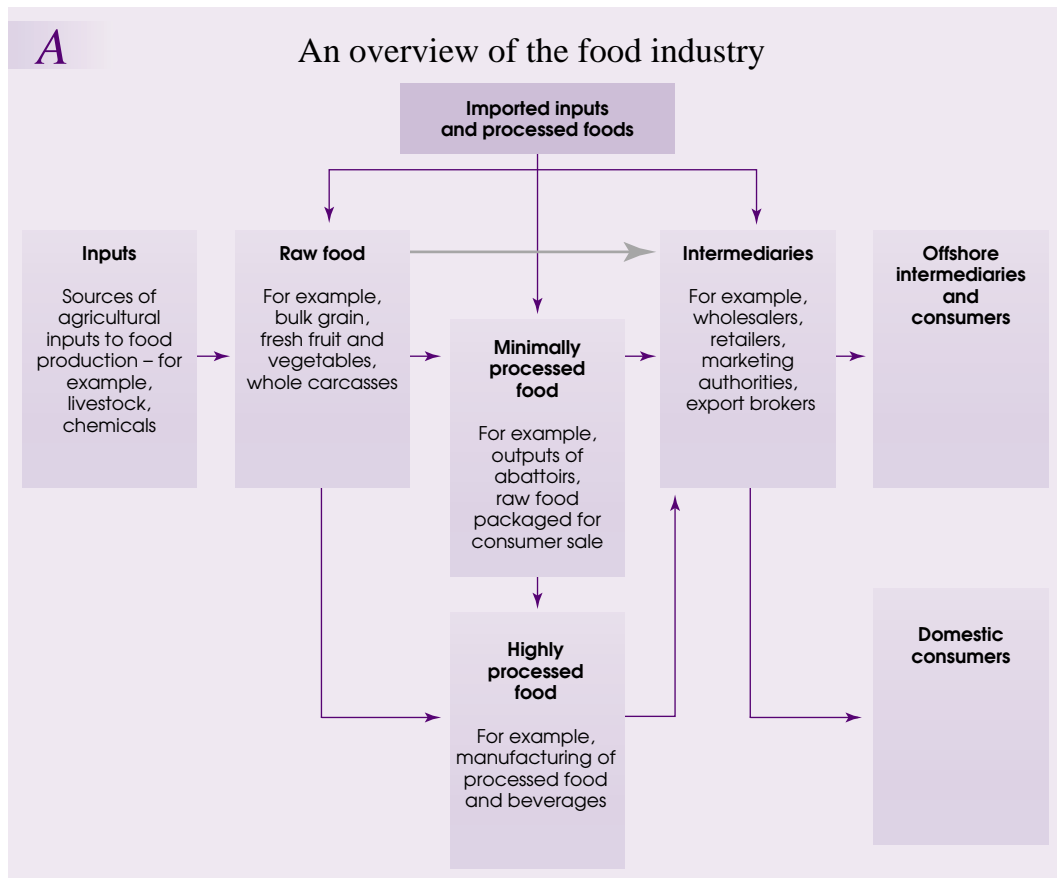


# 1. An overview of the Australian food industry

A statistical overview of the Australian food industry, from the initial production in the farm sector, through the various transformations undertaken in the supply chain, through to the final consumer markets for those foods in Australia and overseas markets is provided in this report. The relationships between the various components of the food industry are shown in figure A.

inantly arid, Australia has a range of climates and land types, ranging from northern tropical areas, through high rainfall coastal regions to arid and semiarid climates, most of which are used for food production. The seafood industry is similarly characterised by a diversity of production in relatively small volumes.

The food industry encompasses a wide range of products. Although predom-



## 2. The rural production sector

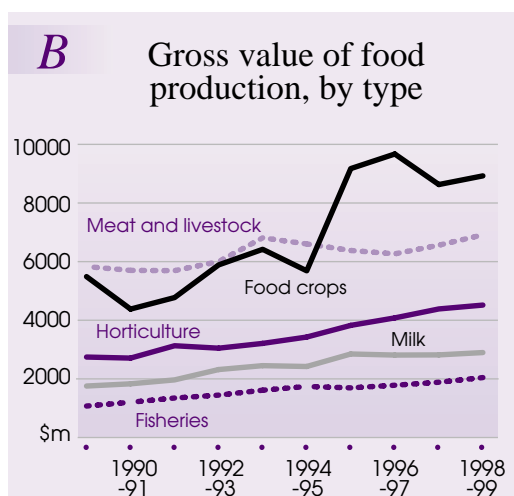
Around 86 per cent of the total value of Australian rural production comes from food. In 1998-99, the total value of food production was \$26.7 billion, an increase of nearly 22 per cent in constant dollar terms over the previous ten years. Moreover, production has become more diverse, with a range of industries, including wine and other horticulture, oilseeds and aquaculture, all becoming more important in the 1990s (figure B and tables 1.1 and 1.2 in the full set of tables in the statistical part of this report). While beef accounted for almost a quarter of the value of all farm food production in 1989-90, its contribution had fallen to 18 per cent in 1998-99.

The deterioration in the wool industry outlook over the 1990s was one factor in the increased focus on food production, particularly in the grains industry. Between 1989-90 and 1997-98 the number of specialist grain farms increased by 104 per cent while the number of sheep specialist farms fell by 51 per cent.

New industries were established in the late 1980s and 1990s. For example, new

crops in the fruit and vegetables industry, introduced to take advantage of new market opportunities, include Asian vegetables, nashi pears, lychees, olives, herbs and a number of new varieties increasing in demand in both overseas and domestic markets. In the seafood industry a range of new aquaculture activities, such as farming of Atlantic salmon and the growing out of wild caught southern bluefin tuna have been established. As a result, the value of aquaculture industry production grew from \$88 million in current prices in 1989-90 to \$420 million in 1998-99.

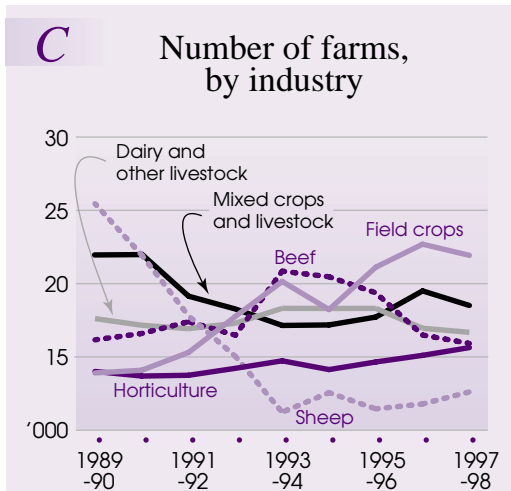
There have been other major changes in the production sector, including more vertical integration between the production, processing and marketing sectors. This is best illustrated in the wine industry, but is becoming increasingly common across a range of other agricultural sectors. This trend may accelerate with the reduced use of statutory marketing arrangements in the agricultural sector, and with the development of alternative marketing and sourcing arrangements, such as through the internet.



### Number of farms

Between 1989-90 and 1997-98 the number of farms producing food products fell by around 7 per cent to 107 000 (see table 1.3). While the number of specialist sheep farms declined by 51 per cent in this period, the number of enterprises based on field crop production increased by nearly 60 per cent (figure C).

The number of horticultural enterprises increased by 12 per cent in the period, with the main increases being in the number of grape growers (up 42 per cent) in southern states and fruit producers in tropical areas. While the number of apple and pear



enterprises fell by 8 per cent and vegetable growers by 7 per cent, there were increases in the number of other fruit producing enterprises (up 17 per cent), mainly in the more tropical regions, where the focus is on producing exotic fruits.

### Farm employment

There has been a long term decline in the number of persons directly employed in agriculture. Most of this decline has been in inland regions. In the decade to 1996,

employment in agriculture, forestry and fishing in inland and remote regions each fell by 15 per cent. In coastal regions it fell by around 3 per cent.

Over the five years to 1997-98 the total number of persons employed in agriculture declined by an average 1.1 per cent a year (see table 1.4). The largest falls occurred in the sheep-beef and beef specialist industries where employment numbers fell on average by almost 9 per cent and 6 per cent a year respectively. There was increased employment in the mixed livestock-crops and cotton industries.

While there has been a downward trend in employment in the farm sector, there have been exceptions, mainly in areas with strongly growing new industries. For example, in 1996-97, in the Eyre Peninsular region of South Australia, aquaculture development (tuna farming, abalone and oyster industries) directly provided 400 new jobs and around 600 other jobs directly servicing the industry. By comparison, direct employment in the sheep and grains industries of the region was around 2600 (Econsearch 1998).



# 3. Food processing

With around 4000 business establishments and turnover of \$47 billion in 1997-98 (ABS 1999b), the processed food and beverages industry is the largest manufacturing sector in Australia. Employment in the industry amounted to almost 170 000 in 1997-98.

While Victoria (30.5 per cent) and New South Wales (29.6 per cent) had the largest food processing turnover, the industry was important to the economy of all Australian states (see table 3.4).

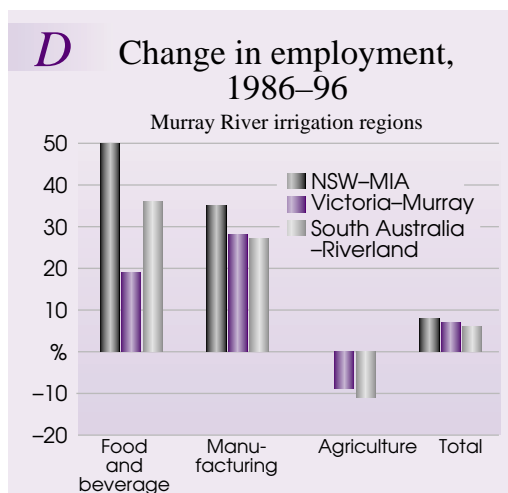
Processed food industries make a notable contribution to the economies of regional (nonmetropolitan) areas of Australia through employment, business spending and the generation of service opportunities. Around 41 per cent of the employment in the food processing industries in 1996 was in nonmetropolitan regions, and a quarter of this was in inland areas.

The largest two food processing sectors in terms of employment in nonmetropolitan areas were meat processing, which provided 25 per cent, and bakery products, a further 13 per cent, of food processing industry employment.

Moreover, employment in the food processing industry has been growing in

regional areas. Between the 1986 and 1996 census, the number of persons employed in food manufacturing increased by 51 per cent in inland regions, 16 per cent in coastal regions, and by 4 per cent in remote regions — an overall increase of 23 per cent.

In some regions, the growth in food processing industries has maintained the absolute numbers of people employed, despite declining employment in farm



## A Employment in Australia, by selected industry and region

	Inland		Remote		Coastal	
	1996 no.	Growth 1986-96 %	1996 no.	Growth 1986-96 %	1996 no.	Growth 1986-96 %
<b>Commodity industries</b>						
Agriculture, forestry and fishing	163 850	-15.2	35 187	-15.4	137 275	-3.4
<b>Service industries</b>						
Retail and wholesale trade	205 211	16.9	29 243	14.6	1 299 327	19.0
Accommodation, cafes and restaurants	54 597	45.5	12 836	40.7	299 763	73.0
<b>All industries</b>	1 134 159	9.3	223 553	12.4	6 269 330	19.2

Source: ABS Census of Population and Housing.

production. For example, in the Murray River irrigation regions, there was a fall in agricultural employment in both the Riverland and the Victorian Murray areas but growth in both the processed food industry and manufacturing, resulting in moderate employment growth overall in the region. In the Murrumbidgee Irrigation Area, employment in agriculture was stable between 1986 and 1996 and there was a large increase in food processing employment (figure D).

Growth in the Australian wine industry has also boosted the food processing sector. In 1998-99 there were 1197 wineries, 28 per

cent more than in 1995-96. Growth in wine exports has been equally impressive, with the value of exports doubling in the three years, to be worth just over \$1 billion in 1998-99.

The food industry contributes to rural areas in other ways. As examples, there has been strong growth in rural employment in the retail and wholesale trade (where food is a large component) and in the hospitality industries in coastal, inland and remote regions (table A).



# 4. Food retailing

Australian food sales for domestic consumption were valued at \$58.5 billion in 1998-99, nearly 43 per cent of total retail turnover. The retail sector (supermarkets and grocery stores) accounted for around 68 per cent of sales and achieved annual sales growth of 5.5 per cent over the three years ended 1998-99. Sales varied widely between states, with stronger growth in Western Australia, Victoria and New South Wales. Food sales through other retail food outlets (such as delicatessens, greengrocers and butchers) have been growing relatively strongly in some states, but have generally been losing market share to supermarkets.

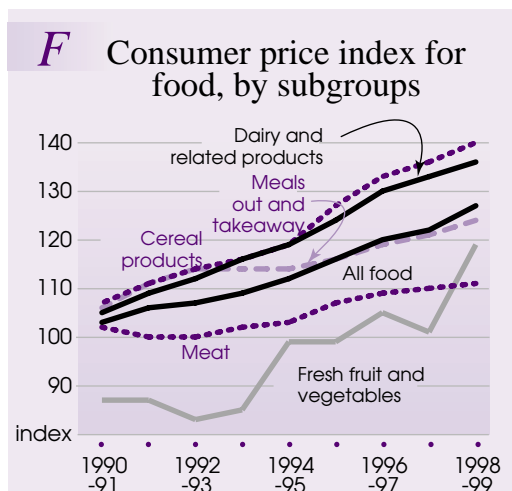
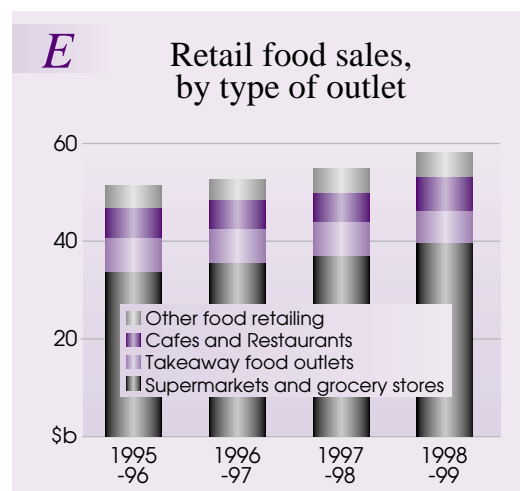
The 'eating out' sector is an important part of the food industry. Total sales by the restaurant sector was estimated at around \$7 billion (12 per cent of total food sales) and have been growing at around 4 per cent a year. Takeaway food outlets have fared less well. While they represented 11 per cent of food sales in 1998-99, sales fell over the three years from 1995-96 (figure E and table 4.1).

Australia's grocery retail market share held by the three big supermarket chains (Coles, Woolworths and Franklins and their

affiliates) has increased from around 40 per cent in 1970 to nearly 80 per cent of the retail grocery market, but this share varies widely between products. For example, for beef retail sales the share of supermarkets increased from about 20 per cent in 1988 to 40 per cent in 1998. By comparison, around 75 per cent of poultry was sold by supermarkets over the period.

## Food price changes

Between 1989-90 and 1998-99, Australian retail food prices (as measured by the ABS consumer price index) rose by 22 per cent, an average of less than 3 per cent a year. This was similar to changes in the aggregate index (21.8 per cent) in the period. Movements in food prices were below the movements in health services costs but above the movements of indexes for both clothing and housing (see table 4.2). Within the food index, bread and milk costs increased the most, while meat prices (particularly for poultry) were the most stable over the period (figure F, table 4.3).



# 5. Australian trade in food

Australian agricultural food industries have long had a strong export trade focus. Total food exports were worth \$17.4 billion in 1998-99, an average annual increase of 5.4 per cent in constant dollar terms over the ten years to 1998-99. In 1998-99, food represented nearly 16 per cent of total goods and services exported by Australia. Imports have shown similar growth but were valued at \$4.4 billion (3.2 per cent of total imports) in 1998-99, with the result that the net value of food exports in that year was \$13 billion (figure G, tables 5.1 and 5.2).

Australian food production is, in general, strongly export oriented, but the relative importance of export and domestic markets varies widely between products. In 1998-99, for example, wheat (74 per cent of production exported), lupins (70 per cent) and barley (84 per cent) all had a strong export market focus while canola, maize and sorghum were mainly used domestically (see tables 2.1 and 2.2). Most of the increasing wholemilk production was used for manufacturing dairy products for export (see table 2.3). In the meat industry

the importance of export markets ranged from 64 per cent of beef exported, 70 per cent of mutton, 32 per cent of lamb to 4 per cent of poultry meat and 1 per cent of pig meats (see table 2.4).

Strong growth in both the volume and value of exports have been key factors behind the expansion in the wine industry and some other horticultural products, such as tropical fruits. While aggregate production in the seafood industry has been relatively stable (and determined by the sustainability of its natural resource base), strong overseas demand and a weaker Australian dollar against overseas currencies has resulted in strong growth in the value of industry production.

A key trend in the 1990s was the growth in the use of airfreight to deliver foods fresh to overseas markets. In 1998-99 over 115 000 tonnes of fresh produce was airfreighted into Asia from Australia, valued at nearly A\$820 million. While airfreight was used for around 6.5 per cent of the total volume of food exports to the region, airfreighted products contributed nearly 16 per cent of the value of food exports. Seafood and horticultural products were the main products airfreighted. For example, over 60 per cent of Australia's rock lobster export trade, valued at \$450 million in 1998-99, were exported live by air to maximise the value added to the catch.

## Australian food exports

The composition of Australia's food exports changed significantly over the 1990s. Comparison of the average share of total food exports held by individual foods in the three years 1996-97 to 1998-99 with that of the three years 1989-90 to 1991-92 allows the main changes to be identified (figure H).





Key growth areas in relative terms between the two periods were in dairy and wine exports, which increased in share by 4 and 3 percentage points respectively. By comparison, meat exports declined by nearly 11 percentage points.

Grains, oilseeds, minimally transformed seafood, fruit and vegetables, and live animal exports all increased their market share, while substantially processed seafood and sugar exports all fell in importance. As a result, the share of minimally transformed food increased to average around 38 per cent for the three years ended 1998-99, compared with 30 per cent in the three years to 1991-92.

The trend toward exporting more Australian food in minimally processed form (as opposed to more substantially transformed products) contrasts with world food changes, where trade in processed food grew more strongly (Instate 2000). While there is a strong policy emphasis on maximising the net value of Australian food exports, to ensure that the benefits of trade are maximised, this may often occur through minimal processing of some foods.

## Australian food export markets

Australian food trade is focused mainly on north Asian Pacific rim countries. APEC countries accounted for around 65 per cent of Australia's food exports in the three years to 1998-99. While Japan and the United States are the most important export destinations for Australian food, their shares of Australia's food exports declined in the 1990s (figure I) as diversification to a range of other markets increased, particularly to Asia. Sales to the United Kingdom also grew strongly, with the expansion of wine exports.

The ASEAN (Association of South East Asian Nations) market grew at a trend growth rate of 4.7 per cent a year over the decade. At the same time, the importance of the North American market declined, with sales to NAFTA (North American Free Trade Agreement) member countries falling at 6.5 per cent a year over the period. Food exports to the European Union remained stable, averaging around 10 per cent of the total value of exports. Figure J shows the importance of food trade with member





countries of the key regional trade agreements (discussed in section 7).

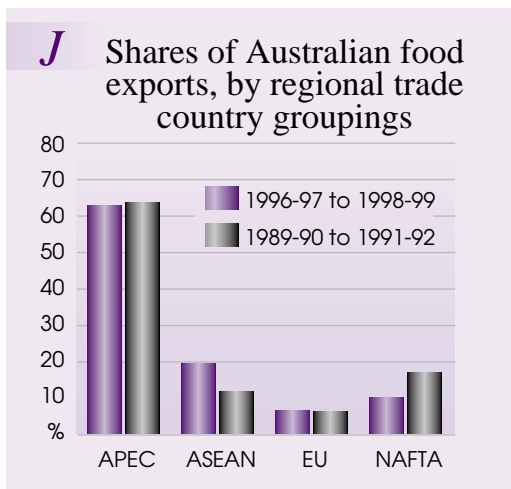
### Australian food imports

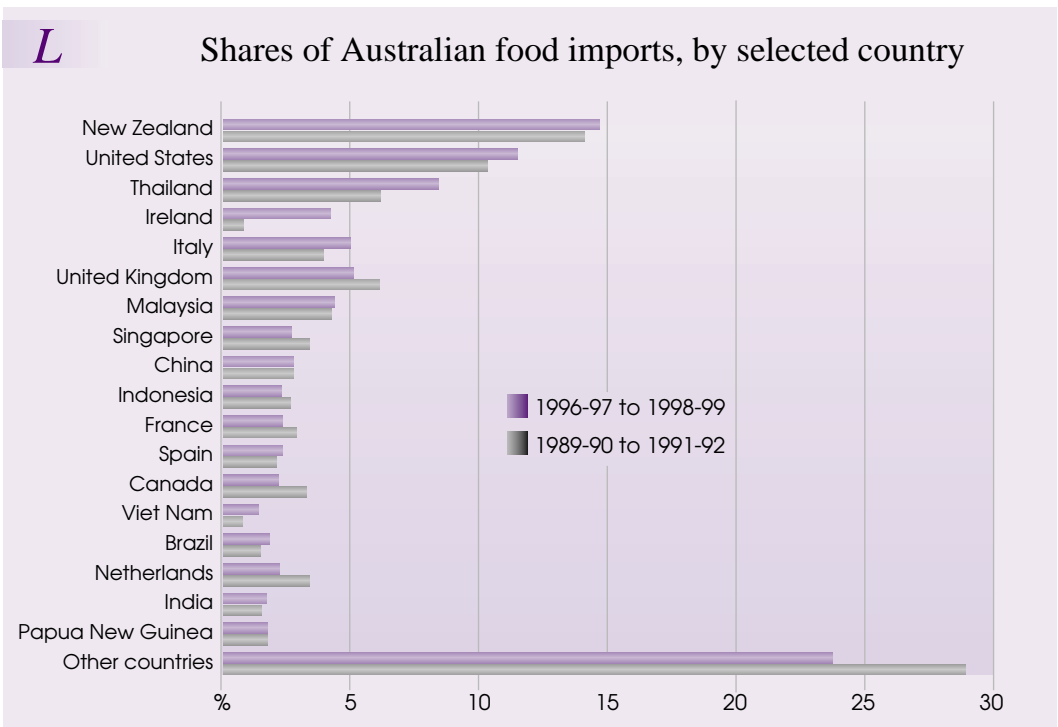
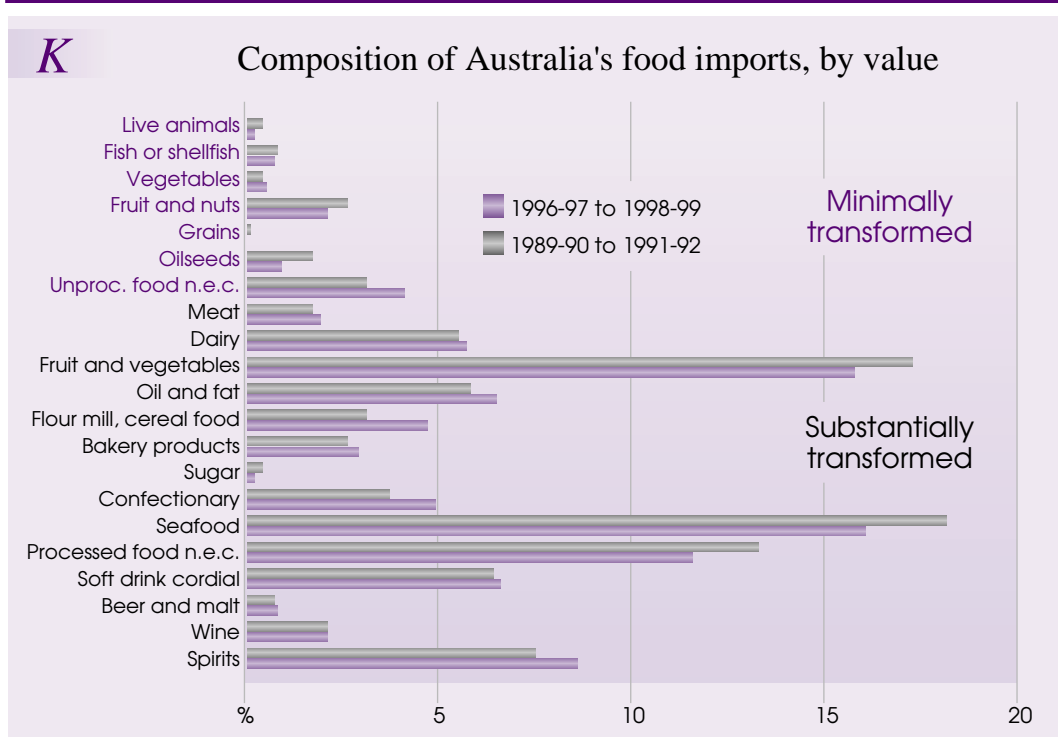
Australia imports foods for various reasons, including to increase the variety of products available to consumers, to increase aggregate or seasonal supplies, or because they

are cheaper. While the total value of Australia's imports increased over the decade there was little change in the composition of those imports (figure K).

The largest two import items were fruit and vegetables, and seafoods, both of which complement Australian supplies. For example, Australia is a net exporter of fisheries products but relies on imports to provide consumers with high volume fish suited to processing (such as hake) that are not caught in Australian waters. A range of fruits are imported to enhance the product range and reduce the impact of seasonality of domestic supplies.

New Zealand, the United States and Thailand were the main suppliers of imported food to the Australian market and all increased their market share over the decade (figure L). New Zealand is Australia's most important supplier of food imports, with a 14 per cent share of the Australian food market over the decade, reflecting an advantage over other countries in proximity and its relationship with Australia under the Closer Economic Relations Agreement (CER).



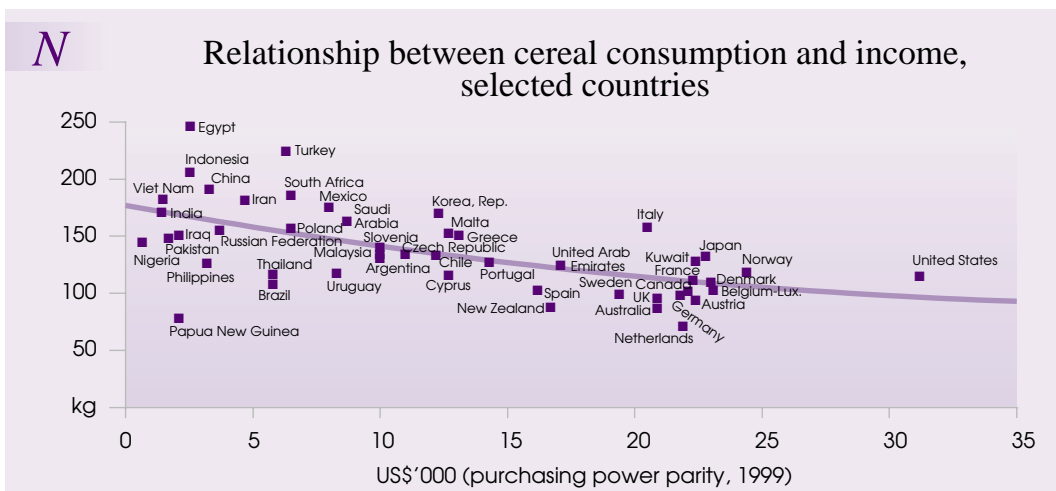
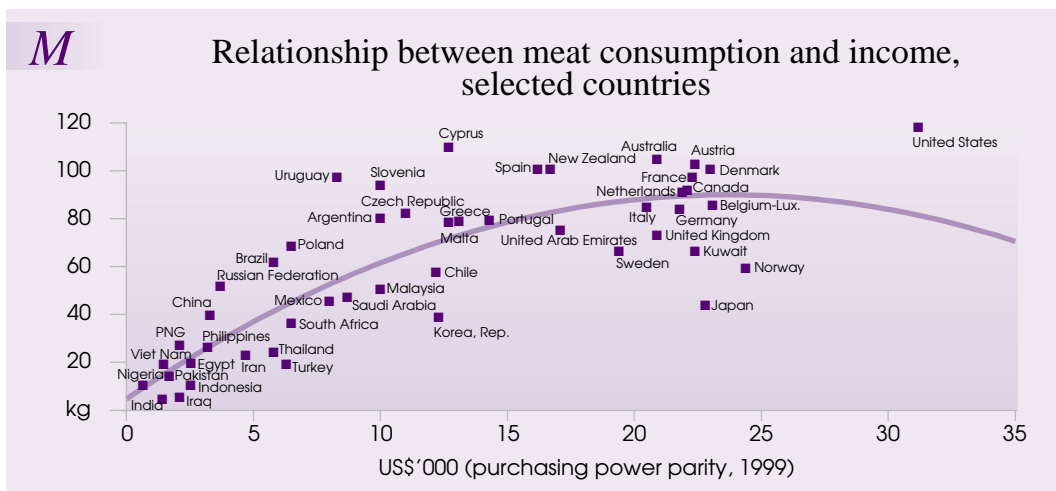


# 6. World food consumption

Demand for foods is influenced by a range of factors, including price relativities between substitute products, and incomes. However, over the longer term, the impacts of a number of other factors, such as changing demographic factors, taste changes, increasing urbanisation and domestic food policy developments can all have major impacts on food demand.

Factors influencing demand change over time and are likely to vary between different countries and regions (Smith, Brown and McKelvie 1992).

The food trade opportunities resulting from longer term income growth often may not be readily apparent from aggregate statistics. For many foods, the key impact of income growth may be in the substitution of



higher quality foods within the group, rather than increased per person consumption of that food group. For example, in Australian wine, seafood and meat trade, increased demand for quality (and a willingness to pay for the higher quality foods) is often more important than the changes in volume.

There is generally a strong relationship between consumption of foods and incomes. However, the nature of that relationship may differ widely between foods and between countries. For example,

from figure M, which shows the per country consumption of meat and gross domestic product per person, it can be seen that meat consumption per person generally rises as income per person increases but at a decreasing rate. By comparison, in the case of cereals (figure N), consumption per person generally declines as income per person increases.



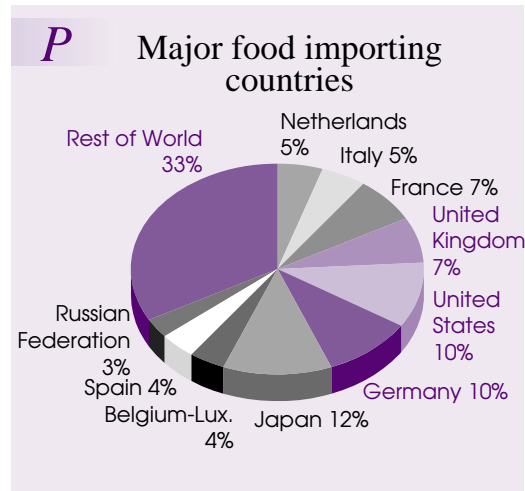
# 7. Nature of world food trade

## Australia's place in world food markets

Australia ranks as the eleventh largest exporter in terms of shares in the value of world food export trade. However, with Australia's focus on unprocessed food exports, it is the sixth largest exporter of unprocessed food, while it ranks seventeenth for processed food. Australia ranks first in net trade terms (the value of exports less the value of imports).

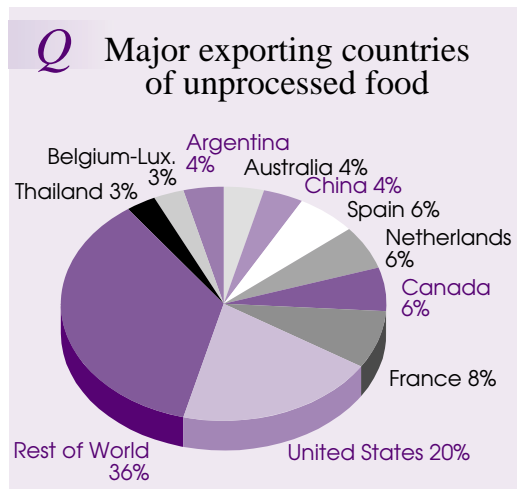
Annual world trade in food — both processed and unprocessed — averaged US\$402 billion over the period 1994 to 1998 (see table 8.2). The United States is the largest food exporter of both agricultural and processed foods, with 13 per cent of average total food exports over the period. EU member countries (including France, the Netherlands, Germany, Belgium and the United Kingdom) were all prominent exporters (figure O).

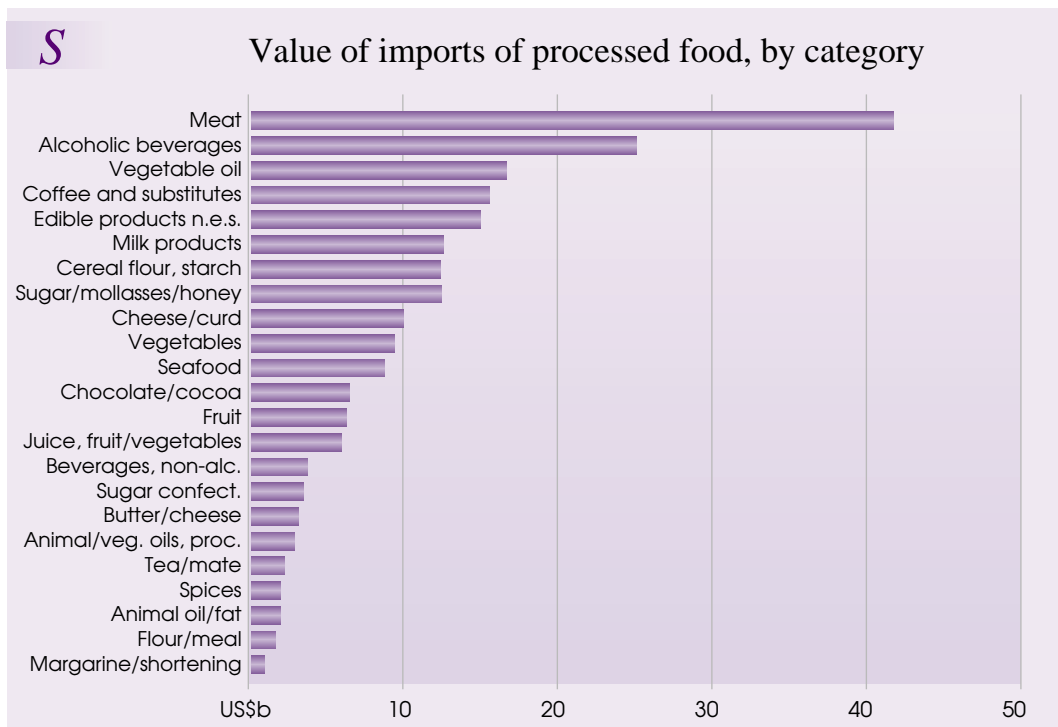
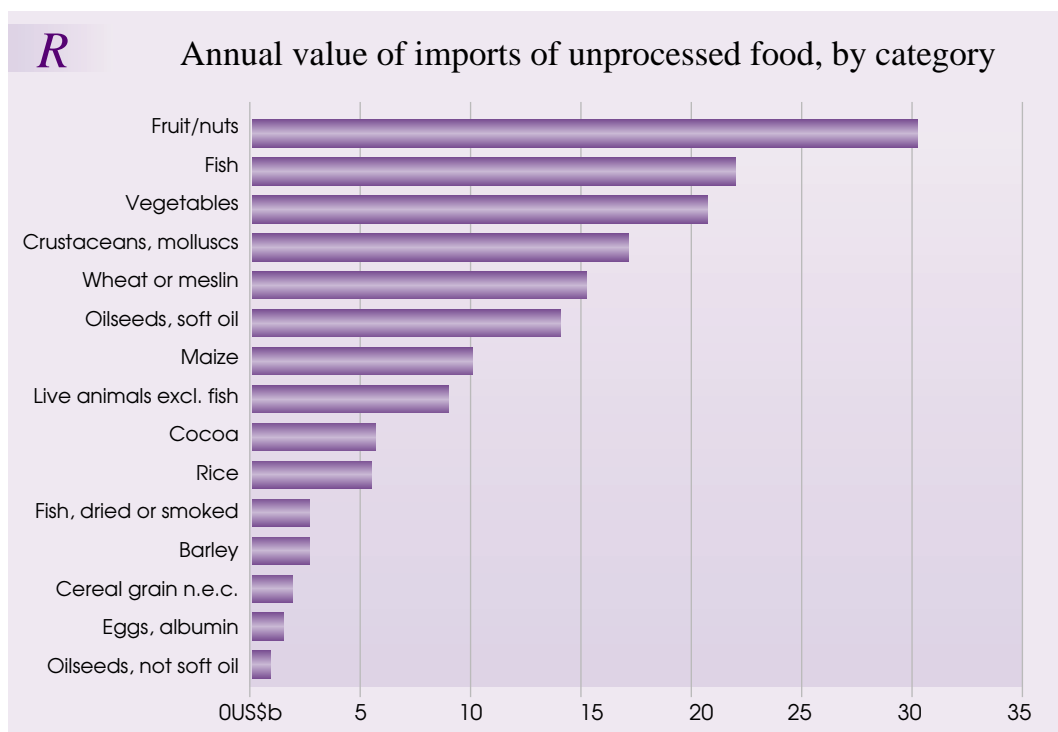
Japan is the largest food importer of both agricultural and processed food, with 12 per cent of world trade, while the United States

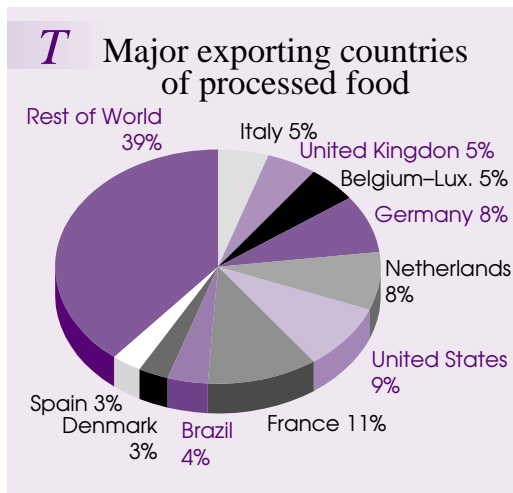


and EU member countries were also large food importers (figure P)

The United States is the main exporter of unprocessed food in value terms (figure Q), while Japan is the largest importer of unprocessed food by a clear margin.







Horticultural products, seafood and grain and oilseeds are the main unprocessed foods entering world trade (figure R).

Food in processed forms makes up over 60 per cent of total world trade in food in terms of value and this trade is growing more rapidly than for unprocessed food. The main processed foods are meat, alcoholic beverages, vegetable oils and coffee (figure S).

The main exporters of processed food were the United States and EU countries, France (the largest exporter), Netherlands and Germany (figure T).



# 8. Regional trade agreements

A number of trade arrangements have been instituted between (often nonexclusive) groups of countries to promote trade and other interests. There are five major arrangements that potentially influence Australian food trade.

## European Union

The European Union is a treaty based institutional framework covering economic and political cooperation among its European member countries (EU 2000). The current EU member states are: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden and the United Kingdom.

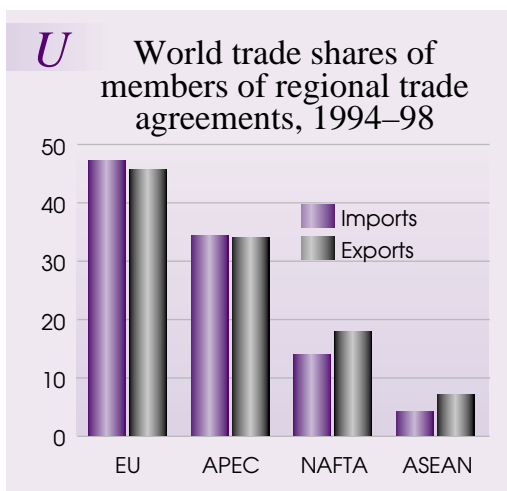
Membership is likely to increase from its current fifteen to more than twenty soon after 2000, with countries such as Cyprus, Czech Republic, Estonia, Hungary, Poland, and Slovenia seeking membership.

The European Union has a major influence on world food trade through the size of the European food market (figure U), its maintenance of common high tariff barriers to imports from nonmember countries and a common agricultural policy (CAP). Under the CAP, subsidies to European agriculture cost around US\$80 billion (almost 50 per cent of total EU expenditures) in 1996 (Roberts et al. 1999).



## Asia Pacific Economic Cooperation

Asia Pacific Economic Cooperation (APEC) is an association of economies that share the boundaries of the Pacific Ocean. Members of APEC are: Australia; Brunei Darussalam;



Canada; China; Chinese Taipei; Chile; Hong Kong, China; Indonesia; Japan; the Republic of Korea; Malaysia; Mexico; New Zealand; Papua New Guinea; Peru; the Philippines; the Russian Federation; Singapore; Thailand; Viet Nam; and the United States.

APEC's formal agenda is wide ranging and covers trade and investment liberalisation, business facilitation, economic and technical cooperation and policy consultation across the spectrum of economic, social and environmental fields (DFAT 2000). The APEC Leaders Summit in Bogor in 1994 established APEC's goal of free and open trade and investment in industrialised economies by 2010 and developing economies by 2020.

The Asia Pacific remains one of the fastest growing regions in the world. APEC's 21 member economies had a combined gross domestic product of over US\$16 trillion in 1996 and handled one third of global trade.





## North America Free Trade Agreement

The North America Free Trade Agreement (NAFTA) is a program of trade liberalisation between the United States, Canada and Mexico that was implemented in January 1994 (see US Department of Agriculture 1998a for the text of the agreement). It consists of three bilateral agreements between the signatory countries on cross border trade — that is, United States–Canada, United States–Mexico and Canada–Mexico agreements.

Tariffs on most agricultural products traded between the United States and Canada were eliminated in January 1998 but will remain in place for certain products previously subject to nontariff barriers. In particular, Canada continues to protect its dairy, poultry and egg industries. The bilateral agreement between Mexico and Canada requires elimination of most tariffs by 2008 but tariffs affecting trade in dairy, poultry, eggs and sugar will be maintained.

Restrictions on about half of all US agricultural exports to Mexico were eliminated with the implementation of NAFTA in 1994. Under the agricultural provisions of NAFTA, all tariffs, quotas and licences that restrict agricultural trade between the United States and Mexico are to be progressively eliminated. All restrictions are due to be eliminated by 2008. In 1998, US farm and food exports to Mexico and Canada were, respectively, US\$5.9 billion and US\$7.0 billion (US Department of Agriculture 1998b). This represented nearly a quarter of annual US agricultural exports.

The NAFTA arrangements include an agreement on sanitary and phytosanitary standards that requires that regulations for the protection of food safety and plant and animal health to be consistent with internationally acceptable safety standards.

NAFTA arrangements are relevant to the Australian sugar industry's access to the US sugar market and on world market prices. A tariff rate quota is the main instrument of protection for the US sugar industry, used to limit the supply of sugar to the domestic industry. Mexico is exempt from some of the tariffs applied (Sheales et al. 1999).

## Association of South East Asian Nations

The Association of South East Asian Nations (ASEAN) was established in 1967 with the signing of the Bangkok declaration by the five original member nations (Indonesia, Malaysia, Philippines, Singapore, and Thailand).

The current member countries are Brunei Darussalam, Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Myanmar, the Philippines, Singapore, Thailand and Viet Nam.

The objectives of ASEAN are to accelerate the economic growth, social progress and cultural development in the region through joint endeavors. ASEAN also has provision for effective collaboration in agriculture and industries and expansion of trade.

The ASEAN Free Trade Agreement (AFTA) was signed in 1992, giving effect to a phased common preferential tariff on trade between ASEAN members on un-processed agricultural products starting from 1996. Tariff reductions on other products are due to be completed by 2003.



## Australia–New Zealand Closer Economic Relations

Implementation of this agreement, giving effect to free trade between the two countries was commenced in 1983 and committed both countries to the gradual elimination of tariffs on trans-Tasman trade by 1988 and import quotas by July 1995. Around 80 per cent of the value of trade was already free of tariffs by CER's inception (Bureau of Industry Economics 1995). The major reductions occurred in manufacturing industries although trade in some foods, particularly dairy products, was affected by the agreement.



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# Statistical tables



# About the data

## Australian commodity production and gross values

Estimates of farm crop production are based on information obtained from the Australian Bureau of Statistics' Agricultural Commodity Surveys conducted at 31 March each year from 1997-98. Prior to 1997-98 this information was collected annually in the Agricultural Census. Information covering commodities such as livestock slaughtering and dairy produce is obtained from separate collections and from organisations such as the Australian Dairy Corporation.

Gross values are derived by multiplying the production quantity data by price (or unit value) data. All crop price information is obtained from non-ABS sources such as marketing boards, marketing reports, wholesalers, brokers and auctioneers. Price information for livestock slaughtering is obtained from ABS collections.

Estimates from the Agricultural Commodity Surveys are based on production from farms having an estimated value of agricultural operations (EVAO) of \$5000 or more.

- The EVAO of a farm is calculated by applying three year average weighted prices to livestock turnoff and livestock numbers on the farm, and to area and production data for crops. The aggregation of these commodity values is the EVAO.

This is the same scope as that used for the Agricultural Censuses from 1993-94 to 1996-97. Prior to 1993-94 the scope varied. Details are available from the ABS.

## Australian trade

Data on international merchandise trade movements to and from Australia are collected by the Australian Customs Service, as part of its responsibility to administer government policy on tariffs and barrier control.

The merchandise trade statistics are compiled by the Australian Bureau of Statistics according to classifications that conform to an international standard, the International Harmonised Commodity Description and Coding System (HS), with extra detail to meet Australian statistical needs.

- All exports are classified according to the Australian Harmonised Export Classification (AHECC).
- All imports are classified according to the Harmonised Tariff Item Statistical Code (HTISC), with extra detail to meet Australian Customs Service and statistical needs.

Restrictions are placed on the release of trade statistics where the data relating to an individual or organisation is likely to enable the identification of trade of that individual or organisation, and that entity has requested that the data be suppressed.

- The main confidentiality restrictions that apply to food trade statistics are that no country details are provided for exports of unprocessed sugar, bulk wheat and malting barley.

The method of valuation for trade is:

- the value of exports is the free on board (fob) transactions value of the goods expressed in Australian dollars;
- the value of imports is the Australian Customs value. Goods are valued at the point of containerisation (in most cases) or the port of shipment, or at the customs frontier of the exporting country, whichever comes first.

## World trade in food

The data on world food trade in food — both imports and exports — were obtained from the COMTRADE database that is established and maintained by the United Nations Statistics Division.

- More than 100 countries supply their updated trade statistics to this database, representing over 90 per cent of world trade.
- The data are recorded according to the Harmonised Commodity Description and Coding System and Standard International Trade Classification Revision 3.

## World food balances

The data on country food balances were obtained from the FAOSTAT database of the Food and Agriculture Organisation of the United Nations (FAO).

- Details of how standardised food balance sheets are derived are provided in FAO (2000).

The elements of an FAO food balance sheet are:

- production, imports and changes in stocks that together define the supply available to a country; and

- exports, livestock feed, seed use, industrial use, human consumption and losses during storage and transport that together add up to total utilisation.

FAO food balance sheets are standardised in order to reduce the amount of data for analytical purposes. Standardisation takes the form of:

- conversion of processed commodities back to their primary equivalents (so-called 'vertical standardisation'); and
- aggregation of similar products, for example chicken meat and turkey meat aggregated as poultry meat (so-called 'horizontal standardisation').

To keep the amount of data contained in *Australian Food Statistics* to manageable proportions, FAO food balance data reported are further simplified in two ways:

- only data at the major food type level of aggregation (thirteen different categories in all) are reported (FAOSTAT has 78 different food types); and
- some elements of the food balance sheets are omitted — such as feed use, industrial use and losses in transport.



# Selected information sources

## General

Agency	Publication or source	Description
<b>Australian</b>		
Australian Bureau of Agricultural and Resource Economics (ABARE)	<i>Australian Commodity Statistics 1999</i> , December (annual)	Compendium of statistics providing a comprehensive coverage of current and historical data on price, production and export information, covering most agricultural commodities.  Also included is comprehensive information on farm sector output and employment, balance of trade figures and macroeconomic indicators.  Up to 40 years of historical data are provided.
www.abareconomics.com.au	<i>Australian Commodities</i> (quarterly)	A journal containing: <ul style="list-style-type: none"> <li>• an overview of the performance of and prospects for the Australian primary commodities sector;</li> <li>• forecasts for the major agricultural, minerals and energy industries;</li> <li>• comprehensive statistical tables covering production, export, cost and price information;</li> <li>• macroeconomic indicators;</li> <li>• articles on topical economic issues.</li> </ul>
	<i>Australian Fisheries Statistics 1999</i> , February (annual)	Compendium providing information on production and trade for the Australian fishing industry for the three year period ended 1998-99. Also includes a profile of Commonwealth and state fisheries.
	<i>Australian Horticulture in the Global Environment</i> , February 2000	Research report profiling over twenty horticultural products exported by Australia, providing information on Australian production and exports, major markets and competitors, and the trade policies of key markets.
Australian Bureau of Statistics (ABS)	AusStats at:  www.abs.gov.au/Ausstats/ABS@.nsf/w2.3.1?OpenView	An Internet based information service providing ABS's full product range (both free and charged material) online. Includes: <ul style="list-style-type: none"> <li>• all ABS publications from 1998 onwards;</li> <li>• over 2000 spreadsheet tables with time series data.</li> </ul>
www.abs.gov.au	Food Info Australia	AFFA's website providing online access to processed food and beverage industry statistics and Commonwealth government policy information.
Agriculture, Fisheries and Forestry – Australia (AFFA)		
www.affa.gov.au/foodinfo		

## AUSTRALIAN FOOD INDUSTRY

Agency	Publication or source	Description
Australian Horticultural Corporation	<i>Australian Horticultural Statistics Handbook</i> 1999-2000 (annual)	Handbook highlighting production in Australia and competitor countries and exports from Australia to major markets for a range of horticultural commodities. Also includes statistics on per person consumption and main horticultural imports to Australia.
Pig Research and Development Corporation (www.prdc.com.au) and Australian Pork Corporation	<i>PigStats 98</i>	Compilation of pig industry statistics focusing on pig industry structure, farm performance and a range of information on trade and consumption.
Meat Research Corporation	<i>Lamb Industry Insights</i> , December 1997	A statistical compendium for the lamb industry providing a range of information relating to the product on farm and at the retail, food service and export levels.
<b>World</b>		
International Grains Council  www.igc.org.uk	<i>World Grain Statistics</i> 1997-98 (annual)	Report containing 45 detailed tables on production, trade, consumption, stocks and prices for wheat (including durum and wheat flour) and coarse grains. Additional tables deal with ocean freight rates. Most tables cover a 10-year period.
Food and Agriculture Organisation of the United Nations  www.fao.org	FAOSTAT By subscription on CD-ROM or online at apps.fao.org. There is limited free use allowed of the online version.	An on-line and multilingual database currently containing over 1 million time-series records for 210 countries and territories covering international (210 countries and territories) statistics for: production; trade; food balance sheets; food aid shipments; fertiliser and pesticides; land use and irrigation; forest products; fishery products; and population.
Central Intelligence Agency of the United States of America  www.cia.gov	<i>World Fact Book 1999</i> (annual). Available in printed, CD-ROM, or online (free) at:  www.cia.gov/cia/publications/factbook/index.html	Compendium containing, for virtually every country in the world, information on their geography, people, government, economy, communications, transport, military and transnational issues.

## Australian food processing industry

Agency	Publication or source	Description
Australian Bureau of Statistics www.abs.gov.au	<i>Manufacturing Industry</i> , cat no. 8221.0, 8221.1, 8221.2, 8221.3, 8221.4, 8221.5, 8221.6.(quarterly)  Available on AusStats at: www.abs.gov.au/Ausstats/ABS@nsf/w2.3.1?Open view	Information on the Australian processed food industry, including data on employment, wages and salaries, turnover and industry gross production. The data are classified by state and selected major commodities together with aggregate data for the last two years.  An internet based information service providing ABS full product range (both free and charged material) online.
Agrifood Media Pty Ltd cath.mckean@co31.aone.net.au	<i>Australian Food</i> , 2nd edition 1999	Book providing details on the structure of food processing, food safety and regulations, retailing market shares, selected food industries and industry organisations, trade directory.



## Australian retail food industry

Agency	Publication or source	Description
Australian Bureau of Statistics  www.abs.gov.au	<i>Retail Trade</i> , cat. no. 8501.0 (quarterly)  Available on AusStats at: www.abs.gov.au/Ausstats/ABS@nsf/w2.3.1?Open view	Information on the Australian retail food industry including data on retail turnover by subgroup, such as, supermarkets and grocery stores, takeaway outlets, other food retailing, other retailing, hospitality services, such as cafes and restaurants, hotels and licensed clubs etc.  An internet based information service providing ABS full product range (both free and charged material) online.
Retail World Pty Ltd www.retailworld.com.au	<i>Grocery Industry Marketing Guide 2000</i>	Annual publication covering market shares, by product group suppliers, retail developments.



## Australian retail food prices

Agency	Publication or source	Description
Australian Bureau of Statistics  www.abs.gov.au	<i>Consumer Price Index</i> , cat. no. 6401.0 (quarterly)  <i>Average Retail Prices of Selected Items</i> , cat. no. 6403.0  Available on AusStats at: www.abs.gov.au/Ausstats/ABS@nsf/w2.3.1?Open view	Information on the Australian retail food prices and consumer price indexes industry including data on retail prices by subgroup, such as dairy products, grain products, meat and seafood, fruit and vegetables, processed fruit etc. for the last five years. Information on consumer price indexes includes data by subgroups, such as food, clothing, housing, transport, health and personal care etc. and by food group, such as dairy and related products, cereal products, meat and seafoods fruit, other food etc.  An Internet based information service that provides ABS full product range (both free and charged material) online.



## Australian trade

Agency	Publication or source	Description
<p>Australian Bureau of Statistics</p> <p>www.abs.gov.au</p>	<p><i>International Merchandise Trade</i>, cat. no. 5422.0. (quarterly)</p> <p>Available on AusStats.</p>	<p>Information on the value of Australia's merchandise exports and imports with major trading partners, including data classified by state, broad economic category, industry of origin and selected major commodities together with aggregate data on trade with major trading partners for the last twelve years.</p>
	<p>AusStats at: www.abs.gov.au/Ausstats/ABS@.nsf/w2.3.1?OpenView</p>	<p>An Internet based information service providing ABS' full product range (both free and charged material) online.</p>
<p>Australian Department of Foreign Affairs and Trade (DFAT)</p> <p>www.dfat.gov.au</p>	<p><i>Composition of Trade Australia</i> (published twice yearly in calendar year and financial year format.)</p> <p>Extract available free online at: www.dfat.gov.au/publications/statistics.html</p>	<p>A compendium of statistics on merchandise exports and imports, analysing the growth, direction and commodity breakdown of Australia's trade over the last five years. It also includes individual reports showing the composition of trade with over eighty of Australia's trading partners.</p>
	<p><i>Direction of Trade, Time Series</i> (annual)</p>	<p>Contains value and percentage shares of Australia's exports to, and imports from, every one of our trading partners on a consistent basis over a twenty year period. It also includes total trade and trade balances with each of these countries.</p>
<p>Supermarket to Asia</p>	<p>Trade Statistics at: www.supermarkettoasia.com.au/trade/stats</p>	<p>A range of statistics and analysis on Australia's food and fibre exports to Asia. Includes food market profiles for a number of key Asian markets.</p>



## World food trade

Agency	Publication or source	Description
<p>International Trade Centre, an organisation operated jointly by the World Trade Organisation (WTO) and United Nations Conference on Trade and Development (UNCTAD)</p> <p><a href="http://www.intracen.org">www.intracen.org</a></p>	<p>Trade statistics at:</p> <p><a href="http://www.intracen.org/infobase/itcinfb.htm">www.intracen.org/infobase/itcinfb.htm</a></p> <p>Also available on CD-ROM with data for the five-year time-series, 1994-1998. (This data are obtained taken from the Commodity Trade Statistics Data Base (COMTRADE) of the United Nations Statistics Division.)</p>	<p>International trade statistic (imports and exports) by:</p> <ul style="list-style-type: none"> <li>- section and product group, 1994-98.</li> <li>- country and product group, 1994-98.</li> </ul> <p>Has coverage of over 100 reporting countries and territories representing about 90 per cent of world trade.</p> <p>The data are recorded according to the Harmonised Commodity Description and Coding System (HS 96 and HS 88) and Standard International Trade classification (Rev.3, Rev.2 and Rev.1).</p>
<p>United Nations Statistics Division</p> <p><a href="http://www.un.org/Depts/unsd/index.html">www.un.org/Depts/unsd/index.html</a></p>	<p>Infobases at:</p> <p><a href="http://www.intracen.org/infobase/itcinfb.htm">www.intracen.org/infobase/itcinfb.htm</a></p> <p><i>International Trade Statistics Yearbook</i> (annual)</p>	<p>Also includes information on product classification and trade performances by country.</p> <p>As well as trade statistics, contains market briefs, information on trade contacts and information sources.</p> <p>Volume I provides historical information on the external trade performance of individual countries in terms of current values and, if available, exchange rate, as well as quantum and unit value indexes. Information showing important commodities traded by an individual country (latest four years) and the country's trade with its major trading partners and regions (latest five years) are also shown. Summary tables for each country show imports by broad economic categories, exports by industrial origin and the percentage share of the country's top ten trading partners and selected regions in relation to its total trade. This volume contains data for 168 countries or reporting customs areas.</p> <p>Volume II contains selected commodity tables showing total world trade of those commodities analysed by regions and countries, as well as various specialised tables.</p>



## World food consumption

Agency	Publication or source	Description
Food and Agriculture Organisation of the United Nations  <a href="http://www.fao.org">www.fao.org</a>	FAOSTAT  By subscription on CD-ROM or online at <a href="http://apps.fao.org">apps.fao.org</a> . There is limited free use allowed of the online version	An online and multilingual database currently containing over 1 million time series records for 210 countries and territories covering international (210 countries and territories) statistics for: production; trade; food balance sheets; food aid shipments; fertiliser and pesticides; land use and irrigation; forest products; fishery products; and population.
Central Intelligence Agency of the United States of America  <a href="http://www.cia.gov">www.cia.gov</a>	<i>World Fact Book 1999</i> (annual) Available in printed, CD-ROM, or online (free) at:  <a href="http://www.cia.gov/cia/publications/factbook/index.html">www.cia.gov/cia/publications/factbook/index.html</a>	Compendium containing, for virtually every country in the world, information on their geography, people, government, economy, communications, transport, military and transnational issues.
International Monetary Fund	<i>International Financial Statistics Yearbook</i> (annual with monthly updates)	Source of international statistics on all aspects of international and domestic finance. It reports, for most countries of the world, current data needed in the analysis of problems of international payments and of inflation and deflation — that is, data on exchange rates, international liquidity, international banking, money and banking, interest rates, prices, production, international transactions, government accounts, and national accounts.



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

	Unit	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
<b>Crops</b>							
<b>Grains</b>							
Wheat	kt	8 903	16 504	23 702	19 417	22 108	24 058
Barley	kt	2 913	5 823	6 696	6 482	5 680	4 280
Oats	kt	924	1 875	1 653	1 634	1 874	1 473
Triticale	kt	182	469	674	633	483	551
Maize	kt	242	325	398	271	322	322
Sorghum	kt	1 272	1 591	1 425	1 081	1 664	1 329
Rice	kt	1 137	951	1 388	1 331	1 390	1 084
Lupins (albus only)	kt	1 076	1 559	1 560	1 380	1 421	1 542
Field peas	kt	240	530	466	305	298	357
Chickpeas	kt	69	287	278	191	160	187
Mung beans	kt	13	17	45	32	50	44
Navy beans	kt	8	6	5	5	6	6
Faba beans	kt	50	119	123	135	133	166
Lentils	kt	2	17	38	36	46	103
<b>Oilseeds</b>							
Canola	kt	264	557	642	860	1 761	2 400
Sunflowerseed	kt	112	69	163	98	209	129
Soybeans	kt	28	44	82	93	109	105
Cottonseed	kt	796	933	860	941	1 012	983
Other oilseeds	kt	44	81	68	64	75	76
<b>Other</b>							
Sugarcane	kt	34 943	37 436	39 938	41 064	40 128	39 940
Peanuts	kt	23	38	38	39	39	35
<b>Horticulture</b>							
<b>Fruit</b>							
Apples	kt	317	281	353	309	309 e	na
Pears	kt	159	156	168	153	179 e	na
Nashi	kt	7	7	6	7	na	na
Avocado	kt	16	16.4	20.1	20.2	24.7 e	28 f
Melons	kt	146	152	163	166	na	na
Pineapples	kt	139	128	123	123	na	na
Bananas	kt	208	220	200	223	na	na
Kiwifruit	kt	4	3.4	3.4	3.9	na	na
Mangoes	kt	30	27.2	32.4	36.6	20.3 e	na
Wine grapes	kt	630	883	798	951	1 101	1 198
Table and dried grapes	kt	310	212	363	196	269	422
Oranges	kt	651	439	589	566	448	515
Mandarins	kt	70	71	83	81	94	91
Lemons/limes/grapefruit	kt	60	49.0	55.0	51.2	45.0	43
<b>Nuts and berries</b>							
Almonds	kt	6	5	7	8	8 e	na
Chestnuts	t	617	686	664	505	950 e	1 200 f
Macadamia	kt	18	21	25	23	29 e	30 f
Berries a	kt	34	36	29	29	31	na

*Continued*

## 1.1 Agricultural food production, by commodity (continued)

	Unit	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
<b>Horticulture (continued)</b>							
<b>Stonefruit</b>							
Peaches	kt	59	60	72	65	na	na
Nectarines	kt	17	18	22	23	na	na
Apricots	kt	30	22	26	20	na	na
Plums	kt	21	21	25	26	na	na
Cherries	kt	6	5	7	7	na	na
<b>Vegetables</b>							
Potatoes	kt	1 122	1 308	1 286	1 372	na	na
Onions	kt	200	244	196	219	236 e	234 f
Carrots	kt	239	250	257	267	na	na
Asparagus	kt	6	7	8	8	na	na
Broccoli	kt	32	38	41	40	na	na
Cauliflower	kt	66	71	64	65	na	na
Tomatoes	kt	340	371	393	380	395 e	na
Mushrooms	kt	39	45	47	48	49 e	51 f
Lettuce	kt	92	107	111	129	na	na
Capsicum/chillies	kt	28	30	32	31	na	na
Cabbage	kt	76	76	66	63	na	na
Beans	kt	29	32	38	36	na	na
Other	kt	297	331	309	318	na	na
<b>Livestock slaughterings</b>							
Cattle and calves	'000	8 268	7 934	8 442	9 322	9 100	8 536
Sheep	'000	17 500	14 581	14 340	16 299	14 393	14 508
Lambs	'000	15 289	14 223	14 579	14 954	16 053	16 503
Pigs	'000	5 317	5 017	4 796	5 091	5 176	4 992
Poultry meat	million	332	342	357	373	381	395 f
<b>Livestock products</b>							
Milk	ML	8 206	8 716	9 036	9 439	10 178	10 780
<b>Fisheries products</b>							
Tuna	kt	9	9	13	12	17	19
Other fish	kt	127	124	129	135	126	136
Prawns	kt	28	29	28	30	30	26
Rock lobster	kt	17	16	16	17	19	20
Abalone	kt	5	5	5	5	6	6
Scallops	kt	15	16	6	6	7	5
Oysters	kt	9	10	10	9	9	9

a Includes strawberries, raspberries, blackberries, blueberries and blackcurrants. e Industry estimate. f Industry forecast. na Not available.

Sources: ABARE, *Australian Crop Report*, 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, *Summary of Crops*, cat. no. 7330.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Australian Horticultural Corporation, *Australian Horticulture Statistics Handbook, 1999-2000*, Sydney; Australian Citrus Growers Incorporated, *Annual Report 1999*, Adelaide; ABARE.

## 1.2 Value of agricultural food production, by commodity

	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Crops</b>						
<b>Grains</b>						
Wheat	2 127	4 305	4 878	3 716	3 935	4 233
Barley	621	1 319	1 231	1 022	796	723
Oats	166	289	227	223	190	154
Triticale	182	469	674	633	483	551
Maize	59	69	80	52	54	55
Sorghum	242	320	257	183	228	182
Rice	264	197	270	300	296	233
Lupins (albus only)	194	315	330	261	234	256
Field peas	71	145	132	93	86	87
Chickpeas	38	104	119	94	64	91
Mung beans	11	13	19	19	40	29
Faba beans	19	50	53	45	45	53
<b>Oilseeds</b>						
Canola	97	208	222	378	703	789
Sunflowerseed	43	26	54	34	54	34
Soybeans	12	18	34	38	42	34
Cottonseed	169	171	161	189	203	207
Other oilseeds	8	19	11	12	15	16
<b>Other</b>						
Sugarcane	1 202	1 153	1 147	1 193	993	854
<b>Total crops</b>	<b>5 526</b>	<b>9 190</b>	<b>9 899</b>	<b>8 487</b>	<b>8 461</b>	<b>8 582</b>
<b>Horticulture</b>						
<b>Fruit</b>						
Apples	270	305	378	273	258 p	na
Pears	73	91	106	108	na	na
Nashi	20	20	14	20	na	na
Avocado	40	38	42	46	na	na
Melons	75	74	84	93	na	na
Pineapples	43	36	39	37	na	na
Bananas	255	225	217	230	na	na
Kiwifruit	6	5	6	6	na	na
Mangoes	73	73	70	81	na	na
Wine grapes	345	548	532	716	773	767
Table and dried grapes	153	210	190	238	na	na
Oranges	215	219	256	254	na	na
Mandarins	71	71	86	76	na	na
Lemons/limes/grapefruit	30	37	40	33	na	na
Other fruit	19	27	39	29	na	na
<b>Nuts and berries</b>						
Almonds	29	40	39	43	46 e	na
Chestnuts	3	2	1	2	4 e	5 f
Macadamia	51	60	63	67	70 e	72 f
Berries a	66	71	72	91	na	na

Continued

## 1.2 Value of agricultural food production, by commodity (continued)

	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Horticulture (continued)</b>						
<b>Stonefruit</b>						
Peaches	50	50	60	53	na	na
Nectarines	37	40	41	44	na	na
Apricots	29	31	39	31	na	na
Plums	32	33	39	44	na	na
Cherries	27	23	29	28	na	na
<b>Vegetables</b>						
Potatoes	378	414	449	493	458 p	na
Onions	79	113	92	125	na	na
Carrots	133	136	142	151	na	na
Asparagus	36	38	38	39	na	na
Broccoli	51	54	61	62	na	na
Cauliflower	45	48	48	48	na	na
Tomatoes	166	176	177	167	174 p	na
Mushrooms	126	128	131	153	na	na
Lettuce	70	77	76	93	na	na
Capsicum/chillies	41	44	41	49	na	na
Cabbage	40	34	33	31	na	na
Beans	39	43	41	47	na	na
Other	214	254	251	262	na	na
<b>Total horticulture</b>	<b>3 426</b>	<b>3 888</b>	<b>4 060</b>	<b>4 363</b>	<b>na</b>	<b>na</b>
<b>Livestock slaughtering</b>						
Cattle and calves	3 998	3 208	2 945	3 412	3 696	3 825
Sheep	176	226	214	283	226	194
Lambs	464	596	632	545	643	650
Pigs	683	825	803	673	663	852
Poultry meat	902	948	1 053	1 122	1 174	1 249
<b>Livestock products</b>						
Milk	2 419	2 848	2 811	2 817	2 897	2 850
<b>Total livestock</b>	<b>8 641</b>	<b>8 651</b>	<b>8 458</b>	<b>8 852</b>	<b>9 299</b>	<b>9 621</b>
<b>Fisheries products</b>						
Tuna	130	85	96	128	223	289
Other fish	337	352	378	398	426	469
Prawns	368	368	344	384	408	357
Rock lobster	451	370	413	376	408	461
Abalone	145	142	153	182	169	182
Scallops	64	71	37	39	36	23
Oysters	48	52	52	48	46	46
<b>Total fisheries</b>	<b>1 541</b>	<b>1 440</b>	<b>1 473</b>	<b>1 556</b>	<b>1 717</b>	<b>1 828</b>

a Includes strawberries, raspberries, blackberries, blueberries and blackcurrants. e Industry estimate. f Industry forecast. p Preliminary. na Not available.

Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Value of Principal Agricultural Commodities Produced*, cat. no. 7501, Canberra; ABS, *Value of Agricultural Commodities Produced*, cat. no. 7503, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Australian Horticultural Corporation, *Australian Horticulture Statistics Handbook, 1999-2000*, Sydney; Australian Citrus Growers Incorporated, *Annual Report 1999*, Adelaide; ABARE.



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

	1993-94	1994-95	1995-96	1996-97	1997-98
	no.	no.	no.	no.	no.
<b>Main activity</b>					
Grape growing	3 686	3 691	4 122	4 296	4 822
Apple and pear growing	1 273	1 187	1 166	1 184	1 219
Stone fruit growing	958	1 037	983	1 082	1 027
Other fruit	4 416	4 051	4 092	4 308	4 370
Vegetables	4 393	4 159	4 283	4 231	4 195
Grain growing	13 236	10 162	14 018	15 727	14 654
Grain-sheep/beef cattle farming	17 152	17 186	17 727	19 521	18 523
Sheep-beef cattle farming	10 475	10 339	9 429	8 072	7 679
Sheep farming	11 202	12 539	11 432	11 766	12 595
Beef cattle farming	20 872	20 492	19 388	16 495	15 915
Dairy cattle farming	14 060	13 870	13 683	13 683	13 762
Poultry farming (meat)	712	710	708	723	834
Poultry farming (eggs)	540	492	473	467	485
Pig farming	1 435	1 400	1 201	1 087	1 108
Deer farming	432	356	348	77	80
Sugar cane growing	5 029	5 025	4 995	4 975	5 080
Cotton growing	795	821	969	966	1 112
<b>Total</b>	110 666	107 517	109 017	108 660	107 460
<b>Other agriculture</b>					
Other livestock (including horses)	2 239	2 334	2 838	1 962	1 434
Other crops and plant growing nec	1 110	2 232	1 165	1 057	1 113
All other industries	2 410	2 355	2 493	2 585	2 728
<b>Total</b>	116 425	114 438	115 513	114 264	112 735

<sup>a</sup> Includes farm businesses with an EVAO over \$22 500 as at 31 March.

Source: ABS, *Agriculture, Australia*, cat. no. 7113.0.

## 1.4 Employment in agricultural food production <sup>a</sup>

	1993-94	1994-95	1995-96	1996-97	1997-98
	no.	no.	no.	no.	no.
Fruit	30 028	25 848	29 450	34 570	33 467
Vegetables	34 241	28 517	21 412	19 945	22 390
Grain growing	35 107	28 383	35 360	39 434	33 832
Grain-sheep/beef cattle farming	40 296	45 016	37 458	48 791	47 341
Sheep-beef cattle farming	23 218	26 315	24 939	16 904	14 939
Sheep farming	26 337	27 008	27 499	28 834	28 449
Beef cattle farming	44 819	40 657	41 248	36 218	34 320
Dairy cattle farming	32 399	35 053	30 846	33 029	35 020
Pig farming	5 184	5 114	4 303	4 864	5 451
Sugar cane growing	11 782	13 301	10 860	11 803	12 669
Cotton growing	3 132	3 887	4 239	5 399	5 893
Other agriculture	28 263	27 420	31 773	25 860	27 082
All agriculture	314 806	306 519	299 387	305 651	300 853

<sup>a</sup> Includes proprietors and partners and employees working for farm businesses with an EVAO over \$22 500. Excludes non salaried directors, consultants, contractors and unpaid labor.

Source: ABS, *Agriculture, Australia*, cat. no. 7113.0.

## 2.1 Supply and use of Australian wheat, oilseeds and pulses <sup>a</sup>

	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 <sup>p</sup>
	kt	kt	kt	kt	kt	kt
<b>Wheat</b>						
Production	16 479	8 903	16 504	23 702	19 417	22 108
Domestic use	3 905	3 905	4 127	3 512	5 081	5 062
Human and industrial <sup>b</sup>	1 824	1 893	1 991	2 122	2 174	2 184
Feed <sup>c</sup>	1 721	1 575	1 626	904	2 385	2 341
Seed	360	437	510	486	521	538
Net exports	13 805	6 342	13 298	19 189	15 679	16 387
Change in stocks	-1231	-1344	-921	1001	-1343	659
<b>Canola</b>						
Production	305	264	557	642	860	1 761
Domestic use	202	179	173	272	346	405
Crushers	200	178	171	269	339	396
Seed	2	2	2	3	6	9
Exports	103	85	384	330	555	1 356
<b>Canola meal</b>						
Production	112	103	94	147	191	222
Domestic use	112	103	94	147	191	222
Exports	0	0	0	0	0	0
<b>Canola oil</b>						
Production	82	69	72	114	138	162
Domestic use	78	69	66	101	101	114
Exports	4	0	7	15	38	50
<b>Pulses – major crops</b>						
Production						
Lupins	1 480	1 076	1 559	1 560	1 380	1 421
Field peas	558	240	530	466	305	298
Chickpeas	193	69	287	278	191	160
Apparent domestic use <sup>b</sup>						
Lupins	443	657	632	618	419	426
Field peas	210	99	257	162	121	31
Chickpeas	23	31	31	26	27	28
Exports						
Lupins	937	519	927	905	961	995
Field peas	349	142	273	304	184	267
Chickpeas	197	36	155	368	200	120

<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> Production may not equal the sum of apparent domestic use and exports in any one year due to reductions or increases in stock levels. Excludes wheat flour exports. <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*, electronic data service, cat. no. 5464.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABARE.

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

	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 <sup>p</sup>
	kt	kt	kt	kt	kt	kt
<b>Barley</b>						
Production	6 956	2 913	5 823	6 696	6 482	5 680
Domestic use	2 577	2 180	1 970	2 202	2 082	1 954
As malt and other human use	156	140	109	144	148	151
Feed	2 310	1 900	1 709	1 900	1 800	1 700
Seed	111	140	152	158	135	103
Export	2 684	1 498	4 042	4 331	3 463	4 765
Feed barley	1 880	516	1 685	1 957	2 025	2 607
Malting barley	1 823	571	1 890	1 928	982	1 635
Malt (grain equivalent)	392	411	467	447	457	525
<b>Oats</b>						
Production	1 651	924	1 875	1 653	1 634	1 874
Domestic use	1 453	856	1 620	1 503	1 481	1 626
Human	105	105	108	110	113	116
Feed	1 305	697	1 460	1 348	1 324	1 470
Seed	43	55	52	45	44	40
Export	198	68	255	150	154	248
<b>Triticale <sup>b</sup></b>						
Production	262	182	469	674	633	483
Domestic use	262	182	469	674	633	483
Feed	254	171	450	656	620	469
Seed	8	11	18	18	13	14
<b>Sorghum</b>						
Production	1 082	1 272	1 591	1 425	1 081	1 664
Domestic use	1 029	1 255	993	1 194	897	1 268
Feed	1 026	1 251	990	1 192	894	1 265
Seed	3	4	3	3	3	3
Export	267	61	599	231	171	295
<b>Maize</b>						
Production	202	242	325	398	271	322
Domestic use	219	297	309	390	252	285
Human, industrial	90	90	92	94	96	94
Feed	128	206	216	295	155	190
Seed	1	1	1	1	1	1
Export	5	2	17	9	36	32
<b>Total coarse grains</b>						
Production	10 153	5 534	10 083	10 846	10 101	10 023
Domestic use	5 541	4 771	5 359	5 964	5 345	5 616
Human, industrial	351	335	309	348	357	361
Feed	5 023	4 225	4 825	5 390	4 793	5 094
Seed	166	210	226	225	196	160
Export	3 154	1 629	4 912	4 721	3 820	5 447

<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> 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*, electronic data service, cat. no. 5464.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABARE.

## 2.3 Supply and use of Australian dairy products

	Unit	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 <sup>p</sup>
<b>Production of wholemilk</b>	ML	8 077	8 206	8 716	9 036	9 439	10 178
<b>Manufacture</b>							
Butter <sup>a</sup>	kt	143	131	145	147	154	176
Cheese	kt	234	241	272	290	310	321
Non-cheddar	kt	84	91	102	114	123	133
Cheddar	kt	150	151	170	176	187	188
Wholemilk powder	kt	93	104	113	134	128	145
Skim milk powder <sup>b</sup>	kt	207	197	215	223	215	255
Casein	kt	5	7	6	5	9	8
Buttermilk powder	kt	15	13	14	15	15	17
<b>Consumption</b>							
Butter	kt	55	56	52	50	55	50
Margarine (table)	kt	105	96	99	87	82	na
Cheese <sup>c</sup>	kt	171	184	192	198	197	na
Australian	kt	143	157	158	166	166	167
Wholemilk powder	kt	15	16	20	24	16	18
Skim milk powder <sup>b</sup>	kt	43	39	41	43	34	35
Casein	kt	1	1	1	2	0	0
Market milk	ML	1 810	1 849	1 895	1 920	1 921	na
<b>Exports</b>							
Butter and butterfat <sup>a</sup>	kt	83	77	60	99	95	104
Cheese	kt	99	116	119	128	153	175
Wholemilk powder	kt	57	74	81	97	95	126
Skim milk powder	kt	165	174	168	192	178	220
Casein	kt	2	5	3	6	9	13
<b>Other products</b>							
Fresh milk	ML	50	65	69	80	75	82
Other fresh products	ML	0	0	0	0	0	0
Condensed milk	kt	7	14	19	15	17	21
Other powders	kt	34	39	28	34	36	38
<b>Imports</b>							
Cheese	t	27 370	27 825	33 168	32 020	31 193	30 757

<sup>a</sup> Includes the butter equivalent of butter oil, butter concentrate, ghee and dry butterfat production. <sup>b</sup> Includes mixed skim milk powder and buttermilk powder. <sup>c</sup> In natural equivalent weight. <sup>p</sup> Preliminary. <sup>na</sup> Not available.  
 Sources: ABS, *Apparent Consumption of Selected Foodstuffs*, Australia, cat. no. 4315.0, Canberra; ABS, *Apparent Consumption of Foodstuffs*, Australia, cat. no. 4306.0, Canberra; ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra; Australian Dairy Corporation, *Dairy Compendium*, Melbourne; Australian Dairy Corporation, *Monthly Statistics*, Melbourne; Australian Dairy Corporation; ABARE.

## 2.4 Supply and use of Australian meats

	Unit	1994	1995	1996	1997	1998	1999 <sup>p</sup>
<b>Beef and veal</b>							
Slaughtering a	'000	8 366	7 906	7 968	9 148	9 308	8 764
Average slaughter weight	kg	220.6	217.5	217.6	212.0	213.5	227.3
Production <b>b</b>	kt	1 845	1 719	1 734	1 939	1 987	1 992
Exports <b>c</b>	kt	1 164	1 106	1 028	1 189	1 278	1 290
Consumption <b>bd</b>	kt	698	626	726	753	695	na
Closing stocks <b>b</b>	kt	46	41	29	34	28	29
<b>Mutton</b>							
Slaughtering	'000	17 991	15 228	14 447	15 552	15 316	14 273
Average slaughter weight	kg	20.9	20.5	21.1	20.5	20.6	21.1
Production <b>b</b>	kt	375	312	304	320	316	301
Exports <b>bc</b>	kt	236	210	200	210	208	210
Consumption <b>bd</b>	kt	160	100	107	112	109	93
Closing stocks <b>b</b>	kt	10	12	9	6	6	5
<b>Lamb</b>							
Slaughtering a	'000	15 718	14 680	14 069	14 924	15 659	16 350
Average slaughter weight	kg	17.9	17.9	18.5	18.8	19.2	19.5
Production <b>b</b>	kt	281	263	261	280	301	319
Exports <b>c</b>	kt	64	55	63	78	85	101
Consumption <b>bd</b>	kt	221	208	197	202	215	216
Closing stocks <b>b</b>	kt	3	3	4	4	4	3
<b>Pig meat</b>							
Slaughtering	'000	5 365	5 191	4 840	4 899	5 212	5 037
Average slaughter weight	kg	64.8	68.6	70.0	70.6	68.9	na
Production <b>b</b>	kt	348	356	339	346	359	na
Imports <b>be</b>	kt	5	10	14	23	20	49
Exports <b>be</b>	kt	9	9	12	17	25	45
Total consumption <b>bd</b>	kt	346	353	346	350	354	na
Closing stocks – pork <b>b</b>	kt	4	6	2	4	3	3
<b>Poultry meat <sup>f</sup></b>							
Slaughtering	million	335	332	342	357	373	381
Average dressed weight <b>b</b>	kg	1.5	1.5	1.5	1.6	1.6	na
Production <b>b</b>	kt	504	504	525	557	601	na
Exports <b>b</b>	kt	14	18	18	18	23	24
Total consumption <b>d</b>	kt	490	487	507	540	578	na

a Includes calves. **b** Carcass weight. **c** Includes canned and miscellaneous product. **d** Apparent consumption. **e** Includes preserved pig meat. **f** Includes chicken, turkey and duck. **p** Preliminary. **na** Not available.

Sources: ABS, *Apparent Consumption of Foodstuffs*, cat. no. 4306.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; Agriculture, Fisheries and Forestry – Australia, *Export Statistics*, Sydney; ABARE.

## 2.5 Supply and use of selected Australian horticultural products

	Unit	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
<b>Grapes and grape products</b>							
<b>Grape production</b>							
Total	kt	1 081	940	1 095	1 161	1 147	1 370
<b>Grape use</b>							
Wine making	kt	777	630	883	798	951	1 101
Red grapes	kt	217	200	282	260	350	436
White grapes	kt	560	430	601	538	601	666
Drying and table	kt	303	310	212	363	196	269
<b>Wine production</b>							
Fortified wine	ML	30	25	29	29	29	21
Unfortified wine	ML	500	433	577	538	651	772
Total wine	ML	531	458	606	567	680	793
<b>Domestic sales</b>							
Table wine	ML	255	252	247	268	277	287
Red wine	ML	62	65	69	84	87	99
White wine	ML	192	186	179	185	190	188
Sparkling wine	ML	31	28	30	32	31	33
Fortified wine	ML	27	27	26	26	25	24
Total wine a	ML	320	316	308	333	339	348
<b>Exports</b>							
Table wine	ML	121	105	122	146	184	206
Red wine	ML	44	45	55	69	86	100
White wine	ML	77	61	67	77	99	106
Sparkling wine	ML	5	5	5	6	6	7
Fortified wine	ML	3	2	2	2	3	3
Other wine	ML	1	1	2	1	1	1
Total wine	ML	131	114	131	155	194	216
<b>Imports</b>							
Table wine	ML	4	9	17	10	21	20
Sparkling wine	ML	2	3	3	2	3	3
Fortified wine	ML	0	0	0	0	0	0
Other wine	ML	1	1	1	1	1	1
Total wine	ML	8	14	20	14	26	24
<b>Dried vine fruit</b>							
Production (dried weight)	kt	50	54	38	69	29	44
Exports	kt	41	15	15	25	12	14
Imports	kt	5	7	9	10	12	16
<b>Table grapes</b>							
Production	kt	45	44	56	63	65	70
Exports	kt	12	13	21	27	27	29

Continued

## 2.5 Supply and use of selected Australian horticulture products (continued)

	Unit	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
<b>Oranges and orange juice</b>							
<b>Navel oranges</b>							
Production	kt	175	203	136	201	210	149
Fresh domestic consumption	kt	59	84	60	82	84	60
Processed	kt	70	70	30	50	52	28
Exports	kt	46	49	46	69	74	61
<b>Valencia and other oranges</b>							
Production	kt	402	448	303	388	356	299
Fresh consumption	kt	27	79	81	90	85	79
Processed	kt	333	326	180	250	227	168
Exports	kt	42	43	42	48	44	52
<b>Total oranges</b>							
Production	kt	577	651	439	589	566	448
Fresh consumption	kt	86	163	140	173	170	140
Processed	kt	403	396	210	300	279	196
Exports	kt	88	92	89	116	117	112
Imports	kt	7	7	10	13	13	6
<b>Orange juice (equivalent fresh tonnes) b</b>							
Production	kt	272	360	200	286	266	186
Exports of processed juice	kt	14	18	25	23	21	21
Imports of FCOJ	kt	97	156	220	185	222	367
Stocks of Australian FCOJ	kt	89	93	36	79	55	29
Apparent consumption	kt	267	406	360	368	412	503
<b>Apples</b>							
Production	kt	307	317	281	353	309	309
Fresh domestic consumption	kt	142	182	148	175	163	169
Processed	kt	129	101	104	153	110	115
Exports	kt	36	34	29	25	35	25
<b>Tomatoes and tomato products</b>							
Tomato production	kt	327	340	371	393	380	395
Tomato use							
Fresh domestic consumption	kt	75	90	78	89	39	81
Processed (raw material)	kt	247	244	288	299	334	309
Fresh exports	kt	5	6	5	5	7	5
Processed production	kt	na	na	99	104	125	117
Processed exports	kt	2	2	2	3	7	12
Processed imports	kt	55	39	38	36	37	34
Apparent processed consumption	kt	na	na	134	136	154	140

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.

Note: FCOJ – Frozen concentrated orange juice.

Sources: ABS, *Australian Wine and Grape Industry*, cat. no. 1329.0, Canberra; Shepherd, A, *Wine Grapes*, ABARE Research Report 99.15, Canberra; ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; Australian Horticultural Corporation, *Australian Horticulture Statistics Handbook, 1999-2000*, Sydney; Australian Processing Tomato Industry Council, *Annual Industry Survey 1999*, Blackburn South, Victoria; ABARE.



### 3.1 *Employment in the processed food industry, by state, 1996*

	NSW	Vic.	Qld.	WA	SA	Tas.	NT	Total
	no.	no.	no.	no.	no.	no.	no.	no.
<b>Meat</b>								
Meat processing	7 748	4 856	8 015	2 120	2 020	668	162	25 589
Poultry processing	4 137	2 244	1 550	756	655	186	23	9 551
Bacon, ham and smallgoods	1 079	1 604	1 313	608	489	143	8	5 244
Meats undefined	240	118	249	121	99	52	na	879
<b>Total</b>	<b>13 204</b>	<b>8 822</b>	<b>11 127</b>	<b>3 605</b>	<b>3 263</b>	<b>1 049</b>	<b>193</b>	<b>41 263</b>
<b>Dairy</b>								
Milk and cream processing	1 299	1 973	740	383	225	146	24	4 790
Ice cream	385	446	253	318	69	3	na	1 474
Other dairy products	750	3 872	378	215	411	350	13	5 989
Dairy undefined	412	445	459	113	94	45	11	1 579
<b>Total</b>	<b>2 846</b>	<b>6 736</b>	<b>1 830</b>	<b>1 029</b>	<b>799</b>	<b>544</b>	<b>48</b>	<b>13 832</b>
<b>Fruit and vegetable processing</b>	1 596	2 771	1 432	458	658	1 104	11	8 030
<b>Oil and fat processing</b>	789	332	275	92	118	12	3	1 621
<b>Flour mill and cereal food</b>								
Flour mill products	1 096	575	485	171	151	32	na	2 510
Cereal food and baking mix	3 082	1 150	406	198	279	9	3	5 127
Flour products undefined	30	5	14	6	9	na	na	64
<b>Total</b>	<b>4 208</b>	<b>1 730</b>	<b>905</b>	<b>375</b>	<b>439</b>	<b>41</b>	<b>3</b>	<b>7 701</b>
<b>Bakery products</b>								
Bread	6 267	5 176	3 940	1 712	1 787	605	120	19 607
Cake and pastry	3 080	2 687	1 343	867	700	246	20	8 943
Biscuit	1 341	1 681	943	73	521	66	0	4 625
Bakery products undefined	762	808	615	253	375	110	7	2 930
<b>Total</b>	<b>11 450</b>	<b>10 352</b>	<b>6 841</b>	<b>2 905</b>	<b>3 383</b>	<b>1 027</b>	<b>147</b>	<b>36 105</b>
<b>Other food</b>								
Sugar manufacturing	527	33	5 701	95	10	na	na	6 366
Confectionery	1 403	3 643	248	112	386	732	3	6 527
Seafood processing	622	361	376	538	468	473	3	2 841
Prepared animal and bird feed	1 882	1 201	792	350	224	60	6	4 515
Food n.e.c.	3 837	2 968	2 417	592	899	63	21	10 445
<b>Total</b>	<b>8 271</b>	<b>8 206</b>	<b>9 534</b>	<b>1 687</b>	<b>1 987</b>	<b>1 328</b>	<b>33</b>	<b>30 694</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	1 815	1 501	742	685	903	79	54	5 779
Beer and malt	1 070	939	713	438	294	217	29	3 770
Wine manufacturing	1 633	1 976	110	772	3 729	80	12	8 312
Spirits manufacturing	92	na	47	4	71	5	na	218
Beverages undefined	42	27	23	3	23	11	6	135
<b>Total</b>	<b>4 652</b>	<b>4 443</b>	<b>1 635</b>	<b>1 902</b>	<b>5 020</b>	<b>392</b>	<b>101</b>	<b>18 214</b>
<b>Total food, beverage tobacco undefined</b>	2 745	1 969	1 129	455	323	82	33	6 736
<b>Total food and beverage</b>	<b>49 761</b>	<b>45 361</b>	<b>34 708</b>	<b>12 508</b>	<b>15 990</b>	<b>5 579</b>	<b>572</b>	<b>164 196</b>

na Not available.

Source: ABS, 1996 Census, Canberra.

## 3.2 *Employment in the processed food industry, by region, 1996*

	Metropolitan no.	Other Coastal no.	Inland no.	Remote no.	Total no.
<b>Meat</b>					
Meat processing	7 227	5 762	11 733	867	25 589
Poultry processing	7 998	435	1 015	103	9 551
Bacon, ham and smallgoods	3 588	224	1 412	20	5 244
Meats undefined	523	141	206	9	879
Total	19 336	6 562	14 366	999	41 263
<b>Dairy</b>					
Milk and cream processing	2 323	1 019	1 433	15	4 790
Ice cream	1 139	94	238	3	1 474
Other dairy products	1 836	1 606	2 452	95	5 989
Dairy undefined	992	333	244	10	1 579
Total	6 290	3 052	4 367	123	13 832
<b>Fruit and vegetable processing</b>	3 797	1 531	2 667	35	8 030
<b>Oil and fat processing</b>	1 309	84	236	3	1 632
<b>Flour mill and cereal food</b>					
Flour mill products	1 388	163	952	7	2 510
Cereal food and baking mix	3 291	74	1 762	0	5 127
Flour products undefined	43	3	18	0	64
Total	4 722	240	2 732	7	7 701
<b>Bakery products</b>					
Bread	13 804	2 454	2 905	444	19 607
Cake and pastry	7 199	758	880	106	8 943
Biscuit	4 329	99	188	9	4 625
Bakery products undefined	2 109	349	436	36	2 930
Total	27 441	3 660	4 409	595	36 105
<b>Other food</b>					
Sugar manufacturing	775	5 497	20	74	6 366
Confectionery	5 163	197	1 158	9	6 527
Seafood processing	1 254	1 070	234	283	2 841
Prepared animal and bird feed	1 554	291	2 600	70	4 515
Food n.e.c.	9 133	835	783	46	10 797
Total	17 879	7 890	4 795	482	31 046
<b>Beverage and malt</b>					
Soft drink, cordial and syrup	4 660	324	763	32	5 779
Beer and malt	3 331	232	122	15	3 700
Wine manufacturing	2 446	719	5 124	23	8 312
Spirits manufacturing	113	39	66	0	218
Total	10 550	1 314	6 075	70	18 009
<b>Total food, beverage tobacco undefined</b>	5 503	381	837	45	6 766
<b>Total food and beverage</b>	96 827	24 714	40 484	2 359	164 384

Source: ABS, 1996 Census, Canberra.

### 3.3 *Employment in food industry wholesaling, by state, 1996*

	NSW	Vic.	Qld.	WA	SA	Tas.	NT	Total
	no.	no.	no.	no.	no.	no.	no.	no.
Meat	1 712	1 384	1 045	462	566	103	40	5 312
Poultry	1 065	452	371	148	163	54	12	2 265
Dairy	1 340	1 288	872	374	381	70	21	4 346
Fish	1 089	532	733	473	238	119	20	3 204
Fruit and vegetable	2 363	2 087	1 905	1 254	1 666	302	66	9 643
Confectionery soft drink	1 975	1 477	1 433	420	536	163	68	6 072
Liquor	1 704	990	822	435	699	56	83	4 789
Grocery	4 755	3 895	2 356	1 368	2 002	600	178	15 154
<b>Total</b>	<b>16 666</b>	<b>12 603</b>	<b>9 937</b>	<b>4 986</b>	<b>6 391</b>	<b>1 505</b>	<b>491</b>	<b>52 579</b>

Source: ABS, 1996 Census, Canberra.

### 3.4 Australian processed food industry: summary statistics

	Units	1994-95	1995-96	1996-97	1997-98
<b>New South Wales</b>					
Employment at end of June a	no.	49 200	47 900	48 530	48 972
Wages and salaries b	\$m	1 563	1 597	1 741	1 826
Turnover c	\$m	12 732	12 989	13 349	14 098
Industry gross production d	\$m	na	3 282	3 148	3 910
<b>Victoria</b>					
Employment at end of June a	no.	46 400	44 000	46 425	48 512
Wages and salaries b	\$m	1 511	1 480	1 649	1 824
Turnover c	\$m	12 471	13 065	14 030	14 551
Industry gross production d	\$m	na	3 601	3 713	4 212
<b>Queensland</b>					
Employment at end of June a	no.	34 500	33 500	34 312	35 216
Wages and salaries b	\$m	1 045	1 033	1 133	1 181
Turnover c	\$m	8 646	8 751	8 872	9 633
Industry gross production d	\$m	na	2 022	2 146	2 505
<b>Western Australia</b>					
Employment at end of June a	no.	12 600	13 300	13 036	13 839
Wages and salaries b	\$m	346	373	394	438
Turnover c	\$m	2 845	3 058	3 132	3 267
Industry gross production d	\$m	na	810	780	878
<b>South Australia</b>					
Employment at end of June a	no.	17 200	17 200	15 244	15 958
Wages and salaries b	\$m	455	474	493	497
Turnover c	\$m	3 580	3 866	4 084	4 436
Industry gross production d	\$m	na	1 201	1 259	1 452
<b>Tasmania</b>					
Employment at end of June a	no.	5 700	5 700	5 651	5 624
Wages and salaries b	\$m	162	160	176	185
Turnover c	\$m	1 304	1 361	1 359	1 416
Industry gross production d	\$m	na	427	383	374
<b>Australia</b>					
Employment at end of June a	no.	166 600	162 900	164 000	169 000
Wages and salaries b	\$m	5 112	5 148	5 610	5 978
Turnover c	\$m	41 763	43 287	44 978	47 620
Industry gross production d	\$m	na	11 392	114 772	13 047

a Includes working proprietors. b Exclude drawings of working proprietors and in current prices, do not discount the impact of price changes. c Applies new international standards to the calculation of turnover. d Industry value added replaces industry gross product in 1997-98. na Not available.

Sources: ABS, *Manufacturing Industry*, cat. no. 8221.0, Canberra; ABS, *Manufacturing Industry, NSW and ACT*, cat. no. 8221.1, Canberra; ABS, *Manufacturing Industry, Vic*, cat. no. 8221.2, Canberra; ABS, *Manufacturing Industry, Qld*, cat. no. 8221.3, Canberra; ABS, *Manufacturing Industry, WA*, cat. no. 8221.4, Canberra; ABS, *Manufacturing Industry, SA*, cat. no. 8221.5, Canberra; ABS, *Manufacturing Industry, Tas*, cat. no. 8221.6, Canberra.

### 3.5 New South Wales processed food industry: summary statistics

	Employment at 30 June a		Wages and salaries b		Turnover		Industry gross product	
	1996-97 no.	1997-98 no.	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m
<b>Meat</b>								
Meat processing	8 707	8 502	276	284	1 611	1 681	370	398
Poultry processing	5 699	6 556	172	201	997	1 076	223	276
Bacon, ham and smallgoods	1 308	1 415	44	45	353	369	95	113
<b>Total</b>	<b>15 714</b>	<b>16 473</b>	<b>492</b>	<b>531</b>	<b>2 960</b>	<b>3 126</b>	<b>687</b>	<b>786</b>
<b>Dairy</b>								
Milk and cream processing	1 980	1 898	73	77	139	752	139	156
Ice cream	776	1 054	32	54	74	274	74	105
Other dairy products	1 061	1 050	34	38	46	356	46	72
<b>Total</b>	<b>3 817</b>	<b>4 002</b>	<b>139</b>	<b>169</b>	<b>258</b>	<b>1 382</b>	<b>258</b>	<b>333</b>
<b>Fruit and vegetables</b>	<b>2 490</b>	<b>2 391</b>	<b>82</b>	<b>88</b>	<b>736</b>	<b>677</b>	<b>102</b>	<b>125</b>
<b>Oil and fat</b>	<b>793</b>	<b>720</b>	<b>38</b>	<b>45</b>	<b>271</b>	<b>415</b>	<b>52</b>	<b>105</b>
<b>Flour mill and cereal food</b>								
Flour mill products	1 384	1 218	61	55	726	649	115	152
Cereal food and baking mix	2 070	2 042	82	79	1 084	1 267	319	315
<b>Total</b>	<b>3 454</b>	<b>3 260</b>	<b>143</b>	<b>134</b>	<b>1 810</b>	<b>1 915</b>	<b>434</b>	<b>467</b>
<b>Bakery products</b>								
Bread	3 379	2 864	111	114	425	403	139	127
Cake and pastry	2 806	2 451	75	68	366	289	116	90
Biscuit	1 029	1 213	31	46	196	269	60	166
<b>Total</b>	<b>7 214</b>	<b>6 528</b>	<b>218</b>	<b>228</b>	<b>987</b>	<b>961</b>	<b>314</b>	<b>383</b>
<b>Other food</b>								
Sugar	496	484	na	na	na	na	na	na
Confectionery	1 718	1 615	66	70	375	365	133	121
Seafood	573	637	na	na	na	na	na	na
Prepared animal and bird feed	1 561	1 473	69	71	861	973	140	196
Food n.e.c.	5 443	5 786	214	201	1 202	1 213	337	387
<b>Total</b>	<b>9 791</b>	<b>9 995</b>	<b>349</b>	<b>342</b>	<b>2 438</b>	<b>2 551</b>	<b>610</b>	<b>705</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	1 740	2 095	73	80	725	804	104	195
Beer and malt	852	861	na	na	na	na	na	na
Wine	1 479	1 706	42	56	402	450	94	140
Spirits	na	na	na	na	na	na	na	na
<b>Total</b>	<b>4 071</b>	<b>4 662</b>	<b>115</b>	<b>136</b>	<b>1 127</b>	<b>1 254</b>	<b>199</b>	<b>335</b>
<b>Total food and beverage</b>	<b>48 530</b>	<b>48 972</b>	<b>1 741</b>	<b>1 826</b>	<b>13 349</b>	<b>14 098</b>	<b>3 148</b>	<b>3 910</b>
<b>Total manufacture</b>	<b>310 269</b>	<b>303 617</b>	<b>11 228</b>	<b>11 416</b>	<b>68 211</b>	<b>68 273</b>	<b>21 048</b>	<b>22 186</b>

a Includes working proprietors. b Excludes drawings of working proprietors. na Not available.  
Source: ABS, *Manufacturing Industry, NSW and ACT*, cat. no. 8221.1, Canberra.

## 3.6 Victorian processed food industry: summary statistics

	Employment at 30 June a		Wages and salaries b		Turnover		Industry gross product	
	1996-97 no.	1997-98 no.	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m
<b>Meat</b>								
Meat processing	5 621	6 413	154	212	1 016	1 177	261	329
Poultry processing	2 535	2 444	71	66	492	440	99	103
Bacon, ham and smallgoods	1 769	1 848	57	61	317	315	80	97
<b>Total</b>	<b>9 925</b>	<b>10 705</b>	<b>283</b>	<b>339</b>	<b>1 825</b>	<b>1 932</b>	<b>439</b>	<b>529</b>
<b>Dairy</b>								
Milk and cream processing	1 606	2 063	67	91	783	987	186	251
Ice cream	1 281	960	34	34	267	208	116	38
Other dairy products	5 216	4 991	221	214	2 699	2 734	450	510
<b>Total</b>	<b>8 103</b>	<b>8 014</b>	<b>322</b>	<b>339</b>	<b>3 749</b>	<b>3 929</b>	<b>751</b>	<b>798</b>
<b>Fruit and vegetables</b>	<b>3 995</b>	<b>3 735</b>	<b>175</b>	<b>190</b>	<b>1 428</b>	<b>1 428</b>	<b>346</b>	<b>415</b>
<b>Oil and fat</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>na</b>
<b>Flour mill and cereal food</b>								
Flour mill products	474	366	26	18	281	191	68	54
Cereal food and baking mix	1 881	1 793	67	71	510	515	141	167
<b>Total</b>	<b>2 355</b>	<b>2 159</b>	<b>92</b>	<b>89</b>	<b>791</b>	<b>705</b>	<b>210</b>	<b>221</b>
<b>Bakery products</b>								
Bread	3 131	2 371	85	85	312	287	120	102
Cake and pastry	3 167	3 468	73	79	345	382	112	125
Biscuit	1 651	1 891	51	59	255	293	93	159
<b>Total</b>	<b>7 949</b>	<b>7 730</b>	<b>209</b>	<b>223</b>	<b>912</b>	<b>962</b>	<b>325</b>	<b>386</b>
<b>Other food</b>								
Sugar	na	na	na	na	na	na	na	na
Confectionery	3 375	3 638	150	165	709	707	238	243
Seafood	na	na	na	na	na	na	na	na
Prepared animal and bird feed	1 299	1 288	63	56	902	795	206	146
Food n.e.c.	4 355	5 543	163	202	1 008	312	297	435
<b>Total</b>	<b>9 029</b>	<b>10 469</b>	<b>376</b>	<b>423</b>	<b>2 620</b>	<b>1 814</b>	<b>741</b>	<b>824</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	1 150	na	na	na	na	na	na	na
Beer and malt	649	627	na	na	na	na	na	na
Wine	1 535	1 833	42	48	477	582	192	269
Spirits	83	na	na	na	na	na	na	na
<b>Total</b>	<b>3 417</b>	<b>na</b>	<b>42</b>	<b>48</b>	<b>477</b>	<b>582</b>	<b>192</b>	<b>269</b>
<b>Total food and beverage</b>	<b>46 425</b>	<b>48 512</b>	<b>1 649</b>	<b>1 824</b>	<b>14 030</b>	<b>14 551</b>	<b>3 713</b>	<b>4 212</b>
<b>Total manufacture</b>	<b>306 636</b>	<b>314 843</b>	<b>10 662</b>	<b>11 317</b>	<b>68 420</b>	<b>69 517</b>	<b>21 807</b>	<b>22 802</b>

a Includes working proprietors. b Excludes drawings of working proprietors. na Not available.

Source: ABS, *Manufacturing Industry, Vic*, cat. no. 8221.2, Canberra.

### 3.7 Queensland processed food industry: summary statistics

	Employment at 30 June a		Wages and salaries b		Turnover		Industry gross product	
	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98	1996-97	1997-98
	no.	no.	\$m	\$m	\$m	\$m	\$m	\$m
<b>Meat</b>								
Meat processing	8 677	10 126	277	317	2 076	2 586	439	535
Poultry processing	1 542	1 567	49	47	303	319	82	95
Bacon, ham and smallgoods	1 553	1 644	42	48	276	304	70	90
<b>Total</b>	<b>11 772</b>	<b>13 337</b>	<b>369</b>	<b>411</b>	<b>2 655</b>	<b>3 209</b>	<b>591</b>	<b>720</b>
<b>Dairy</b>								
Milk and cream processing	1 485	1 428	53	52	574	582	75	93
Ice cream	276	323	na	7	na	58	na	na
Other dairy products	563	499	na	19	na	215	na	42
<b>Total</b>	<b>2 324</b>	<b>2 250</b>	<b>53</b>	<b>78</b>	<b>574</b>	<b>855</b>	<b>75</b>	<b>135</b>
<b>Fruit and vegetables</b>								
	1 899	1 969	70	68	452	393	152	135
<b>Oil and fat</b>								
	na	na	na	na	na	na	na	na
<b>Flour mill and cereal food</b>								
Flour mill products	na	256	na	13	na	122	na	22
Cereal food and baking mix	828	525	23	17	168	140	57	61
<b>Total</b>	<b>828</b>	<b>781</b>	<b>23</b>	<b>30</b>	<b>168</b>	<b>262</b>	<b>57</b>	<b>83</b>
<b>Bakery products</b>								
Bread	2 039	1 750	60	55	257	254	80	72
Cake and pastry	1 516	1 293	33	32	133	130	48	41
Biscuit	1 333	1 544	34	43	188	299	66	189
<b>Total</b>	<b>4 888</b>	<b>4 587</b>	<b>127</b>	<b>130</b>	<b>578</b>	<b>683</b>	<b>193</b>	<b>301</b>
<b>Other food</b>								
Sugar	5 747	5 571	236	241	2 055	2 070	438	494
Confectionery	152	138	3	2	12	8	4	3
Seafood	301	289	4	5	56	67	7	5
Prepared animal and bird feed	733	666	22	20	357	341	49	48
Food n.e.c.	3 223	3 350	89	98	523	596	186	197
<b>Total</b>	<b>10 156</b>	<b>10 014</b>	<b>354</b>	<b>366</b>	<b>3 004</b>	<b>3 082</b>	<b>685</b>	<b>747</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	987	1 116	na	na	na	na	na	na
Beer and malt	658	629	na	na	na	na	na	na
Wine	32	24	1	1	2	2	1	0
Spirits	59	55	1	na	19	na	3	na
<b>Total</b>	<b>1 736</b>	<b>1 824</b>	<b>2</b>	<b>1</b>	<b>21</b>	<b>na</b>	<b>4</b>	<b>0</b>
<b>Total food and beverage</b>	<b>34 312</b>	<b>35 216</b>	<b>1 133</b>	<b>1 181</b>	<b>8 872</b>	<b>9 633</b>	<b>2 146</b>	<b>2 505</b>
<b>Total manufacture</b>	<b>141 093</b>	<b>144 266</b>	<b>4 479</b>	<b>4 642</b>	<b>30 141</b>	<b>31 433</b>	<b>8 470</b>	<b>9 422</b>

a Includes working proprietors. b Excludes drawings of working proprietors. na Not available.  
Source: ABS, *Manufacturing Industry, Qld*, cat. no. 8221.3, Canberra.

## 3.8 Western Australian processed food industry: summary statistics

	Employment at 30 June a		Wages and salaries b		Turnover		Industry gross product	
	1996-97 no.	1997-98 no.	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m
<b>Meat</b>								
Meat processing	2 665	2 962	87	93	557	512	118	126
Poultry processing	894	1 103	na	30	na	217	na	62
Bacon, ham and smallgoods	864	754	na	23	na	136	na	33
<b>Total</b>	<b>4 423</b>	<b>4 819</b>	<b>87</b>	<b>146</b>	<b>557</b>	<b>866</b>	<b>118</b>	<b>220</b>
<b>Dairy</b>								
Milk and cream processing	615	555	na	na	na	na	na	na
Ice cream	na	498	na	na	na	na	na	na
Other dairy products	204	217	6	7	65	35	9	8
<b>Total</b>	<b>819</b>	<b>1 270</b>	<b>6</b>	<b>7</b>	<b>65</b>	<b>35</b>	<b>9</b>	<b>8</b>
<b>Fruit and vegetables</b>	586	na	15	na	123	na	34	na
<b>Oil and fat</b>	na	na	na	na	na	na	na	na
<b>Flour mill and cereal food</b>								
Flour mill products	166	208	6	8	80	96	22	24
Cereal food and baking mix	302	181	8	5	66	32	20	10
<b>Total</b>	<b>468</b>	<b>389</b>	<b>14</b>	<b>13</b>	<b>146</b>	<b>128</b>	<b>42</b>	<b>35</b>
<b>Bakery products</b>								
Bread	1 032	955	27	29	139	126	53	41
Cake and pastry	na	1 201	na	29	na	111	na	41
Biscuit	na	22	na	0	na	1	na	0
<b>Total</b>	<b>1 032</b>	<b>2 178</b>	<b>27</b>	<b>58</b>	<b>139</b>	<b>237</b>	<b>53</b>	<b>82</b>
<b>Other food</b>								
Sugar	na	na	na	na	na	na	na	na
Confectionery	na	na	na	na	na	na	na	na
Seafood	884	922	23	23	365	341	37	52
Prepared animal and bird feed	378	434	12	14	191	205	29	32
Food n.e.c.	1 043	1 244	34	41	168	203	72	77
<b>Total</b>	<b>2 305</b>	<b>2 600</b>	<b>68</b>	<b>78</b>	<b>723</b>	<b>750</b>	<b>138</b>	<b>161</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	756	680	28	31	237	236	41	39
Beer and malt	309	21	15	14	256	248	100	90
Wine	742	na	16	na	119	na	41	na
Spirits	na	na	na	na	na	na	na	na
<b>Total</b>	<b>1 807</b>	<b>701</b>	<b>59</b>	<b>46</b>	<b>612</b>	<b>483</b>	<b>182</b>	<b>129</b>
<b>Total food and beverage</b>	<b>13 036</b>	<b>13 839</b>	<b>394</b>	<b>438</b>	<b>3 132</b>	<b>3 267</b>	<b>780</b>	<b>878</b>
<b>Total manufacture</b>	<b>73 390</b>	<b>75 975</b>	<b>2 421</b>	<b>2 513</b>	<b>16 815</b>	<b>17 529</b>	<b>4 744</b>	<b>5 240</b>

a Includes working proprietors. b Excludes drawings of working proprietors. na Not available.

Source: ABS, *Manufacturing Industry, WA*, cat. no. 8221.5, Canberra.



### 3.9 South Australian processed food industry: summary statistics

	Employment at 30 June a		Wages and salaries b		Turnover		Industry gross product	
	1996-97 no.	1997-98 no.	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m
<b>Meat</b>								
Meat processing	2 222	2 429	70	66	336	312	83	91
Poultry processing	761	na	na	na	na	na	na	na
Bacon, ham and smallgoods	743	na	na	na	na	na	na	na
<b>Total</b>	<b>3 726</b>	<b>2 429</b>	<b>70</b>	<b>66</b>	<b>336</b>	<b>312</b>	<b>83</b>	<b>91</b>
<b>Dairy</b>								
Milk and cream processing	620	565	24	na	254	na	52	na
Ice cream	na	47	na	na	na	na	na	na
Other dairy products	na	305	na	13	na	148	na	25
<b>Total</b>	<b>620</b>	<b>917</b>	<b>24</b>	<b>13</b>	<b>254</b>	<b>148</b>	<b>52</b>	<b>25</b>
<b>Fruit and vegetables</b>								
	788	658	28	24	229	216	73	36
<b>Oil and fat</b>								
	na	na	na	na	na	na	na	na
<b>Flour mill and cereal food</b>								
Flour mill products	na	na	na	na	na	na	na	na
Cereal food and baking mix	543	na	17	na	166	na	66	na
<b>Total</b>	<b>543</b>	<b>na</b>	<b>17</b>	<b>na</b>	<b>166</b>	<b>na</b>	<b>66</b>	<b>na</b>
<b>Bakery products</b>								
Bread	1 249	1 058	38	37	117	108	48	39
Cake and pastry	1 053	1 090	27	27	88	88	36	35
Biscuit	472	714	16	20	81	153	39	60
<b>Total</b>	<b>2 774</b>	<b>2 862</b>	<b>81</b>	<b>85</b>	<b>286</b>	<b>349</b>	<b>123</b>	<b>134</b>
<b>Other food</b>								
Sugar	na	na	na	na	na	na	na	na
Confectionery	385	362	na	na	na	na	na	na
Seafood	569	725	18	17	218	241	40	37
Prepared animal and bird feed	262	261	na	na	na	na	na	na
Food n.e.c.	823	1 115	29	36	196	275	88	113
<b>Total</b>	<b>2 039</b>	<b>2 463</b>	<b>47</b>	<b>53</b>	<b>413</b>	<b>516</b>	<b>128</b>	<b>150</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	na	na	na	na	na	na	na	na
Beer and malt	309	251	18	16	193	210	65	54
Wine	3 160	3 420	104	107	1 270	1 435	441	627
Spirits	na	na	na	na	na	na	na	na
<b>Total</b>	<b>3 469</b>	<b>3 671</b>	<b>122</b>	<b>123</b>	<b>1 462</b>	<b>1 645</b>	<b>506</b>	<b>681</b>
<b>Total food and beverage</b>	<b>15 244</b>	<b>15 958</b>	<b>493</b>	<b>497</b>	<b>4 084</b>	<b>4 436</b>	<b>1 259</b>	<b>1 452</b>
<b>Total manufacture</b>	<b>85 476</b>	<b>86 602</b>	<b>2 870</b>	<b>2 997</b>	<b>18 554</b>	<b>19 664</b>	<b>5 579</b>	<b>6 883</b>

a Includes working proprietors. b Excludes drawings of working proprietors. na Not available.  
Source: ABS, *Manufacturing Industry, SA*, cat. no. 8221.4, Canberra.

### 3.10 *Tasmanian processed food industry: summary statistics*

	Employment at 30 June a		Wages and salaries b		Turnover		Industry gross product	
	1996-97 no.	1997-98 no.	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m	1996-97 \$m	1997-98 \$m
<b>Meat</b>								
Meat processing	785	na	22	22	118	118	37	37
Poultry processing	na	na	na	na	na	na	na	na
Bacon, ham and smallgoods	na	217	na	5	na	31	na	6
<b>Total</b>	<b>785</b>	<b>217</b>	<b>22</b>	<b>27</b>	<b>118</b>	<b>149</b>	<b>37</b>	<b>43</b>
<b>Dairy</b>								
Milk and cream processing	na	176	na	7	na	72	na	13
Ice cream	na	5	na		na		na	
Other dairy products	587	575	17	18	220	209	57	59
<b>Total</b>	<b>587</b>	<b>756</b>	<b>17</b>	<b>25</b>	<b>220</b>	<b>282</b>	<b>57</b>	<b>72</b>
<b>Fruit and vegetables</b>	<b>1 232</b>	<b>943</b>	<b>44</b>	<b>43</b>	<b>332</b>	<b>353</b>	<b>92</b>	<b>81</b>
<b>Oil and fat</b>	<b>1</b>	<b>7</b>	<b>na</b>	<b>na</b>	<b>na</b>	<b>1</b>	<b>na</b>	<b>na</b>
<b>Flour mill and cereal food</b>								
Flour mill products	na	na	na	na	na	na	na	na
Cereal food and baking mix	na	na	na	na	na	na	na	na
<b>Total</b>								
<b>Bakery products</b>								
Bread	370	312	12	11	45	34	15	12
Cake and pastry	290	na	7	7	32	32	11	11
Biscuit	na	na	na	na	na	na	na	na
<b>Total</b>	<b>660</b>	<b>312</b>	<b>19</b>	<b>18</b>	<b>77</b>	<b>66</b>	<b>26</b>	<b>23</b>
<b>Other food</b>								
Sugar	na	na	na	na	na	na	na	na
Confectionery	na	na	na	na	na	na	na	na
Seafood	813	na	18	18	179	179	45	45
Prepared animal and bird feed	na	80	na	3	na	51	na	6
Food n.e.c.	na	45	na	na	na	na	na	na
<b>Total</b>	<b>813</b>	<b>125</b>	<b>18</b>	<b>21</b>	<b>179</b>	<b>230</b>	<b>45</b>	<b>51</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	14	19	na	na	na	1	na	na
Beer and malt	171	222	na	7	na	64	na	19
Wine	na	na	na	na	na	na	na	na
Spirits	na	na	na	na	na	na	na	na
<b>Total</b>	<b>185</b>	<b>241</b>	<b>na</b>	<b>7</b>	<b>na</b>	<b>64</b>	<b>na</b>	<b>19</b>
<b>Total food and beverage</b>	<b>5 651</b>	<b>5 624</b>	<b>176</b>	<b>185</b>	<b>1 359</b>	<b>1 416</b>	<b>383</b>	<b>374</b>
<b>Total manufacture</b>	<b>21 585</b>	<b>20 878</b>	<b>744</b>	<b>729</b>	<b>4 745</b>	<b>4 998</b>	<b>1 607</b>	<b>1 581</b>

a Includes working proprietors. b Excludes drawings of working proprietors. na Not available.

Source: ABS, *Manufacturing Industry, Tas*, cat. no. 8221.6, Canberra.

## 4.1 Retail food turnover, by state and category

	1995-96	1996-97	1997-98	1998-99
	\$m	\$m	\$m	\$m
<b>New South Wales</b>				
Supermarkets and grocery stores	10 566	11 211	11 726	12 428
Takeaway food outlets	2 484	2 561	2 478	2 053
Liquor retailing	1 267	459	1 293	1 253
Cafes and restaurants	2 601	2 324	2 234	2 746
Other food retailing	2 223	2 045	2 504	2 473
<b>Victoria</b>				
Supermarkets and grocery stores	8 361	8 928	9 351	10 169
Takeaway food outlets	1 630	1 574	1 388	1 327
Liquor retailing	351	459	555	662
Cafes and restaurants	1 063	1 112	1 280	1 650
Other food retailing	1 288	1 262	1 325	1 367
<b>Queensland</b>				
Supermarkets and grocery stores	6 454	6 791	6 902	7 506
Takeaway food outlets	1 265	1 359	1 504	1 384
Liquor retailing				
Cafes and restaurants	1 005	1 013	1 094	1 115
Other food retailing				
<b>Western Australia</b>				
Supermarkets and grocery stores	3 479	3 576	3 920	4 298
Takeaway food outlets	776	696	655	773
Liquor retailing	394	436	474	516
Cafes and restaurants	690	681	736	799
Other food retailing	424	492	475	468
<b>South Australia</b>				
Supermarkets and grocery stores	2 646	2 801	2 902	3 060
Takeaway food outlets	491	474	558	566
Liquor retailing	128	115	121	146
Cafes and restaurants	462	397	392	375
Other food retailing	593	558	720	849
<b>Tasmania</b>				
Supermarkets and grocery stores	948	957	970	961
Takeaway food outlets	178	174	161	160
Liquor retailing	na	na	na	na
Cafes and restaurants	151	151	114	92
Other food retailing	0	0	0	0

Continued

## 4.1 Retail food turnover, by state and category (continued)

	1995-96	1996-97	1997-98	1998-99
	\$m	\$m	\$m	\$m
<b>Australian Capital Territory</b>				
Supermarkets and grocery stores	688	685	706	721
Takeaway food outlets	115	116	130	123
Liquor retailing	38	42	39	40
Cafes and restaurants	156	151	144	158
Other food retailing	91	86	70	76
<b>Northern Territory</b>				
Supermarkets and grocery stores	566	547	514	538
Takeaway food outlets	87	76	73	87
Liquor retailing	20	23	26	29
Cafes and restaurants	77	79	90	98
Other food retailing	39	29	30	35
<b>Australia</b>				
Supermarkets and grocery stores	33 707	35 496	36 991	39 682
Takeaway food outlets	7 025	7 031	6 949	6 474
Liquor retailing	2 198	1 535	2 507	2 646
Cafes and restaurants	6 204	5 907	6 084	7 033
Other food retailing	4 657	4 472	5 124	5 269
Total food and liquor retailing	53 791	54 441	57 655	61 103
Total retailing	122 788	124 473	129 352	136 492

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

## 4.2 Consumer price index, by major groups

	1994-95	1995-96	1996-97	1997-98
Food	112	116	120	122
Clothing	107	107	107	107
Housing	100	106	102	95
Household equipment and operation	109	112	114	114
Transport	117	123	124	124
Alcohol and tobacco	141	156	161	165
Health and personal care	136	142	149	154
Recreation and education	115	118	120	124

Base year 1989-90 = 100.

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

## 4.3 Consumer price index for food groups

	1994-95	1995-96	1996-97	1997-98	1998-99
<b>Food</b>	112	116	120	122	127
<b>Dairy and related products</b>	119	124	130	133	136
Milk and cream	128	135	142	147	151
Cheese	109	111	113	111	114
Other dairy products	115	116	123	126	130
<b>Cereal products</b>	119	127	133	136	140
Bread	124	134	145	150	159
Cakes and biscuits	114	122	124	126	127
Breakfast cereals	120	125	129	129	125
Other cereal products	115	119	122	124	124
<b>Meat and seafoods</b>	103	107	109	110	111
Beef and veal	106	107	104	104	105
Lamb and mutton	108	121	123	123	124
Pork	103	108	114	113	111
Poultry	86	91	96	96	95
Bacon and ham	105	108	114	114	112
Processed meat	107	110	113	115	116
Fish and other seafood	101	102	102	105	111
<b>Fresh fruit and vegetables</b>	99	99	105	101	119
Fresh fruit	113	112	124	112	132
Fresh vegetables	90	91	92	95	111
<b>Processed fruit and vegetables</b>	110	114	116	117	120
Processed fruit	114	117	118	122	128
Processed vegetables	105	107	107	107	108
<b>Fruit and vegetable juices</b>	113	118	121	122	127
<b>Soft drinks, ice cream and confectionery</b>	122	127	130	136	141
Soft drinks and cordials	119	123	126	131	134
Ice cream and ice confectionery	133	139	145	149	152
Sweet and savoury snacks	122	127	131	138	146
<b>Other food</b>	113	119	121	126	128
Eggs	107	130	141	144	146
Jams, honey and sandwich spreads	128	132	135	140	140
Tea, coffee and food drinks	114	121	122	137	139
Food additives and condiments	113	113	113	117	123
Fats and oils	108	113	114	113	118
Food n.e.c.	113	116	119	122	123
<b>Meals out and take away foods</b>	114	116	119	121	124
Restaurant meals	114	117	120	123	126
Take away and fast foods	115	117	120	121	124

Base year 1989-90 = 100

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

## 4.4 Average retail prices of selected foods

	Unit	1994-95 cents	1995-96 cents	1996-97 cents	1997-98 cents	1998-99 cents
<b>Dairy products</b>						
Milk, fresh	L	108	115	120	124	128
Wholemilk powder	kg	597	598	583	640	639
Cheese	550gm	353	351	357	362	359
Butter	500gm	172	183	190	190	193
<b>Grain products</b>						
Bread	680gm	160	172	185	191	262
Breakfast foods	kg	242	331	336	303	332
Flour	kg	193	269	289	292	290
Rice	kg	121	127	137	151	158
<b>Meat and seafood</b>						
Beef	kg	998	1 011	977	983	990
Lamb	kg	616	693	704	703	710
Pig meat	kg	719	750	792	789	775
Chicken	kg	284	294	302	330	349
Seafood	kg	232	232	220	238	258
<b>Fruit and vegetables</b>						
Oranges	kg	138	166	170	186	224
Banana	kg	236	196	254	199	218
Potatoes	kg	103	115	103	116	125
Tomatoes	kg	276	290	282	269	345
Carrots	kg	146	130	135	143	172
Onions	kg	110	141	108	123	138
<b>Processed fruit</b>						
Jam, strawberry	500gm	242	241	243	246	241
<b>Other food</b>						
Sugar	2kg	201	209	210	215	229
Tea	250gm	178	184	190	222	265
Coffee	150gm	531	575	563	634	614
Eggs	dozen	200	245	268	271	282
Margarine	500gm	154	159	155	155	172
Chocolate milk	L	243	259	276	291	304
<b>Alcohol and beverages</b>						
Beer, bottled,						
low alcohol	24x375mL	1 959	1 975	1 994	1 998	2 013
Scotch	30mL	284	294	302	330	349

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

## 5.1 Australian food exports, by level of transformation

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	
<b>Minimally transformed</b>									
Live animals except fish	148	196	269	387	574	621	532	528	
Fish or shellfish	147	238	317	384	435	445	446	453	
<b>Horticulture</b>									
Vegetables	115	123	168	188	186	176	208	217	
Fruit and nuts	222	225	252	274	307	361	376	395	
Total	337	348	420	462	494	537	583	612	
Grains	1 969	2 630	2 617	1 961	4 236	5 231	4 267	4 204	
Oilseeds	60	76	116	104	201	198	364	683	
Food n.e.c.	17	16	16	15	19	21	21	55	
<b>Substantially transformed</b>									
<b>Meat</b>									
Meat processing	3 433	3 741	4 036	3 650	3 281	2 943	3 714	3 986	
Poultry processing	5	9	12	13	14	14	18	23	
Bacon, ham and smallgoods	63	66	73	80	71	69	64	61	
Total	3 501	3 816	4 121	3 744	3 366	3 027	3 795	4 071	
Seafood	679	707	786	751	671	636	731	769	
<b>Dairy</b>									
Milk and cream processing	398	548	631	721	872	899	897	1 057	
Ice cream	11	11	32	37	41	44	47	41	
Other dairy products	424	579	659	692	794	852	1 008	1 193	
Total	832	1 137	1 322	1 450	1 707	1 795	1 952	2 291	
Fruit and vegetables	428	561	585	467	563	659	605	591	
Oil and fat	44	63	66	82	95	104	167	170	
<b>Flour mill and cereal food</b>									
Flour mill products	84	94	119	113	144	160	176	206	
Cereal food and baking mix	327	306	425	403	446	438	528	513	
Total	412	401	544	516	590	598	704	719	
<b>Bakery products</b>									
Bread	10	12	14	16	17	16	11	11	
Bread, cake and pastry	9	11	13	14	16	15	9	8	
Biscuit	27	29	34	45	58	72	83	79	
Total	45	52	61	75	91	103	103	97	
<b>Other food</b>									
Sugar	695	1 015	1 246	1 657	1 595	1 595	1 239	88	<sup>b</sup>
Confectionery	84	87	149	149	194	170	162	176	
Food n.e.c.	236	281	351	387	437	520	524	545	
Total	1 015	1 384	1 747	2 193	2 226	2 285	1 925	810	
<b>Beverages and malt</b>									
Soft drink, cordial and syrup	20	17	24	31	59	34	28	23	
Beer and malt	185	170	170	166	204	215	216	207	
Wine	243	293	367	386	474	604	874	1 068	
Spirit	12	15	22	27	27	29	31	38	
Total	461	495	583	610	764	883	1 150	1 336	
<b>Total food and beverage</b>									
Minimally transformed	2 678	3 506	3 754	3 313	5 959	7 052	6 213	6 536	
Substantially transformed	7 299	8 488	9 622	9 685	9 827	9 852	10 901	10 606	
Elaborately transformed	119	126	193	202	246	238	232	247	
Total	10 097	12 120	13 569	13 200	16 031	17 143	17 346	17 389	

<sup>a</sup> Six months data only. <sup>b</sup> ABS confidentiality restrictions. <sup>p</sup> Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.



## 5.2 Australian food imports, by level of transformation

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	3	8	7	24	19	12	13	1
Fish or shellfish	18	16	17	21	25	25	30	31
<b>Horticulture</b>								
Vegetables	10	13	14	13	17	16	19	24
Fruit and nuts	69	59	65	70	79	77	90	94
Total	79	71	79	83	96	93	109	118
Grains	0	0	1	57	14	1	3	1
Oilseeds	43	35	39	51	52	38	40	29
Food n.e.c.	71	69	89	186	167	141	186	172
<b>Substantially transformed</b>								
<b>Meat</b>								
Meat processing	27	15	33	33	30	50	42	51
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	24	26	24	24	26	29	33	28
Total	51	41	57	57	56	79	75	79
<b>Seafood</b>								
	456	483	526	589	579	584	666	720
<b>Dairy</b>								
Milk and cream processing	13	18	14	17	23	19	25	33
Ice cream	7	12	6	8	5	13	15	33
Other dairy products	123	142	148	155	176	172	188	207
Total	143	172	169	180	204	204	228	273
<b>Fruit and vegetables</b>								
	451	472	518	535	585	593	622	717
<b>Oil and fat</b>								
	151	193	203	233	267	258	253	288
<b>Flour mill and cereal food</b>								
Flour mill products	23	39	49	109	63	71	55	48
Cereal food and baking mix	68	74	76	78	96	111	141	149
Total	92	113	124	187	159	182	196	197
<b>Bakery products</b>								
Bread, cake and pastry	25	41	47	39	41	49	63	76
Biscuit	41	45	45	46	51	55	58	62
Total	66	86	92	86	92	103	120	138
<b>Other food</b>								
Sugar	11	8	6	11	7	7	7	9
Confectionery	90	120	117	141	155	183	215	208
Food n.e.c.	325	384	430	462	487	385	487	554
Total	426	512	553	614	649	575	710	771
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	140	172	229	215	246	252	286	276
Beer and malt	16	20	17	19	21	26	32	44
Wine	46	47	48	61	61	67	94	103
Spirit	186	194	198	186	189	304	347	406
Total	388	433	492	481	517	648	758	828
<b>Total food and beverage</b>								
Minimally transformed	215	199	232	423	371	310	380	352
Substantially transformed	2 122	2 391	2 614	2 840	2 972	3 135	3 510	3 894
Elaborately transformed	101	116	120	122	136	91	117	117
Total	2 439	2 706	2 966	3 385	3 479	3 536	4 007	4 363

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.1 Australian food exports to APEC member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	
<b>Minimally transformed</b>									
Live animals except fish	61	76	116	202	312	394	221	201	
Fish or shellfish	141	235	314	382	432	441	443	444	
<b>Horticulture</b>									
Vegetables	86	106	139	155	166	160	173	188	
Fruit and nuts	169	190	225	222	263	326	322	333	
Total	256	296	364	377	429	486	495	521	
Grains a	540	1 337	1 178	913	2 147	1 529	1 832	1 689	
Oilseeds	52	67	96	84	140	150	254	445	
Food n.e.c.	6	6	5	9	9	11	11	34	
<b>Substantially transformed</b>									
<b>Meat</b>									
Meat processing	3 036	3 310	3 596	3 184	2 760	2 468	3 000	3 336	
Poultry processing	2	2	5	5	7	6	8	10	
Bacon, ham and smallgoods	42	41	49	55	50	53	47	36	
Total	3 080	3 352	3 651	3 244	2 816	2 528	3 055	3 382	
<b>Seafood</b>									
Seafood	637	659	753	613	629	617	703	724	
<b>Dairy</b>									
Milk and cream processing	366	498	578	640	749	734	695	796	
Ice cream	11	10	31	36	40	42	46	39	
Other dairy products	320	411	430	471	577	575	641	758	
Total	697	920	1 039	1 147	1 366	1 351	1 382	1 594	
<b>Fruit and vegetables</b>									
Fruit and vegetables	208	225	260	287	312	327	302	331	
<b>Oil and fat</b>									
Oil and fat	34	40	54	58	76	90	139	112	
<b>Flour mill and cereal food</b>									
Flour mill products	69	76	103	101	120	121	125	167	
Cereal food and baking mix	74	69	93	103	100	105	113	109	
Total	143	145	196	204	220	226	238	275	
<b>Bakery products</b>									
Bread, cake and pastry	7	10	11	13	14	14	8	6	
Biscuit	17	19	23	34	47	60	68	66	
Total	25	29	35	47	61	74	76	72	
<b>Other food</b>									
Sugar	21	32	17	82	400	1 449	245	61	c
Confectionery	79	83	123	128	176	154	148	161	
Food n.e.c.	199	242	288	336	383	456	445	473	
Total	299	357	429	546	959	2 059	838	695	
<b>Beverages and malt</b>									
Soft drink, cordial and syrup	16	11	18	24	52	28	23	19	
Beer and malt	150	136	137	132	153	158	154	146	
Wine	91	111	140	141	176	246	358	418	
Spirit	8	10	15	18	18	27	27	30	
Total	266	268	310	315	398	459	561	613	
<b>Total food and beverage</b>									
Minimally transformed	1 055	2 016	2 072	1 967	3 468	3 011	3 255	3 335	
Substantially transformed	5 286	5 885	6 574	6 294	6 624	7 524	7 093	7 583	
Elaborately transformed	102	110	154	167	214	207	201	215	
Total	6 443	8 010	8 800	8 429	10 305	10 742	10 549	11 132	

a Includes ABARE estimates. b Six months data only. c ABS confidentiality restrictions. p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.2 Australian food exports to ASEAN member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	
<b>Minimally transformed</b>									
Live animals except fish	32	62	105	193	305	378	204	190	
Fish or shellfish	5	4	5	7	8	10	9	4	
<b>Horticulture</b>									
Vegetables	40	49	58	71	78	81	86	87	
Fruit and nuts	99	119	134	120	145	172	144	115	
Total	139	168	191	191	223	254	230	202	
Grains a	134	431	443	432	794	844	883	741	
Oilseeds	1	1	1	2	2	2	2	4	
Food n.e.c.	0	1	1	1	1	3	1	3	
<b>Substantially transformed</b>									
<b>Meat</b>									
Meat processing	61	89	121	142	185	221	203	184	
Poultry processing	0	0	0	0	0	0	1	1	
Bacon, ham and smallgoods	1	1	1	1	2	1	1	1	
Total	62	89	122	143	187	223	204	186	
Seafood	27	35	46	56	59	46	47	51	
<b>Dairy</b>									
Milk and cream processing	201	333	330	410	523	521	471	563	
Ice cream	1	1	3	5	4	7	8	7	
Other dairy products	124	147	146	159	202	175	169	180	
Total	327	481	479	575	729	703	647	750	
Fruit and vegetables	26	31	37	40	47	53	54	51	
Oil and fat	7	7	10	10	11	14	23	15	
<b>Flour mill and cereal food</b>									
Flour mill products	9	12	15	15	22	22	24	44	
Cereal food and baking mix	16	13	17	18	20	25	27	16	
Total	412	401	544	516	590	598	704	719	
<b>Bakery products</b>									
Bread, cake and pastry	1	2	2	2	3	3	1	1	
Biscuit	3	4	4	6	7	7	4	3	
Total	4	6	6	8	10	9	5	4	
<b>Other food</b>									
Sugar	4	4	1	14	92	339	58 b	10 c	
Confectionery	13	14	25	32	34	38	26	29	
Food n.e.c.	18	24	29	32	37	48	40	50	
Total	35	43	55	78	164	425	124	89	
<b>Beverages and malt</b>									
Soft drink, cordial and syrup	2	2	2	4	16	8	4	3	
Beer and malt	44	42	49	41	63	63	63	64	
Wine	5	6	7	7	14	19	17	24	
Spirit	0	2	1	1	4	5	5	3	
Total	52	52	59	53	97	95	88	93	
<b>Total food and beverage</b>									
Minimally transformed	311	667	746	826	1 333	1 491	1 329	1 144	
Substantially transformed	933	1 127	1 329	1 441	1 853	2 122	1 868	1 930	
Elaborately transformed	16	18	30	37	41	43	28	29	
Total	1 261	1 812	2 105	2 304	3 227	3 656	3 225	3 103	

a Includes ABARE estimates. b Six months data only. c ABS confidentiality restrictions. p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.3 Australian food exports to NAFTA member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	
<b>Minimally transformed</b>									
Live animals except fish	3	1	0	0	0	3	1	1	
Fish or shellfish	3	2	4	4	3	5	7	11	
<b>Horticulture</b>									
Vegetables	0	0	2	0	0	0	0	0	
Fruit and nuts	9	9	11	20	17	23	44	48	
Total	9	9	13	20	17	23	44	48	
Grains a	0	6	0	0	0	0	6	0	
Oilseeds	15	4	9	5	4	4	34	86	
Food n.e.c.	0	0	0	0	0	0	0	0	
<b>Substantially transformed</b>									
<b>Meat</b>									
Meat processing	1 358	1 320	1 290	843	579	666	903	1 118	
Poultry processing	0	0	0	0	0	0	0	0	
Bacon, ham and smallgoods	2	2	2	2	1	1	0	0	
Total	1 360	1 323	1 292	845	580	666	903	1 118	
Seafood	157	137	98	57	40	53	92	120	
<b>Dairy</b>									
Milk and cream processing	3	4	73	34	21	8	18	18	
Ice cream	0	0	0	0	0	0	0	0	
Other dairy products	24	44	53	49	44	73	96	152	
Total	28	48	127	83	65	81	114	170	
Fruit and vegetables	74	78	70	57	46	74	72	86	
Oil and fat	0	1	1	2	2	3	3	2	
<b>Flour mill and cereal food</b>									
Flour mill products	30	38	51	38	42	39	36	59	
Cereal food and baking mix	3	3	3	2	3	3	3	3	
Total	33	41	54	41	45	42	39	61	
<b>Bakery products</b>									
Bread, cake and pastry	0	0	0	0	0	0	0	0	
Biscuit	0	0	0	1	2	4	3	2	
Total	0	0	0	1	2	4	3	2	
<b>Other food</b>									
Sugar	6	18	11	24	136	374	64	9	c
Confectionery	3	3	2	2	2	2	2	3	
Food n.e.c.	1	4	5	3	8	7	9	18	
Total	9	24	19	29	147	383	75	31	
<b>Beverages and malt</b>									
Soft drink, cordial and syrup	4	1	1	1	1	1	1	0	
Beer and malt	19	4	3	3	2	1	1	1	
Wine	57	68	80	83	106	150	238	289	
Spirit	1	1	1	1	0	0	0	0	
Total	81	74	84	87	109	152	241	290	
<b>Total food and beverage</b>									
Minimally transformed	30	22	26	30	24	35	91	146	
Substantially transformed	1 740	1 723	1 742	1 199	1 033	1 452	1 537	1 877	
Elaborately transformed	3	2	2	3	4	6	5	5	
Total	1 772	1 748	1 771	1 232	1 061	1 493	1 633	2 028	

a Includes ABARE estimates. b Six months data only. c ABS confidentiality restrictions. p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.4 Australian food exports to EU member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	p
	\$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	6	3	2	1	2	2	3	7	
<b>Horticulture</b>									
Vegetables	23	12	21	24	13	7	21	18	
Fruit and nuts	40	21	11	8	11	12	23	24	
Total	63	33	32	32	23	19	45	42	
Grains a	64	113	18	17	46	79	102	44	
Oilseeds	5	6	13	8	7	9	56	147	
Food n.e.c.	4	3	3	3	4	3	3	3	
<b>Substantially transformed</b>									
<b>Meat</b>									
Meat processing	187	209	174	184	213	197	222	229	
Poultry processing	0	0	0	0	0	0	0	1	
Bacon, ham and smallgoods	19	19	15	17	11	10	9	18	
Total	206	228	189	201	223	207	231	247	
Seafood	35	43	29	29	33	15	20	37	
<b>Dairy</b>									
Milk and cream processing	0	1	2	1	0	2	4	3	
Ice cream	0	0	0	0	0	0	0	0	
Other dairy products	23	15	22	37	36	58	67	95	
Total	23	16	25	38	36	59	72	98	
Fruit and vegetables	139	199	130	89	104	93	89	86	
Oil and fat	1	5	1	1	1	1	2	2	
<b>Flour mill and cereal food</b>									
Flour mill products	0	0	0	0	0	0	0	1	
Cereal food and baking mix	1	1	2	2	2	3	5	4	
Total	1	1	3	2	2	3	5	5	
<b>Bakery products</b>									
Bread, cake and pastry	0	0	0	0	0	0	1	0	
Biscuit	0	0	0	0	0	0	2	1	
Total	0	0	0	0	0	1	3	1	
<b>Other food</b>									
Sugar	0	2	1	0	13	8	10	1	c
Confectionery	0	0	0	0	1	0	2	1	
Food n.e.c.	10	12	24	14	15	24	24	22	
Total	10	14	25	14	28	33	36	24	
<b>Beverages and malt</b>									
Soft drink, cordial and syrup	0	0	0	0	1	1	1	1	
Beer and malt	4	3	4	2	1	1	1	2	
Wine	143	171	213	227	275	330	477	612	
Spirit	2	3	2	2	4	1	0	2	
Total	150	177	219	232	281	333	479	616	
<b>Total food and beverage</b>									
Minimally transformed	140	158	68	61	82	112	208	243	
Substantially transformed	563	682	620	606	708	743	931	1 114	
Elaborately transformed	0	0	0	1	1	1	5	2	
Total	704	840	688	667	791	856	1 144	1 360	

a Includes ABARE estimates. b Six months data only. c ABS confidentiality restrictions. p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.5 Australian food exports to selected countries

	Japan		United States		United Kingdom	
	1997-98 \$m	1998-99 <sup>p</sup> \$m	1997-98 \$m	1998-99 <sup>p</sup> \$m	1997-98 \$m	1998-99 <sup>p</sup> \$m
<b>Minimally transformed</b>						
Live animals except fish	15	9	0	0	0	0
Fish or shellfish	168	161	7	11	0	1
<b>Horticulture</b>						
Vegetables	39	51	0	0	6	6
Fruit and nuts	20	19	42	45	11	13
Total	60	70	42	46	17	18
Grains <sup>a</sup>	465	396	0	0	0	0
Oilseeds	148	174	22	34	3	14
Food n.e.c.	4	18	0	0	2	2
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	1 481	1 492	758	923	106	112
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	26	26	0	0	0	0
Total	1 506	1 518	759	924	106	112
<b>Seafood</b>						
	272	287	91	118	0	2
<b>Dairy</b>						
Milk and cream processing	70	53	4	9	0	0
Ice cream	21	21	0	0	0	0
Other dairy products	292	322	72	103	19	30
Total	383	396	76	112	19	30
<b>Fruit and vegetables</b>						
	64	73	43	55	35	34
<b>Oil and fat</b>						
	13	12	2	2	1	1
<b>Flour mill and cereal food</b>						
Flour mill products	29	27	36	59	0	0
Cereal food and baking mix	26	30	1	1	4	2
Total	54	57	38	60	4	2
<b>Bakery products</b>						
Bread, cake and pastry	1	0	0	0	1	0
Biscuit	6	7	3	2	2	1
Total	7	7	3	2	3	1
<b>Other food</b>						
Sugar	27 <sup>b</sup>	5 <sup>c</sup>	35 <sup>b</sup>	9 <sup>c</sup>	0 <sup>b</sup>	0 <sup>c</sup>
Confectionery	50	41	2	2	2	1
Food n.e.c.	243	232	7	12	11	7
Total	320	278	44	23	12	8
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	1	1	1	0	1	0
Beer and malt	57	58	1	1	1	1
Wine	27	25	202	238	393	494
Spirit	13	13	0	0	0	1
Total	98	97	204	239	395	496
<b>Total food and beverage</b>						
Minimally transformed	860	828	70	91	23	36
Substantially transformed	2 672	2 685	1 255	1 531	572	685
Elaborately transformed	45	41	5	4	4	2
Total	3 577	3 554	1 330	1 626	599	723

Continued

## 6.5 Australian food exports to selected countries (continued)

	Hong Kong, China		New Zealand		Chinese Taipei	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	116	148	0	0	61	61
<b>Horticulture</b>						
Vegetables	22	19	12	13	9	15
Fruit and nuts	76	107	17	19	14	20
Total	98	126	30	33	23	35
Grains a	0	1	26	26	41	24
Oilseeds	0	0	2	4	1	2
Food n.e.c.	0	0	5	6	0	2
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	39	49	22	26	159	168
Poultry processing	5	9	0	0	0	0
Bacon, ham and smallgoods	1	1	5	2	0	0
Total	45	59	27	28	159	168
<b>Seafood</b>						
	126	105	7	7	117	108
<b>Dairy</b>						
Milk and cream processing	40	39	6	8	59	90
Ice cream	3	2	11	8	0	0
Other dairy products	25	25	10	8	18	22
Total	68	66	27	23	77	112
<b>Fruit and vegetables</b>						
	15	11	75	91	8	8
<b>Oil and fat</b>						
	45	32	27	29	1	1
<b>Flour mill and cereal food</b>						
Flour mill products	6	7	16	13	8	13
Cereal food and baking mix	9	8	39	41	5	6
Total	15	15	54	54	13	19
<b>Bakery products</b>						
Bread, cake and pastry	3	2	3	3	0	0
Biscuit	5	4	47	48	1	0
Total	7	6	50	51	1	0
<b>Other food</b>						
Sugar	1 b	0 c	19 b	2 c	17 b	29 c
Confectionery	14	13	41	50	5	10
Food n.e.c.	19	16	81	83	25	29
Total	33	29	141	135	46	68
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	2	1	13	13	1	1
Beer and malt	3	3	13	8	0	0
Wine	12	11	51	60	8	4
Spirit	1	1	6	11	0	0
Total	18	16	82	93	9	5
<b>Total food and beverage</b>						
Minimally transformed	214	275	63	68	126	124
Substantially transformed	354	323	404	416	426	480
Elaborately transformed	18	16	85	97	6	11
Total	587	614	552	580	558	615

Continued

## 6.5 Australian food exports to selected countries (continued)

	Philippines		China		Malaysia	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	102	118	1	0	22	24
Fish or shellfish	0	0	82	59	1	0
<b>Horticulture</b>						
Vegetables	1	2	0	0	38	38
Fruit and nuts	3	1	4	3	56	42
Total	4	3	5	3	93	80
<b>Grains a</b>						
Oilseeds	0	0	58	164	0	2
Food n.e.c.	0	1	0	0	0	0
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	56	50	30	33	46	44
Poultry processing	0	1	2	0	0	0
Bacon, ham and smallgoods	0	0	14	6	0	0
Total	56	51	45	39	46	44
<b>Seafood</b>						
	0	0	37	43	3	5
<b>Dairy</b>						
Milk and cream processing	164	226	8	8	129	126
Ice cream	0	0	0	0	1	0
Other dairy products	57	54	4	8	27	30
Total	220	280	12	16	157	156
<b>Fruit and vegetables</b>						
	13	13	4	2	19	17
<b>Oil and fat</b>						
	2	3	8	7	12	6
<b>Flour mill and cereal food</b>						
Flour mill products	11	9	1	1	5	5
Cereal food and baking mix	3	2	1	1	7	4
Total	14	12	2	2	12	9
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	0	0	0	0	1	0
Total	0	0	0	0	1	1
<b>Other food</b>						
Sugar	3 b	8 c	22 b	3 c	23 b	0 c
Confectionery	5	9	4	3	6	4
Food n.e.c.	2	4	2	2	17	17
Total	10	21	28	8	46	22
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	1	1	0	0	0	1
Beer and malt	36	31	1	0	5	4
Wine	1	1	3	2	4	6
Spirit	2	0	0	0	1	1
Total	39	33	4	2	10	11
<b>Total food and beverage</b>						
Minimally transformed	113	163	326	455	279	283
Substantially transformed	350	404	139	117	300	265
Elaborately transformed	5	9	2	2	7	5
Total	468	576	467	575	586	553

Continued



## 6.5 Australian food exports to selected countries (continued)

	Singapore		Republic of Korea		Saudi Arabia	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	2	2	1	0	0	0
Fish or shellfish	6	4	0	0	0	0
<b>Horticulture</b>						
Vegetables	40	39	2	1	1	0
Fruit and nuts	58	58	0	0	1	1
Total	98	97	2	2	2	1
<b>Grains a</b>	19	23	196	248	36	123
<b>Oilseeds</b>	0	0	10	12	0	0
<b>Food n.e.c.</b>	0	1	0	0	0	0
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	50	57	128	226	67	57
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	0	0
Total	50	58	128	226	67	57
<b>Seafood</b>	31	36	4	3	0	0
<b>Dairy</b>						
Milk and cream processing	55	72	12	8	28	26
Ice cream	7	7	1	0	0	0
Other dairy products	36	41	26	38	86	100
Total	98	120	39	47	113	126
<b>Fruit and vegetables</b>	13	13	4	3	15	10
<b>Oil and fat</b>	5	4	14	7	0	0
<b>Flour mill and cereal food</b>						
Flour mill products	2	3	1	2	1	1
Cereal food and baking mix	5	5	1	1	1	1
Total	7	8	2	2	1	1
<b>Bakery products</b>						
Bread, cake and pastry	1	1	0	0	0	0
Biscuit	2	1	0	0	0	0
Total	3	2	0	0	0	0
<b>Other food</b>						
Sugar	9 b	1 c	34 b	1 c	0 b	0 c
Confectionery	9	11	5	9	4	4
Food n.e.c.	11	16	11	28	5	7
Total	29	27	50	38	10	11
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	2	1	0	0	1	0
Beer and malt	3	4	13	9	0	0
Wine	10	11	1	1	0	0
Spirit	2	1	0	0	0	0
Total	16	18	14	10	1	0
<b>Total food and beverage</b>						
Minimally transformed	125	126	208	263	39	124
Substantially transformed	242	274	248	328	203	200
Elaborately transformed	10	11	5	9	4	4
Total	377	411	462	599	247	329

Continued

## 6.5 Australian food exports to selected countries (continued)

	Canada		Thailand		Egypt	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	25	104
Fish or shellfish	0	0	0	0	0	0
<b>Horticulture</b>						
Vegetables	0	0	3	3	0	0
Fruit and nuts	2	3	2	3	0	0
Total	2	3	5	6	0	0
Grains a	6	0	71	66	149	313
Oilseeds	3	2	1	2	0	0
Food n.e.c.	0	0	0	0	0	0
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	106	145	4	5	6	7
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	0	0
Total	106	145	4	5	6	7
Seafood	1	2	12	9	0	0
<b>Dairy</b>						
Milk and cream processing	0	1	92	103	1	19
Ice cream	0	0	0	0	0	0
Other dairy products	2	4	26	28	17	42
Total	2	5	118	131	18	61
Fruit and vegetables	28	30	3	3	6	27
Oil and fat	1	0	0	0	0	0
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	4	11	0	1
Cereal food and baking mix	1	1	10	3	0	0
Total	1	1	14	14	0	2
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	0	0	0	0	0	0
Total	0	0	0	0	0	0
<b>Other food</b>						
Sugar	29 b	0 c	0 b	0 c	15 b	0 c
Confectionery	0	1	3	3	0	0
Food n.e.c.	2	5	6	8	0	0
Total	31	6	9	11	15	0
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	0	0	0	0	0
Beer and malt	0	0	16	20	0	0
Wine	37	50	1	3	0	0
Spirit	0	0	0	0	0	0
Total	37	51	18	23	0	0
<b>Total food and beverage</b>						
Minimally transformed	11	5	77	74	174	417
Substantially transformed	207	240	177	193	45	98
Elaborately transformed	0	1	3	3	0	0
Total	218	246	257	270	219	516

Continued

## 6.5 Australian food exports to selected countries (continued)

	Indonesia		Germany		United Arab Emirates	
	1997-98 \$m	1998-99 <sup>p</sup> \$m	1997-98 \$m	1998-99 <sup>p</sup> \$m	1997-98 \$m	1998-99 <sup>p</sup> \$m
<b>Minimally transformed</b>						
Live animals except fish	73	39	0	0	59	40
Fish or shellfish	2	0	1	0	0	0
<b>Horticulture</b>						
Vegetables	3	2	5	5	2	3
Fruit and nuts	24	9	6	7	5	5
Total	27	12	10	11	7	8
<b>Grains a</b>	566	351	0	0	85	134
<b>Oilseeds</b>	0	0	32	71	0	0
<b>Food n.e.c.</b>	0	0	0	0	1	1
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	36	25	31	24	38	38
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	5	7	0	0
Total	36	25	36	31	38	38
<b>Seafood</b>	1	1	2	2	0	0
<b>Dairy</b>						
Milk and cream processing	30	37	0	0	2	5
Ice cream	0	0	0	0	0	0
Other dairy products	22	27	6	7	23	25
Total	52	63	6	8	25	30
<b>Fruit and vegetables</b>	4	4	18	19	12	11
<b>Oil and fat</b>	4	2	0	0	1	1
<b>Flour mill and cereal food</b>						
Flour mill products	1	16	0	1	0	0
Cereal food and baking mix	2	1	0	0	0	0
Total	3	17	0	1	1	1
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	1	1	0	0	0	0
Total	1	1	0	0	0	0
<b>Other food</b>						
Sugar	22 <sup>b</sup>	1 <sup>c</sup>	0 <sup>b</sup>	0 <sup>c</sup>	0 <sup>b</sup>	0 <sup>c</sup>
Confectionery	3	1	0	0	2	3
Food n.e.c.	4	4	5	6	4	6
Total	29	7	5	6	5	9
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	1	0	0	0	0	0
Beer and malt	3	5	0	0	7	8
Wine	1	2	15	31	2	1
Spirit	0	0	0	0	0	0
Total	5	8	15	32	9	9
<b>Total food and beverage</b>						
Minimally transformed	668	403	43	82	152	184
Substantially transformed	133	127	82	98	89	96
Elaborately transformed	3	1	0	0	2	3
Total	805	531	125	181	243	283

<sup>a</sup> Includes ABARE estimate. <sup>b</sup> Six months data only. <sup>c</sup> ABS confidentiality restrictions. <sup>p</sup> Preliminary.  
Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.6 Australian food imports from APEC member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	3	6	6	13	18	4	0	0
Fish or shellfish	17	15	16	19	22	24	29	30
<b>Horticulture</b>								
Vegetables	9	12	12	11	15	13	15	19
Fruit and nuts	58	47	52	55	65	62	74	73
Total	67	58	64	66	80	75	89	93
<b>Grains</b>								
Oilseeds	0	0	1	52	14	1	3	1
Food n.e.c.	34	32	33	46	39	36	34	22
Food n.e.c.	52	47	51	96	85	78	96	88
<b>Substantially transformed</b>								
<b>Meat</b>								
Meat processing	27	15	33	33	30	50	41	49
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	14	15	16	16	18	23	26	22
Total	41	29	49	49	48	73	68	71
<b>Seafood</b>								
Seafood	340	352	384	443	433	428	502	524
<b>Dairy</b>								
Milk and cream processing	12	17	13	17	21	19	25	32
Ice cream	7	9	6	6	4	6	11	18
Other dairy products	61	72	85	84	106	102	116	134
Total	80	98	103	106	132	127	151	184
<b>Fruit and vegetables</b>								
Fruit and vegetables	270	300	318	300	315	335	333	357
<b>Oil and fat</b>								
Oil and fat	70	97	100	122	126	118	138	153
<b>Flour mill and cereal food</b>								
Flour mill products	22	37	47	97	58	67	50	43
Cereal food and baking mix	47	53	55	55	66	80	103	105
Total	69	90	102	152	123	147	153	148
<b>Bakery products</b>								
Bread, cake and pastry	15	30	35	26	25	27	40	54
Biscuit	18	21	23	24	28	29	29	34
Total	33	51	58	50	53	56	69	89
<b>Other food</b>								
Sugar	8	6	5	9	5	6	6	6
Confectionery	29	40	34	40	46	61	88	87
Food n.e.c.	170	211	240	252	273	210	267	311
Total	206	257	280	301	324	277	361	404
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	17	27	31	36	35	20	23	28
Beer and malt	6	7	6	6	6	8	9	10
Wine	4	3	4	6	8	10	17	18
Spirit	53	54	53	58	63	140	171	210
Total	80	91	94	105	112	178	219	267
<b>Total food and beverage</b>								
Minimally transformed	173	159	171	292	258	218	251	234
Substantially transformed	1 152	1 326	1 448	1 588	1 619	1 688	1 930	2 129
Elaborately transformed	38	39	40	40	47	50	64	67
Total	1 363	1 524	1 659	1 921	1 924	1 956	2 245	2 430

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.7 Australian food imports from ASEAN member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
	\$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	2	0	0	0	0	0	1	1
<b>Horticulture</b>								
Vegetables	0	1	1	1	1	2	2	3
Fruit and nuts	1	1	2	2	1	2	2	2
Total	2	2	2	3	3	4	4	5
Grains	0	0	0	0	0	0	0	0
Oilseeds	1	0	0	0	0	0	0	0
Food n.e.c.	19	18	15	33	27	22	23	29
<b>Substantially 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	0
Total	0	0	0	0	0	0	0	0
Seafood	150	162	192	229	223	228	276	285
<b>Dairy</b>								
Milk and cream processing	0	0	0	0	0	0	0	0
Ice cream	0	0	0	0	0	0	0	0
Other dairy products	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Fruit and vegetables	64	65	62	64	69	79	77	85
Oil and fat	61	89	90	111	113	103	121	134
<b>Flour mill and cereal food</b>								
Flour mill products	1	1	1	1	1	2	1	2
Cereal food and baking mix	23	27	27	28	34	45	54	52
Total	24	28	28	29	35	47	55	54
<b>Bakery products</b>								
Bread, cake and pastry	4	3	5	5	6	6	5	6
Biscuit	3	4	3	4	4	5	8	14
Total	7	7	8	8	10	10	13	20
<b>Other food</b>								
Sugar	5	3	2	4	1	2	2	2
Confectionery	3	6	4	4	4	4	11	13
Food n.e.c.	71	87	100	109	119	110	149	174
Total	79	96	106	116	125	116	162	188
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	3	2	2	3	3	3	3	3
Beer and malt	0	0	0	0	0	0	0	1
Wine	0	0	0	0	0	0	0	0
Spirit	0	0	0	0	0	13	14	16
Total	3	3	3	3	4	17	17	19
<b>Total food and beverage</b>								
Minimally transformed	22	20	18	37	30	26	28	35
Substantially transformed	384	444	484	557	575	596	714	770
Elaborately transformed	4	6	5	4	4	5	8	14
Total	411	470	507	597	609	627	750	819

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.8 Australian food imports from NAFTA member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	1	6	12	17	4	0	0
Fish or shellfish	0	0	0	0	0	0	0	0
<b>Horticulture</b>								
Vegetables	4	3	3	3	6	4	5	6
Fruit and nuts	17	16	19	18	25	26	29	26
Total	21	19	22	21	31	30	34	31
Grains	0	0	0	52	13	0	2	0
Oilseeds	23	22	22	39	29	26	28	13
Food n.e.c.	1	1	1	5	2	2	2	1
<b>Substantially transformed</b>								
<b>Meat</b>								
Meat processing	14	6	9	14	13	37	31	41
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	7	4	4	3	4	7	11	12
Total	22	10	12	17	17	44	43	53
<b>Seafood</b>								
Seafood	61	64	57	65	62	57	63	66
<b>Dairy</b>								
Milk and cream processing	0	0	0	0	1	0	0	0
Ice cream	4	5	1	1	1	1	0	1
Other dairy products	4	10	12	5	6	4	5	4
Total	9	15	13	6	7	5	5	5
<b>Fruit and vegetables</b>								
Fruit and vegetables	86	109	133	103	107	108	115	126
<b>Oil and fat</b>								
Oil and fat	4	4	4	4	5	6	5	6
<b>Flour mill and cereal food</b>								
Flour mill products	19	34	44	89	50	60	42	34
Cereal food and baking mix	7	6	7	8	5	9	13	12
Total	27	40	52	97	56	69	55	46
<b>Bakery products</b>								
Bread, cake and pastry	3	16	14	6	8	7	15	26
Biscuit	3	2	2	2	2	3	3	4
Total	5	17	16	8	9	10	18	30
<b>Other food</b>								
Sugar	1	1	2	2	2	2	2	2
Confectionery	7	12	11	13	19	34	51	47
Food n.e.c.	37	45	48	45	54	29	33	39
Total	45	58	61	60	74	65	86	88
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	119	145	190	180	213	219	77	13
Beer and malt	4	5	4	4	5	6	7	8
Wine	0	0	1	2	2	1	1	1
Spirit	51	54	51	54	55	88	107	116
Total	174	204	247	240	275	314	192	137
<b>Total food and beverage</b>								
Minimally transformed	46	43	52	129	92	61	66	46
Substantially transformed	426	518	589	594	606	656	548	527
Elaborately transformed	6	4	6	5	7	22	34	28
Total	478	564	646	729	704	739	649	602

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.9 Australian food imports from EU member countries

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99 p
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	0	1	1	1	0	0	0	0
Fish or shellfish	0	0	0	0	0	0	0	0
<b>Horticulture</b>								
Vegetables	0	0	1	0	1	0	1	1
Fruit and nuts	4	4	5	7	5	6	7	9
Total	5	4	5	7	5	6	7	10
Grains	0	0	0	5	0	0	0	0
Oilseeds	0	0	0	0	0	0	0	1
Food n.e.c.	2	2	2	7	2	4	2	2
<b>Substantially transformed</b>								
<b>Meat</b>								
Meat processing	0	0	0	0	0	0	0	2
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	9	11	7	7	7	5	6	5
Total	9	11	7	7	7	5	6	7
Seafood	29	29	27	30	31	32	32	35
<b>Dairy</b>								
Milk and cream processing	1	1	2	1	1	0	1	1
Ice cream	0	3	0	2	1	7	4	15
Other dairy products	49	59	52	58	58	58	60	58
Total	50	63	54	61	59	65	64	74
Fruit and vegetables	73	83	93	105	97	104	121	149
Oil and fat	49	59	54	70	95	93	79	95
<b>Flour mill and cereal food</b>								
Flour mill products	1	2	1	12	5	3	4	4
Cereal food and baking mix	18	17	17	18	24	25	29	31
Total	19	19	18	30	29	28	33	35
<b>Bakery products</b>								
Bread, cake and pastry	9	10	11	13	15	21	20	19
Biscuit	20	21	19	19	19	22	24	23
Total	29	31	30	31	34	42	44	42
<b>Other food</b>								
Sugar	3	2	1	1	1	1	1	2
Confectionery	47	62	66	81	91	105	107	96
Food n.e.c.	76	87	97	121	122	93	109	114
Total	126	151	165	204	215	198	217	212
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	12	17	26	21	19	21	197	246
Beer and malt	10	13	10	13	14	18	22	33
Wine	40	43	41	52	47	53	73	80
Spirit	118	124	126	111	109	143	152	179
Total	180	196	204	197	188	236	444	538
<b>Total food and beverage</b>								
Minimally transformed	7	7	8	21	8	11	9	13
Substantially transformed	514	580	585	666	678	772	998	1 150
Elaborately transformed	52	62	66	68	77	32	42	37
Total	572	650	659	755	763	815	1050	1200

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

## 6.10 Australian food imports from selected countries

	New Zealand		United States		Thailand	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	26	28	0	0	0	0
<b>Horticulture</b>						
Vegetables	3	6	5	5	1	2
Fruit and nuts	33	37	28	25	2	2
Total	36	42	33	30	3	3
<b>Grains</b>						
Grains	1	1	0	0	0	0
Oilseeds	0	1	22	9	0	0
Food n.e.c.	0	0	1	1	4	3
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	9	7	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	14	9	11	11	0	0
Total	22	17	11	12	0	0
<b>Seafood</b>						
Seafood	96	108	41	38	216	235
<b>Dairy</b>						
Milk and cream processing	23	29	0	0	0	0
Ice cream	10	17	0	1	0	0
Other dairy products	110	129	4	3	0	0
Total	144	175	4	4	0	0
<b>Fruit and vegetables</b>						
Fruit and vegetables	90	85	102	109	40	41
<b>Oil and fat</b>						
Oil and fat	2	2	4	5	1	1
<b>Flour mill and cereal food</b>						
Flour mill products	5	4	42	34	1	1
Cereal food and baking mix	11	11	12	10	37	40
Total	15	15	54	44	39	41
<b>Bakery products</b>						
Bread, Cake and pastry	12	14	13	24	1	1
Biscuit	14	13	3	3	3	6
Total	26	27	16	27	4	7
<b>Other food</b>						
Sugar	1	1	2	1	1	1
Confectionery	19	22	48	43	0	0
Food n.e.c.	36	46	26	30	20	23
Total	56	69	75	75	21	25
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	5	10	11	11	0	0
Beer and malt	1	1	3	3	0	0
Wine	14	16	1	1	0	0
Spirit	40	54	90	110	9	9
Total	60	81	104	125	9	9
<b>Total food and beverage</b>						
Minimally transformed	63	71	56	40	8	7
Substantially transformed	495	559	380	413	328	353
Elaborately transformed	16	19	32	26	3	6
Total	575	649	468	479	339	366

Continued



**6.10** *Australian food imports from selected countries (continued)*

	Ireland		Italy		United Kingdom	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$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	1	4	0	0
Total	0	0	1	4	0	0
<b>Grains</b>	0	0	0	0	0	0
<b>Oilseeds</b>	0	0	0	0	0	0
<b>Food n.e.c.</b>	0	0	1	1	0	0
<b>Substantially 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	0	0
Total	0	0	0	0	0	0
<b>Seafood</b>	1	0	4	5	8	7
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	0	9	0	2
Other dairy products	0	0	16	17	2	1
Total	0	0	16	26	2	3
<b>Fruit and vegetables</b>	1	0	42	51	9	9
<b>Oil and fat</b>	0	0	25	32	1	1
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	0	0	0	0
Cereal food and baking mix	4	1	20	22	4	6
Total	4	1	20	22	4	6
<b>Bakery products</b>						
Bread, cake and pastry	0	0	3	4	5	6
Biscuit	0	0	2	2	9	9
Total	0	0	5	6	14	15
<b>Other food</b>						
Sugar	0	0	0	0	0	1
Confectionery	0	0	16	16	30	25
Food n.e.c.	0	0	18	27	24	41
Total	0	0	35	43	55	68
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	186	232	3	4	1	1
Beer and malt	6	6	1	1	6	14
Wine	0	0	23	23	0	1
Spirit	14	15	8	19	92	103
Total	206	253	35	46	99	119
<b>Total food and beverage</b>						
Minimally transformed	0	0	2	5	1	1
Substantially transformed	212	255	179	230	175	211
Elaborately transformed	0	0	3	2	16	15
Total	212	255	184	237	192	227

*Continued*

## 6.10 Australian food imports from selected countries (continued)

	Malaysia		Singapore		China	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$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	4	4
Fruit and nuts	0	0	0	0	9	8
Total	0	0	0	0	13	12
Grains	0	0	0	0	0	0
Oilseeds	0	0	0	0	5	8
Food n.e.c.	1	2	1	2	0	1
<b>Substantially 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	0
Total	0	0	0	0	1	0
Seafood	27	24	15	9	13	13
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	0	0	0	0
Other dairy products	0	0	0	0	0	0
Total	0	0	0	0	0	0
Fruit and vegetables	2	3	7	8	37	45
Oil and fat	98	106	14	17	7	5
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	0	0	1	1
Cereal food and baking mix	10	7	3	2	8	10
Total	10	7	3	2	9	11
<b>Bakery products</b>						
Bread, cake and pastry	2	2	3	3	3	4
Biscuit	1	1	1	1	1	1
Total	3	3	4	4	4	6
<b>Other food</b>						
Sugar	0	0	0	0	1	1
Confectionery	1	1	7	8	2	2
Food n.e.c.	31	36	55	70	12	10
Total	31	37	62	78	14	12
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	0	1	1	1	1
Beer and malt	0	0	0	0	0	0
Wine	0	0	0	0	0	0
Spirit	3	3	1	2	4	6
Total	3	4	3	3	5	8
<b>Total food and beverage</b>						
Minimally transformed	1	2	2	2	18	22
Substantially transformed	174	183	107	121	88	97
Elaborately transformed	1	1	1	1	2	1
Total	176	186	109	125	107	120

Continued

## 6.10 Australian food imports from selected countries (continued)

	Indonesia		France		Spain	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$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	0	1	3	2
Total	0	0	0	1	3	2
<b>Grains</b>	0	0	0	0	0	0
<b>Oilseeds</b>	0	0	0	0	0	0
<b>Food n.e.c.</b>	15	21	0	0	0	0
<b>Substantially 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	1	1	0	0
Total	0	0	1	1	0	0
<b>Seafood</b>	15	15	0	0	2	2
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	0	1	1	0
Other dairy products	0	0	5	6	0	0
Total	0	0	5	7	1	0
<b>Fruit and vegetables</b>	12	16	9	11	17	19
<b>Oil and fat</b>	8	9	0	0	40	50
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	0	1	0	0
Cereal food and baking mix	3	3	0	1	0	0
Total	3	3	0	2	0	0
<b>Bakery products</b>						
Bread, cake and pastry	0	0	0	0	0	0
Biscuit	2	5	1	1	0	0
Total	2	5	1	1	0	0
<b>Other food</b>						
Sugar	1	1	0	0	0	0
Confectionery	3	3	7	3	10	10
Food n.e.c.	31	35	14	12	5	6
Total	35	39	22	15	15	16
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	0	0	6	6	0	0
Beer and malt	0	0	0	0	0	0
Wine	0	0	35	43	10	9
Spirit	1	1	15	17	0	0
Total	2	2	56	67	11	10
<b>Total food and beverage</b>						
Minimally transformed	15	22	1	1	3	2
Substantially transformed	75	85	92	102	85	96
Elaborately transformed	2	5	3	2	1	1
Total	93	111	96	105	89	99

Continued

## 6.10 Australian food imports from selected countries (continued)

	Canada		Viet Nam		Brazil	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	1	1	0	0
<b>Horticulture</b>						
Vegetables	0	0	0	0	0	0
Fruit and nuts	0	0	0	0	0	0
Total	0	0	0	0	0	0
Grains	2	0	0	0	0	0
Oilseeds	2	0	0	0	0	0
Food n.e.c.	0	0	31	34	18	16
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	31	41	0	0	0	0
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	0	0	0	0	0	0
Total	32	41	0	0	0	0
<b>Seafood</b>						
Seafood	21	27	21	31	0	0
<b>Dairy</b>						
Milk and cream processing	0	0	0	0	0	0
Ice cream	0	0	0	0	0	0
Other dairy products	1	1	0	0	0	0
Total	1	1	0	0	0	0
Fruit and vegetables	5	6	23	23	27	50
Oil and fat	0	1	0	0	0	0
<b>Flour mill and cereal food</b>						
Flour mill products	0	0	0	0	0	0
Cereal food and baking mix	1	2	1	1	1	1
Total	1	2	1	1	1	1
<b>Bakery products</b>						
Bread, cake and pastry	2	2	0	0	0	0
Biscuit	0	0	0	0	0	0
Total	2	2	0	1	0	0
<b>Other food</b>						
Sugar	0	0	0	0	0	0
Confectionery	2	3	0	0	2	2
Food n.e.c.	7	9	1	2	5	13
Total	9	12	1	2	7	15
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	2	1	0	0	0	0
Beer and malt	0	0	0	0	0	0
Wine	0	0	0	0	0	0
Spirit	3	2	0	0	0	0
Total	5	3	0	0	0	0
<b>Total food and beverage</b>						
Minimally transformed	4	1	32	35	18	16
Substantially transformed	75	94	22	33	50	70
Elaborately transformed	2	2	0	0	0	0
Total	80	96	54	69	68	87

Continued

**6.10** *Australian food imports from selected countries (continued)*

	Netherlands		India		Papua New Guinea	
	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m	1997-98 \$m	1998-99 p \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	0	0	0	0	1	1
<b>Horticulture</b>						
Vegetables	0	1	0	0	0	0
Fruit and nuts	0	0	0	0	0	0
Total	0	1	1	1	0	0
<b>Grains</b>						
Oilseeds	0	0	2	3	0	0
Food n.e.c.	0	0	10	9	69	52
<b>Substantially 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	3	3	0	0	0	0
Total	3	3	0	0	0	1
<b>Seafood</b>						
	2	2	11	15	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	9	8	0	0	0	0
Total	9	8	0	0	0	0
<b>Fruit and vegetables</b>						
	7	11	24	34	0	0
<b>Oil and fat</b>						
	3	2	1	2	0	1
<b>Flour mill and cereal food</b>						
Flour mill products	2	1	0	0	0	0
Cereal food and baking mix	0	0	3	3	0	0
Total	2	1	3	3	0	0
<b>Bakery products</b>						
Bread, cake and pastry	2	2	1	1	0	0
Biscuit	1	2	0	0	0	0
Total	3	4	1	1	0	0
<b>Other food</b>						
Sugar	0	0	0	0	0	0
Confectionery	10	11	0	0	0	0
Food n.e.c.	36	15	14	9	6	7
Total	45	26	14	9	6	7
<b>Beverage and malt</b>						
Soft drink, cordial and syrup	1	1	0	0	0	0
Beer and malt	7	8	0	0	0	0
Wine	0	0	0	0	0	0
Spirit	9	10	0	0	0	0
Total	17	19	0	0	0	0
<b>Total food and beverage</b>						
Minimally transformed	1	1	13	12	69	53
Substantially transformed	90	75	53	65	8	11
Elaborately transformed	2	2	0	0	0	0
Total	93	78	66	77	78	64

p Preliminary.

Source: ABS, *International Trade*, electronic data service, cat. no. 5464.0, Canberra.

MAJOR EXPORTING COUNTRIES

**7.1** *World trade in processed food, by major exporting countries a*

	1994	1995	1996	1997	1998 p	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Meat</b>						
Australia	2 780	2 622	2 263	2 554	2 450	5.8
Denmark	3 876	4 119	3 995	4 018	3 575	9.0
France	4 090	4 613	4 317	4 218	3 870	9.7
Netherlands	5 104	5 422	5 303	4 645	4 332	11.4
United States	5 195	6 462	6 958	6 894	6 411	14.7
Other	18 723	21 707	22 606	22 838	21 230	49.3
Total	39 768	44 944	45 443	45 167	41 869	100.0
<b>Dairy</b>						
Australia	1 039	1 102	1 373	1 356	1 349	4.4
France	4 150	4 807	4 402	4 176	4 088	15.4
Germany	4 123	5 111	5 199	4 816	4 666	17.1
Netherlands	3 862	4 646	4 355	3 488	3 779	14.4
New Zealand	1 683	1 811	2 326	2 406	2 135	7.4
Other	9 771	12 480	11 964	11 719	11 914	41.3
Total	24 630	29 957	29 619	27 960	27 931	100.0
<b>Seafood</b>						
Australia	83	78	78	99	86	1.0
China	523	788	1 131	1 054	923	10.7
Denmark	483	511	483	439	463	5.8
Korea, Rep. of	362	395	417	375	287	4.4
Thailand	1 489	1 590	1 611	1 882	2 437	21.8
Other	4 055	4 603	4 898	4 876	4 786	56.2
Total	6 994	7 966	8 619	8 725	8 982	100.0
<b>Horticulture</b>						
Australia	148	163	156	150	115	0.7
China	1 166	1 576	1 391	1 397	1 390	6.7
Italy	1 414	1 719	1 812	1 626	1 745	8.1
Netherlands	2 185	2 744	2 257	1 882	1 931	10.7
United States	2 057	2 116	2 246	2 368	2 393	10.8
Other	11 575	13 390	14 580	13 611	11 776	63.0
Total	18 545	21 708	22 442	21 033	19 350	100.0
<b>Beverages c</b>						
Australia	341	383	507	593	632	1.6
France	7 145	8 065	8 087	8 277	8 831	26.0
Germany	1 860	2 027	1 971	1 721	1 641	5.9
Italy	2 287	2 740	2 893	2 744	3 022	8.8
United Kingdom	4 341	4 729	4 913	5 388	4 788	15.6
Other	11 147	12 983	13 835	13 840	13 515	42.1
Total	27 121	30 926	32 207	32 564	32 429	100.0
<b>Sugar and confectionery</b>						
Australia	1 318	1 483	1 398	1 377	1 016	5.5
Belgium-Luxembourg	1 498	1 992	1 794	1 708	1 747	7.3
Brazil	1 112	2 050	1 735	1 919	2 082	7.4
France	2 593	3 190	3 144	2 526	2 455	11.5
Germany	2 268	2 545	2 826	2 472	2 286	10.3
Other	11 784	13 847	15 303	14 518	14 471	58.0
Total	20 573	25 107	26 200	24 520	24 057	100.0

*Continued*

## 7.1 World trade in processed food, by major exporting countries <sup>a</sup> (continued)

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Animal and vegetable oil</b>						
Argentina	1 533	2 095	1 902	2 234	2 621	8.2
Australia	199	238	238	263	286	1.0
Malaysia	4 066	5 140	4 776	4 775	5 575	19.1
Netherlands	1 484	1 857	1 764	1 738	1 933	6.9
United States	1 919	2 597	1 880	2 225	2 815	9.0
Other	11 534	15 083	14 253	15 766	14 558	55.9
Total	20 735	27 010	24 813	27 001	27 788	100.0
<b>Animal feed <sup>d</sup></b>						
Argentina	1 349	1 255	2 367	2 399	1 946	8.7
Australia	294	305	390	413	324	1.6
Brazil	2 152	2 184	2 930	2 842	1 800	11.1
Netherlands	2 038	2 315	2 229	2 080	1 820	9.8
United States	3 445	3 785	4 338	4 782	4 206	19.2
Other	9 011	10 259	11 510	11 619	10 594	49.5
Total	18 289	20 103	23 763	24 135	20 690	100.0
<b>Cereal products</b>						
Australia	199	237	304	318	262	1.7
Belgium-Luxembourg	1 002	1 261	1 370	1 402	1 396	8.2
France	1 515	1 886	2 066	1 913	1 817	11.7
Germany	1 461	1 602	1 660	1 630	1 541	10.1
Italy	1 512	1 790	2 109	1 980	1 986	11.9
Other	7 098	8 513	9 827	9 731	9 112	56.4
Total	12 787	15 290	17 336	16 973	16 115	100.0
<b>Other processed food</b>						
Australia	142	146	178	193	156	0.5
Brazil	2 724	2 610	2 291	3 321	2 854	8.3
France	1 996	2 320	2 575	2 608	2 191	7.0
Netherlands	1 578	1 915	1 735	1 703	1 593	5.1
United States	2 375	2 150	2 563	2 858	2 798	7.7
Other	20 936	24 372	23 399	25 032	24 623	71.3
Total	29 750	33 513	32 740	35 715	34 214	100.0
<b>All processed food</b>						
Australia	6 544	6 757	6 885	7 316	6 661	2.7
France	24 320	28 342	27 901	26 961	26 560	10.7
Germany	17 944	20 791	21 109	19 945	19 719	7.9
Netherlands	20 142	23 453	21 989	19 390	18 734	8.2
United States	19 146	21 466	22 201	23 670	23 175	8.7
Other	131 095	155 713	163 099	166 512	161 163	61.8
Total	219 192	256 524	263 183	263 794	256 013	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 1994-98. <sup>c</sup> Alcoholic and nonalcoholic. <sup>d</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap33/exp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap33/exp_cat.htm); ABARE.

## 7.2 Value of food exports, European Union

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	4 927	5 496	5 263	4 382	4 280	2.7
<b>Fish or shellfish</b>						
Fish, live or fresh	4 204	4 680	4 892	4 999	4 957	2.6
Fish, dried, salted or smoked	674	667	674	646	661	0.4
Shellfish	1 702	1 871	2 101	2 107	2 102	1.1
<b>Horticulture</b>						
Vegetables	9 041	10 630	10 197	9 324	9 846	5.5
Fruit and nuts	9 101	9 872	10 436	11 312	11 051	5.8
<b>Cocoa</b>						
Cocoa	1 314	1 550	1 530	1 601	1 659	0.9
<b>Eggs, albumin</b>						
Eggs, albumin	909	963	1 155	1 008	960	0.6
<b>Grains and oilseeds</b>						
Barley	1 388	1 739	1 966	1 499	1 164	0.9
Maize	1 968	1 937	1 935	1 665	1 655	1.0
Oilseeds, not soft oil	124	125	137	179	175	0.1
Oilseeds, soft oil	1 172	1 154	1 323	1 613	1 747	0.8
Rice	932	1 021	1 072	950	902	0.5
Wheat or meslin	4 054	5 010	5 260	4 504	3 955	2.5
Other cereal grains, n.e.c.	308	523	642	346	336	0.2
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	7 638	8 076	5 967	5 884	5 807	3.7
Meat, fresh, chilled or frozen	11 010	12 753	13 837	13 107	11 746	7.0
Meat or offal, preserved	1 226	1 431	1 721	1 614	1 382	0.8
Meat or offal, preserved, n.e.c.	3 070	3 459	3 599	3 500	3 324	1.9
<b>Dairy</b>						
Milk products, excluding butter and cheese	8 925	11 532	10 309	9 804	9 836	5.6
Butter and cheese	2 246	2 962	2 506	2 417	2 420	1.4
Cheese and curd	8 216	9 302	9 696	8 537	8 741	5.0
<b>Fish or shellfish</b>						
Fish or shellfish	1 832	2 128	2 193	2 110	2 314	1.2
<b>Cereal products</b>						
Flour or meal from wheat or meslin	1 274	1 443	1 662	1 473	1 141	0.8
Cereal flour or meal, n.e.c.	151	155	180	164	135	0.1
Cereal etc flour or starch	7 262	8 629	9 520	9 258	9 334	4.9
<b>Horticulture</b>						
Vegetables, prepared or preserved	4 764	5 757	5 459	5 072	5 366	2.9
Fruit, prepared or preserved	2 180	2 627	2 668	2 416	2 542	1.4
Fruit or vegetable juices	1 861	2 207	2 369	2 191	2 615	1.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	3 927	4 713	4 435	4 254	4 219	2.4
Sugar confectionery	2 045	2 350	2 361	2 238	2 155	1.2
Chocolate and cocoa preparations	5 026	6 070	6 426	5 519	5 168	3.1

Continued



## 7.2 Value of food exports, European Union (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	642	1 025	1 024	1 151	1 132	0.6
Animal oil or fat	542	712	681	705	675	0.4
Vegetable oil or fat, fixed, soft	4 027	5 261	5 565	5 473	5 365	2.9
Vegetable oils, fixed, not soft	491	708	732	794	848	0.4
Animal or vegetable oils, processed	1 254	1 566	1 413	1 355	1 399	0.8
<b>Other food</b>						
Coffee and coffee substitutes	2 281	2 648	2 605	2 867	2 759	1.5
Tea and mate	423	468	493	489	572	0.3
Spices	265	309	324	372	414	0.2
Edible products, n.e.c.	8 826	10 762	10 364	9 557	9 376	5.4
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	2 315	2 731	2 640	2 602	2 552	1.4
Alcoholic beverages	18 809	21 253	22 027	22 176	22 042	11.8
<b>Animal feed b</b>	6 800	7 872	7 986	8 024	7 776	4.3
<b>Total</b>	161 144	188 146	189 343	181 258	178 606	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

## 7.3 Value of food exports, NAFTA

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	1 936	2 173	2 063	2 273	2 235	3.0
<b>Fish or shellfish</b>						
Fish, live or fresh	2 662	2 884	2 740	2 598	2 273	3.7
Fish, dried, salted or smoked	321	358	408	271	259	0.5
Shellfish	2 075	2 321	2 178	2 189	1 959	3.1
<b>Horticulture</b>						
Vegetables	3 313	3 934	3 792	3 949	4 509	5.6
Fruit and nuts	3 727	4 113	4 329	4 254	4 131	5.9
Cocoa	54	75	76	98	106	0.1
Eggs, albumin	191	199	245	246	243	0.3
<b>Grains and oilseeds</b>						
Barley	509	457	585	582	232	0.7
Maize	4 254	7 612	8 740	5 488	4 696	8.8
Oilseeds, not soft oil	187	261	257	310	325	0.4
Oilseeds, soft oil	5 906	7 177	8 800	9 049	6 523	10.7
Rice	1 010	997	1 032	935	1 212	1.5
Wheat or meslin	6 649	8 395	9 164	7 412	5 756	10.7
Other cereal grains, n.e.c.	860	962	1 078	939	775	1.3
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	2 658	2 999	2 881	3 114	3 048	4.2
Meat, fresh, chilled or frozen	3 150	4 159	4 930	4 898	4 438	6.1
Meat or offal, preserved	131	148	156	156	155	0.2
Meat or offal, preserved, n.e.c.	411	500	627	714	672	0.8
<b>Dairy</b>						
Milk products, excluding butter and cheese	466	579	509	629	609	0.8
Butter and cheese	110	74	73	48	41	0.1
Cheese and curd	104	139	166	214	217	0.2
Fish or shellfish	587	602	649	631	618	0.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	283	313	211	195	189	0.3
Cereal flour or meal, n.e.c.	135	113	134	142	137	0.2
Cereal etc flour or starch	1 359	1 464	1 720	1 902	2 001	2.4
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 204	1 361	1 442	1 659	1 795	2.1
Fruit, prepared or preserved	744	619	704	709	712	1.0
Fruit or vegetable juices	635	800	797	841	857	1.1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	504	645	855	796	890	1.1
Sugar confectionery	402	460	500	630	659	0.8
Chocolate and cocoa preparations	548	559	641	719	692	0.9

Continued

## 7.3 Value of food exports, NAFTA (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	62	66	80	83	95	0.1
Animal oil or fat	679	948	722	691	800	1.1
Vegetable oil or fat, fixed, soft	1 408	1 836	1 394	1 697	2 321	2.5
Vegetable oils, fixed, not soft	38	50	72	89	93	0.1
Animal or vegetable oils, processed	190	259	262	282	326	0.4
<b>Other food</b>						
Coffee and coffee substitutes	704	1 113	1 101	1 313	1 181	1.5
Tea and mate	55	61	55	64	64	0.1
Spices	63	58	72	78	92	0.1
Edible products, n.e.c.	2 454	2 268	2 732	3 091	3 116	3.9
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	529	540	507	645	672	0.8
Alcoholic beverages	1 880	2 094	2 253	2 420	2 619	3.2
<b>Animal feed b</b>	3 956	4 376	5 086	5 595	4 923	6.8
<b>Total</b>	59 103	71 123	76 821	74 639	69 264	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## MAJOR EXPORTING COUNTRIES

**7.4** *Value of food exports, APEC a*

	1994	1995	1996	1997	1998 p	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
<b>Live animals except fish</b>	3 041	3 465	3 469	3 662	3 558	2.6
<b>Fish or shellfish</b>						
Fish, live or fresh	5 880	6 729	6 505	6 765	6 288	4.8
Fish, dried, salted or smoked	673	729	736	591	521	0.5
Shellfish	8 131	8 596	7 725	7 493	7 062	5.8
<b>Horticulture</b>						
Vegetables	6 041	6 617	6 607	6 534	7 046	4.9
Fruit and nuts	6 458	7 221	7 746	7 518	7 288	5.4
<b>Cocoa</b>	812	848	905	964	1 008	0.7
<b>Eggs, albumin</b>	270	284	355	354	334	0.2
<b>Grains and oilseeds</b>						
Barley	759	672	1 255	1 147	798	0.7
Maize	5 269	7 696	8 845	6 438	5 408	5.0
Oilseeds, not soft oil	281	335	301	354	378	0.2
Oilseeds, soft oil	6 676	7 814	9 475	9 540	7 022	6.1
Rice	3 379	3 173	3 392	3 590	4 664	2.7
Wheat or meslin	8 331	9 706	12 290	10 683	9 029	7.5
Other cereal grains, n.e.c.	985	1 043	1 306	1 055	875	0.8
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	5 664	5 831	5 248	5 711	5 508	4.2
Meat, fresh, chilled or frozen	5 702	7 197	8 174	8 116	7 263	5.5
Meat or offal, preserved	163	180	184	183	180	0.1
Meat or offal, preserved, n.e.c.	837	1 065	1 212	1 306	1 225	0.8
<b>Dairy</b>						
Milk products, excluding butter and cheese	2 200	2 413	2 842	2 941	2 686	2.0
Butter and cheese	723	717	873	868	809	0.6
Cheese and curd	737	868	1 048	1 171	1 130	0.7
<b>Fish or shellfish</b>	3 585	3 984	4 457	4 779	4 907	3.2
<b>Cereal products</b>						
Flour or meal from wheat or meslin	458	530	537	492	415	0.4
Cereal flour or meal, n.e.c.	220	181	236	234	215	0.2
Cereal etc flour or starch	2 184	2 433	2 812	2 993	2 856	2.0
<b>Horticulture</b>						
Vegetables, prepared or preserved	2 716	3 210	3 067	3 115	3 211	2.3
Fruit, prepared or preserved	1 939	1 897	2 138	1 994	1 929	1.5
Fruit or vegetable juices	944	1 229	1 309	1 268	1 227	0.9
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	3 082	3 728	4 125	3 575	3 332	2.7
Sugar confectionery	772	904	962	1 065	1 023	0.7
Chocolate and cocoa preparations	798	814	940	998	936	0.7

Continued

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

	1994	1995	1996	1997	1998 <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	222	295	267	410	405	0.2
Animal oil or fat	939	1 260	1 013	947	1 051	0.8
Vegetable oil or fat, fixed, soft	1 849	2 320	1 840	2 441	2 791	1.7
Vegetable oils, fixed, not soft	5 084	6 074	5 898	6 970	6 629	4.6
Animal or vegetable oils, processed	1 584	2 164	1 747	1 490	1 824	1.3
<b>Other food</b>						
Coffee and coffee substitutes	1 928	2 273	2 022	2 165	2 058	1.6
Tea and mate	498	480	515	548	612	0.4
Spices	602	790	755	985	976	0.6
Edible products, n.e.c.	4 201	4 297	4 907	5 165	5 139	3.5
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	1 021	1 074	1 088	1 192	1 216	0.8
Alcoholic beverages	3 136	3 571	3 955	4 357	4 562	2.9
<b>Animal feed <sup>c</sup></b>	5 931	6 500	7 400	7 672	6 537	5.1
<b>Total</b>	116 704	133 206	142 483	141 838	133 930	100.0

<sup>a</sup> No data available for Laos and Viet Nam. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

## MAJOR EXPORTING COUNTRIES

**7.5** *Value of food exports, ASEAN a*

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share b %
<b>Minimally transformed</b>						
<b>Live animals except fish</b>	262	265	297	270	225	0.9
<b>Fish or shellfish</b>						
Fish, live or fresh	1 098	1 260	1 242	1 253	1 167	4.3
Fish, dried, salted or smoked	167	166	176	137	116	0.5
Shellfish	4 092	4 172	3 798	3 582	3 421	13.7
<b>Horticulture</b>						
Vegetables	854	824	882	701	656	2.8
Fruit and nuts	807	844	992	982	903	3.3
<b>Cocoa</b>	722	731	777	812	861	2.8
<b>Eggs, albumin</b>	37	38	52	50	45	0.2
<b>Grains and oilseeds</b>						
Barley	0	0	0	0	0	0.0
Maize	38	43	30	36	92	0.2
Oilseeds, not soft oil	51	39	11	20	32	0.1
Oilseeds, soft oil	48	50	46	42	37	0.2
Rice	1 616	1 986	2 088	2 190	2 102	7.2
Wheat or meslin	2	1	1	1	1	0.0
Other cereal grains, n.e.c.	5	6	17	13	13	0.0
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	7	7	8	5	4	0.0
Meat, fresh, chilled or frozen	472	481	431	421	418	1.6
Meat or offal, preserved	4	4	6	4	2	0.0
Meat or offal, preserved, n.e.c.	107	157	161	187	185	0.6
<b>Dairy</b>						
Milk products, excluding butter and cheese	177	199	215	220	167	0.7
Butter and cheese	11	13	15	11	10	0.0
Cheese and curd	4	4	5	4	3	0.0
<b>Fish or shellfish</b>	1 880	1 967	2 002	2 244	2 806	7.8
<b>Cereal products</b>						
Flour or meal from wheat or meslin	51	58	42	48	39	0.2
Cereal flour or meal, n.e.c.	66	52	67	63	64	0.2
Cereal etc flour or starch	309	355	410	372	319	1.3
<b>Horticulture</b>						
Vegetables, prepared or preserved	363	381	381	326	307	1.3
Fruit, prepared or preserved	706	684	812	646	605	2.5
Fruit or vegetable juices	170	204	247	186	178	0.7
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	941	1 405	1 579	1 268	1 253	4.6
Sugar confectionery	160	208	217	188	154	0.7
Chocolate and cocoa preparations	84	89	102	97	87	0.3

*Continued*

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

	1994	1995	1996	1997	1998 <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	103	165	113	213	208	0.6
Animal oil or fat	4	4	13	6	8	0.0
Vegetable oil or fat, fixed, soft	203	241	197	211	221	0.8
Vegetable oils, fixed, not soft	4 761	5 782	5 678	6 731	6 446	21.1
Animal or vegetable oils, processed	1 309	1 775	1 353	1 077	1 375	5.0
<b>Other food</b>						
Coffee and coffee substitutes	1 178	1 114	868	774	815	3.4
Tea and mate	127	117	145	117	142	0.5
Spices	370	516	442	674	708	1.9
Edible products, n.e.c.	715	824	928	831	730	2.9
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	195	199	221	197	178	0.7
Alcoholic beverages	521	598	598	544	416	1.9
<b>Animal feed <sup>c</sup></b>	618	667	772	640	581	2.4
<b>Total</b>	25 415	28 693	28 438	28 395	28 102	100.0

<sup>a</sup> No data available for Laos, Myanmar and Viet Nam. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

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

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Minimally transformed</b>						
Live animals except fish	587	519	533	684	678	1.2
<b>Fish or shellfish</b>						
Fish, live or fresh	1 805	2 039	1 858	1 650	1 314	3.5
Fish, dried, salted or smoked	100	102	120	65	60	0.2
Shellfish	810	721	668	661	534	1.4
<b>Horticulture</b>						
Vegetables	1 523	1 532	1 448	1 545	1 644	3.1
Fruit and nuts	3 172	3 452	3 619	3 570	3 283	6.9
Cocoa	34	39	49	62	67	0.1
Eggs, albumin	158	164	207	207	207	0.4
<b>Grains and oilseeds</b>						
Barley	154	178	211	211	77	0.3
Maize	4 187	7 533	8 623	5 417	4 617	12.3
Oilseeds, not soft oil	37	35	41	59	110	0.1
Oilseeds, soft oil	4 682	5 877	7 797	7 891	5 315	12.8
Rice	1 008	996	1 029	932	1 208	2.1
Wheat or meslin	4 056	5 457	6 302	4 178	3 712	9.6
Other cereal grains, n.e.c.	694	717	799	648	594	1.4
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	2 251	2 592	2 375	2 433	2 251	4.8
Meat, fresh, chilled or frozen	2 532	3 389	4 019	3 800	3 530	7.0
Meat or offal, preserved	78	96	91	90	101	0.2
Meat or offal, preserved, n.e.c.	334	385	473	571	529	0.9
<b>Dairy</b>						
Milk products, excluding butter and cheese	380	459	333	448	441	0.8
Butter and cheese	108	63	42	26	14	0.1
Cheese and curd	72	89	105	123	117	0.2
Fish or shellfish	317	316	284	254	262	0.6
<b>Cereal products</b>						
Flour or meal from wheat or meslin	216	241	149	140	129	0.4
Cereal flour or meal, n.e.c.	107	90	108	118	114	0.2
Cereal etc flour or starch	842	833	912	986	1 029	1.9
<b>Horticulture</b>						
Vegetables, prepared or preserved	937	1 036	1 089	1 210	1 260	2.2
Fruit, prepared or preserved	585	433	521	490	479	1.0
Fruit or vegetable juices	535	647	636	668	654	1.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	303	354	380	359	380	0.7
Sugar confectionery	230	224	240	300	271	0.5
Chocolate and cocoa preparations	349	317	351	373	323	0.7

Continued



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

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Animal and vegetable oil</b>						
Margarine and shortening	57	61	74	73	86	0.1
Animal oil or fat	605	834	611	570	685	1.3
Vegetable oil or fat, fixed, soft	1 084	1 480	964	1 323	1 747	2.7
Vegetable oils, fixed, not soft	33	41	59	73	78	0.1
Animal or vegetable oils, processed	139	182	171	186	219	0.4
<b>Other food</b>						
Coffee and coffee substitutes	195	197	203	221	234	0.4
Tea and mate	35	32	34	33	29	0.1
Spices	45	36	43	46	55	0.1
Edible products, n.e.c.	2 099	1 884	2 283	2 557	2 480	4.6
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	344	332	244	299	302	0.6
Alcoholic beverages	889	1 039	1 068	1 119	1 171	2.1
<b>Animal feed <sup>c</sup></b>	3 445	3 785	4 338	4 782	4 206	8.3
<b>Total</b>	42 154	50 827	55 504	51 449	46 596	100.0

<sup>a</sup> Includes Puerto Rico and the US Virgin Islands. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 7.7 Value of food exports, France

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	1 826	1 928	1 723	1 671	1 741	4.7
<b>Fish or shellfish</b>						
Fish, live or fresh	541	532	556	604	608	1.5
Fish, dried, salted or smoked	55	76	51	36	41	0.1
Shellfish	184	214	203	244	254	0.6
<b>Horticulture</b>						
Vegetables	1 101	1 255	1 225	1 104	1 287	3.2
Fruit and nuts	1 190	1 348	1 487	1 461	1 391	3.6
<b>Cocoa</b>						
Eggs, albumin	144	204	183	181	288	0.5
<b>Grains and oilseeds</b>						
Barley	533	573	631	565	585	1.5
Maize	1 655	1 642	1 617	1 393	1 408	4.1
Oilseeds, not soft oil	17	17	17	15	18	0.0
Oilseeds, soft oil	413	561	726	907	947	1.9
Rice	50	62	70	59	47	0.2
Wheat or meslin	1 999	2 964	2 883	2 365	1 975	6.5
Other cereal grains, n.e.c.	97	70	77	63	65	0.2
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 531	1 574	1 117	1 082	1 039	3.4
Meat, fresh, chilled or frozen	2 020	2 352	2 548	2 493	2 216	6.2
Meat or offal, preserved	90	104	116	115	101	0.3
Meat or offal, preserved, n.e.c.	449	582	537	529	514	1.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 912	2 233	1 915	1 945	1 868	5.2
Butter and cheese	266	330	250	229	205	0.7
Cheese and curd	1 972	2 243	2 238	2 003	2 015	5.5
<b>Fish or shellfish</b>						
	105	151	171	205	169	0.4
<b>Cereal products</b>						
Flour or meal from wheat or meslin	364	462	533	421	304	1.1
Cereal flour or meal, n.e.c.	48	46	55	51	49	0.1
Cereal etc flour or starch	1 103	1 378	1 478	1 440	1 464	3.6
<b>Horticulture</b>						
Vegetables, prepared or preserved	603	708	707	663	668	1.8
Fruit, prepared or preserved	226	267	257	249	268	0.7
Fruit or vegetable juices	84	116	96	115	133	0.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 653	1 850	1 913	1 511	1 470	4.4
Sugar confectionery	206	217	203	190	203	0.5
Chocolate and cocoa preparations	734	1 123	1 028	825	782	2.4

Continued

## 7.7 Value of food exports, France (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	47	48	41	39	42	0.1
Animal oil or fat	85	122	104	107	113	0.3
Vegetable oil or fat, fixed, soft	429	522	443	451	473	1.2
Vegetable oils, fixed, not soft	23	28	36	36	28	0.1
Animal or vegetable oils, processed	52	121	90	66	60	0.2
<b>Other food</b>						
Coffee and coffee substitutes	368	281	448	289	298	0.9
Tea and mate	28	39	40	29	36	0.1
Spices	35	40	36	35	41	0.1
Edible products, n.e.c.	1 565	1 960	2 051	2 255	1 817	5.1
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	747	871	759	784	822	2.1
Alcoholic beverages	6 398	7 194	7 328	7 493	8 009	19.3
<b>Animal feed b</b>	1 175	1 378	1 365	1 312	1 354	3.5
<b>Total</b>	34 234	39 916	39 501	37 758	37 356	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 7.8 Value of food exports, Netherlands

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share a %
<b>Minimally transformed</b>						
<b>Live animals except fish</b>	827	976	1 066	397	362	2.5
<b>Fish or shellfish</b>						
Fish, live or fresh	695	808	770	697	693	2.5
Fish, dried, salted or smoked	59	60	61	66	59	0.2
Shellfish	232	237	232	203	162	0.7
<b>Horticulture</b>						
Vegetables	3 304	3 724	3 269	2 741	2 853	11.0
Fruit and nuts	1 167	1 256	1 276	1 089	1 128	4.1
<b>Cocoa</b>						
Cocoa	824	956	990	1 003	980	3.3
<b>Eggs, albumin</b>						
Eggs, albumin	476	471	557	461	407	1.6
<b>Grains and oilseeds</b>						
Barley	26	32	16	43	23	0.1
Maize	57	30	25	23	28	0.1
Oilseeds, not soft oil	41	27	29	31	31	0.1
Oilseeds, soft oil	423	238	213	304	426	1.1
Rice	109	86	102	107	106	0.4
Wheat or meslin	60	51	77	66	48	0.2
Other cereal grains, n.e.c.	26	20	41	18	16	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 570	1 604	1 325	1 358	1 359	5.0
Meat, fresh, chilled or frozen	2 859	3 033	3 063	2 517	2 335	9.6
Meat or offal, preserved	266	322	445	373	291	1.2
Meat or offal, preserved, n.e.c.	409	463	471	398	347	1.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 310	1 721	1 501	1 248	1 323	4.9
Butter and cheese	524	652	565	492	545	1.9
Cheese and curd	2 028	2 273	2 288	1 747	1 911	7.1
<b>Fish or shellfish</b>						
Fish or shellfish	322	369	333	268	319	1.1
<b>Cereal products</b>						
Flour or meal from wheat or meslin	80	115	129	125	97	0.4
Cereal flour or meal, n.e.c.	8	7	9	14	12	0.0
Cereal etc flour or starch	763	853	779	675	612	2.6
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 365	1 826	1 378	1 247	1 255	4.9
Fruit, prepared or preserved	276	325	323	250	244	1.0
Fruit or vegetable juices	544	593	556	385	432	1.7
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	322	356	285	366	369	1.2
Sugar confectionery	276	325	294	239	197	0.9
Chocolate and cocoa preparations	648	742	655	572	516	2.2

Continued

## 7.8 Value of food exports, Netherlands (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	165	252	248	227	220	0.8
Animal oil or fat	74	94	87	88	82	0.3
Vegetable oil or fat, fixed, soft	642	751	645	634	763	2.4
Vegetable oils, fixed, not soft	188	267	327	372	443	1.1
Animal or vegetable oils, processed	414	492	458	416	425	1.5
<b>Other food</b>						
Coffee and coffee substitutes	150	189	158	201	121	0.6
Tea and mate	68	79	78	32	26	0.2
Spices	60	77	75	96	115	0.3
Edible products, n.e.c.	1 301	1 571	1 424	1 376	1 331	4.9
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	344	391	374	350	292	1.2
Alcoholic beverages	1 128	1 397	1 489	1 246	931	4.3
<b>Animal feed b</b>	2 038	2 315	2 229	2 080	1 820	7.3
<b>Total</b>	28 468	32 424	30 713	26 640	26 057	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 7.9 Value of food exports, Germany

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share a %
<b>Minimally transformed</b>						
<b>Live animals except fish</b>	652	710	630	629	621	2.7
<b>Fish or shellfish</b>						
Fish, live or fresh	280	352	461	419	315	1.5
Fish, dried, salted or smoked	19	31	69	55	61	0.2
Shellfish	47	48	63	58	61	0.2
<b>Horticulture</b>						
Vegetables	374	436	434	350	370	1.7
Fruit and nuts	293	364	423	430	401	1.6
<b>Cocoa</b>						
Cocoa	208	223	209	181	123	0.8
<b>Eggs, albumin</b>						
Eggs, albumin	90	86	126	100	100	0.4
<b>Grains and oilseeds</b>						
Barley	263	434	596	251	118	1.4
Maize	80	86	99	84	75	0.4
Oilseeds, not soft oil	11	15	16	21	18	0.1
Oilseeds, soft oil	196	202	176	173	145	0.8
Rice	41	48	53	35	35	0.2
Wheat or meslin	827	801	969	778	811	3.5
Other cereal grains, n.e.c.	65	293	296	113	90	0.7
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 183	1 145	993	1 018	965	4.5
Meat, fresh, chilled or frozen	460	593	691	631	667	2.6
Meat or offal, preserved	65	74	103	76	53	0.3
Meat or offal, preserved, n.e.c.	319	383	397	361	355	1.5
<b>Dairy</b>						
Milk products, excluding butter and cheese	2 554	3 259	3 205	2 953	2 901	12.5
Butter and cheese	156	241	192	156	138	0.7
Cheese and curd	1 413	1 611	1 801	1 707	1 627	6.9
<b>Fish or shellfish</b>						
Fish or shellfish	269	291	355	323	352	1.3
<b>Cereal products</b>						
Flour or meal from wheat or meslin	148	173	176	165	138	0.7
Cereal flour or meal, n.e.c.	27	24	29	21	17	0.1
Cereal etc flour or starch	1 287	1 404	1 455	1 445	1 386	5.9
<b>Horticulture</b>						
Vegetables, prepared or preserved	302	358	380	366	388	1.5
Fruit, prepared or preserved	359	414	425	386	372	1.6
Fruit or vegetable juices	464	531	593	450	472	2.1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	778	893	844	797	768	3.4
Sugar confectionery	348	400	399	369	368	1.6
Chocolate and cocoa preparations	1 142	1 252	1 583	1 306	1 150	5.4

Continued

## 7.9 Value of food exports, Germany (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	93	154	160	299	288	0.8
Animal oil or fat	120	136	131	119	136	0.5
Vegetable oil or fat, fixed, soft	595	804	646	737	870	3.1
Vegetable oils, fixed, not soft	87	120	106	93	99	0.4
Animal or vegetable oils, processed	391	462	406	359	375	1.7
<b>Other food</b>						
Coffee and coffee substitutes	821	996	945	1 057	1 028	4.1
Tea and mate	71	81	80	84	82	0.3
Spices	62	72	70	81	84	0.3
Edible products, n.e.c.	1 229	1 446	1 448	1 298	1 437	5.8
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	251	267	277	276	248	1.1
Alcoholic beverages	1 609	1 761	1 694	1 445	1 394	6.7
<b>Animal feed b</b>	1 343	1 446	1 525	1 567	1 562	6.3
<b>Total</b>	21 390	24 921	25 729	23 623	23 061	100.0

a Average, 1994-98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 7.10 Value of food exports, Belgium–Luxembourg

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share a %
<i>Minimally transformed</i>						
<b>Live animals except fish</b>	481	554	517	421	387	2.8
<b>Fish or shellfish</b>						
Fish, live or fresh	77	91	105	195	201	0.8
Fish, dried, salted or smoked	14	14	13	11	9	0.1
Shellfish	100	111	124	168	160	0.8
<b>Horticulture</b>						
Vegetables	1 059	1 165	1 150	1 081	1 261	6.9
Fruit and nuts	591	484	512	1 643	1 773	6.0
<b>Cocoa</b>	25	35	16	81	116	0.3
<b>Eggs, albumin</b>	136	147	172	164	139	0.9
<b>Grains and oilseeds</b>						
Barley	62	44	77	82	27	0.4
Maize	60	102	81	39	24	0.4
Oilseeds, not soft oil	27	41	40	61	63	0.3
Oilseeds, soft oil	15	30	24	58	59	0.2
Rice	161	193	194	140	128	1.0
Wheat or meslin	116	163	98	92	137	0.7
Other cereal grains, n.e.c.	11	12	28	12	13	0.1
<i>Substantially transformed</i>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	548	552	459	431	395	2.9
Meat, fresh, chilled or frozen	1 389	1 702	1 928	1 806	1 613	10.2
Meat or offal, preserved	108	113	126	117	106	0.7
Meat or offal, preserved, n.e.c.	500	580	628	666	620	3.6
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 192	1 618	1 382	1 192	1 287	8.0
Butter and cheese	349	434	372	365	412	2.3
Cheese and curd	429	455	462	403	419	2.6
<b>Fish or shellfish</b>	68	75	85	93	103	0.5
<b>Cereal products</b>						
Flour or meal from wheat or meslin	207	200	254	240	186	1.3
Cereal flour or meal, n.e.c.	9	12	13	9	8	0.1
Cereal etc flour or starch	786	1 050	1 103	1 152	1 202	6.4
<b>Horticulture</b>						
Vegetables, prepared or preserved	496	586	572	484	543	3.2
Fruit, prepared or preserved	161	191	200	211	220	1.2
Fruit or vegetable juices	117	185	276	401	528	1.8
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	437	687	456	521	551	3.2
Sugar confectionery	232	269	257	228	237	1.5
Chocolate and cocoa preparations	828	1 036	1 081	958	959	5.9

Continued



## 7.10 Value of food exports, Belgium–Luxembourg (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	185	275	258	233	226	1.4
Animal oil or fat	60	83	82	90	64	0.5
Vegetable oil or fat, fixed, soft	366	518	464	528	480	2.8
Vegetable oils, fixed, not soft	47	76	83	95	97	0.5
Animal or vegetable oils, processed	69	79	67	75	136	0.5
<b>Other food</b>						
Coffee and coffee substitutes	293	387	318	490	470	2.4
Tea and mate	31	26	31	36	47	0.2
Spices	8	10	11	17	21	0.1
Edible products, n.e.c.	586	705	698	679	691	4.0
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	304	364	367	362	300	2.0
Alcoholic beverages	461	594	561	521	532	3.2
<b>Animal feed b</b>	682	879	913	1 057	932	5.4
<b>Total</b>	13 885	16 925	16 661	17 707	17 885	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

MAJOR IMPORTING COUNTRIES

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

	1994	1995	1996	1997	1998 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Meat</b>						
Australia	31	37	43	51	36	0.1
Germany	5 260	5 835	5 852	5 016	4 495	12.6
Italy	3 552	3 692	3 633	3 447	3 517	8.5
Japan	7 764	9 653	9 373	7 584	6 759	19.5
United Kingdom	2 889	3 619	3 937	3 678	3 354	8.3
Other	19 128	20 757	22 325	23 112	22 047	51.0
Total	38 623	43 592	45 164	42 889	40 208	100.0
<b>Dairy</b>						
Australia	114	135	154	141	147	0.5
Belgium-Luxembourg	1 988	2 853	2 265	1 975	2 129	8.8
Germany	3 101	3 941	3 627	3 376	3 097	13.5
Italy	2 787	3 077	2 993	2 731	2 763	11.3
Netherlands	2 024	2 979	2 280	1 969	1 943	8.8
Other	12 417	14 945	15 617	14 882	14 957	57.2
Total	22 431	27 930	26 936	25 075	25 035	100.0
<b>Seafood</b>						
Australia	166	162	175	160	156	1.9
France	604	780	774	698	792	8.4
Japan	1 960	2 336	2 419	2 382	1 904	25.2
United Kingdom	630	794	851	838	898	9.2
United States	952	970	1 074	1 241	1 431	13.0
Other	3 304	3 610	3 964	3 790	3 815	42.4
Total	7 615	8 652	9 256	9 108	8 997	100.0
<b>Horticulture</b>						
Australia	204	237	255	221	212	1.1
France	1 694	2 062	2 001	1 835	1 978	9.0
Germany	3 006	3 486	3 545	3 100	3 011	15.1
Japan	2 314	2 629	2 549	2 316	2 214	11.3
United States	2 272	2 338	2 739	2 819	2 769	12.1
Other	9 192	10 958	11 839	11 362	11 690	51.5
Total	18 682	21 710	22 928	21 653	21 875	100.0
<b>Beverages <sup>c</sup></b>						
Australia	247	253	267	297	294	0.9
Germany	2 753	3 021	3 123	3 000	3 036	10.3
Japan	2 193	2 272	1 972	1 902	2 420	7.4
United Kingdom	2 776	3 097	3 482	3 913	4 325	12.1
United States	4 611	4 903	5 647	6 376	6 896	19.5
Other	12 364	14 106	15 437	15 488	15 168	49.8
Total	24 944	27 651	29 928	30 976	32 139	100.0
<b>Sugar and confectionery</b>						
Australia	112	129	148	163	157	0.6
France	1 431	1 800	1 671	1 527	1 523	7.2
Germany	1 687	1 845	1 866	1 778	1 759	8.1
United Kingdom	1 757	1 885	1 951	1 857	1 823	8.4
United States	1 677	1 916	2 464	2 562	2 385	9.9
Other	11 774	14 631	17 165	15 097	14 388	65.9
Total	18 437	22 206	25 265	22 984	22 034	100.0

Continued

## 8.1 Value of world trade in processed foods, by major importing countries <sup>a</sup> (continued)

	1994	1995	1996	1997	1998 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Australia	165	197	218	204	205	0.9
Germany	1 207	1 406	1 404	1 378	1 401	6.1
Italy	1 418	1 419	1 802	1 849	1 494	7.1
United Kingdom	896	1 055	1 173	1 128	1 043	4.7
United States	1 290	1 457	1 660	1 650	1 603	6.9
Other	13 957	19 210	17 709	17 400	14 780	74.3
Total	18 932	24 744	23 966	23 610	20 526	100.0
<b>Animal feed <sup>d</sup></b>						
Australia	78	76	82	99	100	0.4
China	348	421	1 298	1 791	1 405	4.7
France	1 530	1 490	1 700	1 714	1 523	7.2
Germany	1 599	1 793	1 969	1 841	1 656	8.0
Japan	1 852	2 209	2 287	2 374	2 046	9.7
Other	13 957	14 770	17 282	16 504	15 051	70.0
Total	19 363	20 759	24 618	24 322	21 781	100.0
<b>Cereal products</b>						
Australia	86	101	107	122	104	0.7
France	1 164	1 342	1 445	1 344	1 370	9.6
Germany	1 251	1 456	1 449	1 273	1 264	9.6
United Kingdom	640	763	881	988	1 056	6.2
United States	1 039	1 157	1 288	1 407	1 541	9.2
Other	7 670	9 195	10 118	9 101	8 898	64.6
Total	11 850	14 015	15 287	14 236	14 233	100.0
<b>Other processed food</b>						
Australia	521	621	634	676	854	1.9
France	1 897	2 346	2 112	2 232	2 244	6.1
Germany	3 851	5 101	4 258	4 554	4 337	12.5
Japan	2 157	2 580	2 632	2 775	2 549	7.2
United States	3 740	4 591	4 253	5 493	5 271	13.2
Other	17 799	20 996	21 097	22 545	22 187	59.1
Total	29 965	36 236	34 985	38 275	37 442	100.0
<b>All processed food</b>						
Australia	1 789	2 015	2 158	2 217	2 265	0.9
Germany	24 961	29 250	28 517	26 643	25 446	11.1
Japan	21 066	25 222	24 877	22 827	21 113	9.5
United Kingdom	16 234	18 594	19 959	20 146	20 399	7.8
United States	20 303	21 775	24 075	26 856	27 706	9.9
Other	126 490	150 638	158 748	154 437	150 889	60.9
Total	210 843	247 495	258 333	253 127	247 818	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 1994–98. <sup>c</sup> Alcoholic and nonalcoholic. <sup>d</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 8.2 World imports, by level of transformation <sup>a</sup>

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 <sup>p</sup> US\$m	Share <sup>b</sup> %
<b>Minimally transformed</b>						
<b>Live animals except fish</b>	8 622	9 770	9 525	8 381	8 215	2.2
<b>Fish or shellfish</b>						
Fish, live or fresh	19 916	22 012	23 191	22 671	22 086	5.5
Fish, dried, salted or smoked	2 397	2 759	2 810	2 524	2 554	0.6
Shellfish	16 699	18 112	17 299	17 025	16 498	4.3
<b>Horticulture</b>						
Vegetables	18 685	21 343	21 717	20 212	21 369	5.1
Fruit and nuts	26 822	29 524	32 409	31 838	30 966	7.5
<b>Cocoa</b>	4 653	5 338	6 097	5 720	6 309	1.4
<b>Eggs, albumin</b>	1 276	1 291	1 625	1 560	1 415	0.4
<b>Grains and oilseeds</b>						
Barley	2 427	3 063	3 576	2 257	1 462	0.6
Maize	8 128	10 745	12 160	9 737	9 009	2.5
Oilseeds, not soft oil	691	787	849	904	908	0.2
Oilseeds, soft oil	12 045	12 609	14 952	15 859	14 520	3.5
Rice	5 339	4 913	6 552	4 815	5 574	1.4
Wheat or meslin	11 981	15 436	19 068	15 585	13 790	3.8
Other cereal grains, n.e.c.	1 569	1 778	2 433	1 687	1 506	0.4
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	14 333	14 869	12 847	13 062	12 877	3.4
Meat, fresh, chilled or frozen	18 684	22 174	25 145	22 999	20 796	5.5
Meat or offal, preserved	1 271	1 575	1 874	1 723	1 510	0.4
Meat or offal, preserved, n.e.c.	4 336	4 974	5 297	5 106	5 025	1.2
<b>Dairy</b>						
Milk products, excluding butter and cheese	10 855	14 018	13 105	12 176	12 334	3.1
Butter and cheese	2 680	3 481	3 166	3 173	3 053	0.8
Cheese and curd	8 895	10 431	10 665	9 726	9 649	2.5
<b>Fish or shellfish</b>	7 615	8 652	9 256	9 108	8 997	2.2
<b>Cereal products</b>						
Flour or meal from wheat or meslin	1 062	1 322	1 622	1 298	1 193	0.3
Cereal flour or meal, n.e.c.	277	309	399	370	342	0.1
Cereal etc flour or starch	10 511	12 384	13 266	12 568	12 698	3.1
<b>Horticulture</b>						
Vegetables, prepared or preserved	8 209	9 679	9 761	9 397	9 535	2.3
Fruit, prepared or preserved	5 662	6 128	6 384	6 326	6 281	1.5
Fruit or vegetable juices	4 810	5 903	6 782	5 930	6 058	1.5
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	10 089	12 422	14 767	12 704	11 867	3.1
Sugar confectionery	2 886	3 452	3 661	3 643	3 513	0.9
Chocolate and cocoa preparations	5 462	6 333	6 837	6 637	6 653	1.6

Continued

## 8.2 World imports <sup>a</sup> (continued)

	1994	1995	1996	1997	1998 <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	709	891	1 028	1 153	1 157	0.2
Animal oil or fat	1 618	2 247	2 087	1 969	1 902	0.5
Vegetable oil or fat, fixed, soft	8 113	10 248	10 478	10 560	10 429	2.5
Vegetable oils, fixed, not soft	5 872	7 916	7 480	7 235	7 713	1.8
Animal or vegetable oils, processed	2 620	3 442	2 892	2 693	2 873	0.7
<b>Other food</b>						
Coffee and coffee substitutes	13 408	17 305	14 292	17 458	16 240	3.9
Tea and mate	2 004	2 107	2 361	2 451	2 651	0.6
Spices	1 575	1 854	2 005	2 245	2 231	0.5
Edible products, n.e.c.	12 980	14 970	16 327	16 121	16 321	3.8
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	3 413	3 792	3 780	3 874	4 069	0.9
Alcoholic beverages	21 531	23 859	26 148	27 102	28 070	6.3
<b>Animal feed <sup>c</sup></b>	19 363	20 759	24 618	24 322	21 781	5.5
<b>Total</b>	352 092	406 975	432 595	413 899	403 999	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

## 8.3 Value of food imports, European Union

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<i>Minimally transformed</i>						
<b>Live animals except fish</b>	4 412	4 712	4 774	4 036	4 079	2.3
<b>Fish or shellfish</b>						
Fish, live or fresh	7 059	7 890	8 293	8 020	8 931	4.2
Fish, dried, salted or smoked	1 198	1 360	1 401	1 257	1 419	0.7
Shellfish	4 008	4 663	4 620	4 661	5 183	2.4
<b>Horticulture</b>						
Vegetables	10 789	12 461	12 235	10 852	11 311	6.1
Fruit and nuts	15 242	16 955	18 119	17 548	17 177	9.0
<b>Cocoa</b>	2 919	3 409	3 683	3 133	3 497	1.8
<b>Eggs, albumin</b>	738	749	981	913	799	0.4
<b>Grains and oilseeds</b>						
Barley	754	1 220	1 266	841	650	0.5
Maize	2 348	2 670	2 535	2 119	1 974	1.2
Oilseeds, not soft oil	328	381	412	457	466	0.2
Oilseeds, soft oil	6 293	6 511	7 102	6 672	6 412	3.5
Rice	1 293	1 259	1 473	1 273	1 169	0.7
Wheat or meslin	3 198	4 042	4 096	3 822	3 634	2.0
Other cereal grains, n.e.c.	289	435	581	307	277	0.2
<i>Substantially transformed</i>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	7 072	7 406	5 559	5 306	5 552	3.3
Meat, fresh, chilled or frozen	9 983	11 592	13 027	11 910	10 729	6.1
Meat or offal, preserved	1 069	1 371	1 626	1 383	1 184	0.7
Meat or offal, preserved, n.e.c.	2 505	2 963	2 867	2 732	2 748	1.5
<b>Dairy</b>						
Milk products, excluding butter and cheese	6 526	8 591	7 410	6 852	7 331	3.9
Butter and cheese	2 118	2 824	2 298	2 367	2 290	1.3
Cheese and curd	6 839	7 909	7 935	7 177	7 093	3.9
<b>Fish or shellfish</b>	3 293	3 803	4 015	3 789	4 117	2.0
<b>Cereal products</b>						
Flour or meal from wheat or meslin	298	323	338	306	318	0.2
Cereal flour or meal, n.e.c.	92	107	123	115	110	0.1
Cereal etc flour or starch	5 382	6 235	6 684	6 439	6 671	3.3
<b>Horticulture</b>						
Vegetables, prepared or preserved	4 423	5 406	5 294	4 719	4 888	2.6
Fruit, prepared or preserved	3 082	3 287	3 423	3 360	3 530	1.8
Fruit or vegetable juices	2 657	3 456	3 745	3 255	3 605	1.8
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	3 606	4 636	4 832	4 396	4 350	2.3
Sugar confectionery	1 378	1 592	1 640	1 578	1 516	0.8
Chocolate and cocoa preparations	3 538	4 001	4 083	3 914	4 024	2.1

Continued

## 8.3 Value of food imports, European Union (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	424	504	537	532	548	0.3
Animal oil or fat	762	981	886	843	721	0.4
Vegetable oil or fat, fixed, soft	3 148	3 573	3 998	3 907	3 686	1.9
Vegetable oils, fixed, not soft	1 917	2 441	2 561	2 343	2 831	1.3
Animal or vegetable oils, processed	1 472	1 877	1 563	1 414	1 527	0.8
<b>Other food</b>						
Coffee and coffee substitutes	7 031	9 355	7 485	8 889	8 208	4.3
Tea and mate	724	741	780	816	864	0.4
Spices	484	596	600	756	787	0.3
Edible products, n.e.c.	6 450	7 471	7 494	6 984	7 256	3.8
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	1 636	1 811	1 761	1 725	1 900	0.9
Alcoholic beverages	10 806	12 154	13 031	13 216	13 820	6.7
<b>Animal feed b</b>	11 174	11 458	12 758	11 571	10 484	6.1
<b>Total</b>	170 756	197 179	199 924	188 504	189 668	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

## 8.4 Value of food imports, NAFTA

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	1 773	1 936	1 870	2 059	2 113	3.5
<b>Fish or shellfish</b>						
Fish, live or fresh	2 578	2 840	2 907	3 152	3 377	5.3
Fish, dried, salted or smoked	169	192	181	184	200	0.3
Shellfish	3 951	3 870	3 769	4 394	4 469	7.4
<b>Horticulture</b>						
Vegetables	2 618	2 890	3 252	3 371	3 985	5.8
Fruit and nuts	4 535	4 618	4 997	5 234	5 502	8.9
<b>Cocoa</b>						
	879	910	1 185	1 197	1 391	2.0
<b>Eggs, albumin</b>						
	88	67	88	100	115	0.2
<b>Grains and oilseeds</b>						
Barley	206	148	207	174	147	0.3
Maize	550	577	1 342	640	949	1.5
Oilseeds, not soft oil	75	84	120	132	118	0.2
Oilseeds, soft oil	1 217	1 103	1 671	1 917	1 666	2.7
Rice	336	311	410	489	434	0.7
Wheat or meslin	492	472	699	712	648	1.1
Other cereal grains, n.e.c.	630	473	596	607	596	1.0
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	2 517	1 924	1 830	2 310	2 622	4.0
Meat, fresh, chilled or frozen	1 275	1 123	1 310	1 526	1 521	2.4
Meat or offal, preserved	106	89	101	110	104	0.2
Meat or offal, preserved, n.e.c.	785	693	677	712	748	1.3
<b>Dairy</b>						
Milk products, excluding butter and cheese	497	419	596	623	597	1.0
Butter and cheese	67	49	64	83	145	0.1
Cheese and curd	724	743	804	782	875	1.4
<b>Fish or shellfish</b>						
	1 240	1 242	1 320	1 483	1 694	2.5
<b>Cereal products</b>						
Flour or meal from wheat or meslin	62	61	74	65	61	0.1
Cereal flour or meal, n.e.c.	59	56	75	79	74	0.1
Cereal etc flour or starch	1 672	1 696	1 884	2 070	2 282	3.5
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 206	1 244	1 255	1 401	1 585	2.4
Fruit, prepared or preserved	890	879	1 003	1 107	1 052	1.8
Fruit or vegetable juices	1 051	1 028	1 396	1 340	1 201	2.2
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 411	1 450	2 086	1 947	1 614	3.1
Sugar confectionery	567	642	675	758	857	1.3
Chocolate and cocoa preparations	636	682	768	876	943	1.4

Continued



## 8.4 Value of food imports, NAFTA (continued)

	1994	1995	1996	1997	1998 <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	31	32	46	51	52	0.1
Animal oil or fat	211	259	266	290	284	0.5
Vegetable oil or fat, fixed, soft	984	1 061	1 283	1 185	1 172	2.0
Vegetable oils, fixed, not soft	600	669	700	820	758	1.3
Animal or vegetable oils, processed	209	272	216	241	276	0.4
<b>Other food</b>						
Coffee and coffee substitutes	3 065	3 925	3 363	4 600	4 185	6.9
Tea and mate	257	239	252	273	314	0.5
Spices	414	421	458	538	595	0.9
Edible products, n.e.c.	1 601	1 450	1 614	1 862	2 163	3.1
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	634	542	599	759	835	1.2
Alcoholic beverages	4 936	5 188	5 928	6 658	7 212	10.8
<b>Animal feed <sup>b</sup></b>	1 403	1 297	1 539	1 620	1 588	2.7
<b>Total</b>	49 207	49 865	55 476	60 533	63 116	100.0

<sup>a</sup> Average, 1994–98. <sup>b</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

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

	1994	1995	1996	1997	1998 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<i>Minimally transformed</i>						
<b>Live animals except fish</b>	2 863	3 284	3 324	3 475	3 292	2.4
<b>Fish or shellfish</b>						
Fish, live or fresh	11 105	11 946	11 936	11 973	10 731	8.4
Fish, dried, salted or smoked	918	1 060	1 042	932	803	0.7
Shellfish	12 210	12 876	12 072	11 791	10 866	8.7
<b>Horticulture</b>						
Vegetables	5 142	5 631	5 936	5 900	6 524	4.2
Fruit and nuts	8 089	8 453	9 014	9 298	9 221	6.4
<b>Cocoa</b>	1 250	1 320	1 627	1 636	1 837	1.1
<b>Eggs, albumin</b>	338	324	398	385	359	0.3
<b>Grains and oilseeds</b>						
Barley	621	705	866	837	613	0.5
Maize	3 049	4 145	4 861	3 500	3 375	2.8
Oilseeds, not soft oil	193	230	251	252	224	0.2
Oilseeds, soft oil	4 102	4 026	5 316	6 343	5 848	3.7
Rice	2 406	1 692	2 418	1 744	2 293	1.5
Wheat or meslin	4 101	5 398	6 070	3 951	3 378	3.3
Other cereal grains, n.e.c.	1 120	1 020	1 240	1 124	1 049	0.8
<i>Substantially transformed</i>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	5 745	5 606	5 011	5 432	5 429	4.0
Meat, fresh, chilled or frozen	6 818	8 336	8 850	7 594	6 952	5.6
Meat or offal, preserved	146	131	146	160	153	0.1
Meat or offal, preserved, n.e.c.	1 388	1 473	1 645	1 633	1 640	1.1
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 984	2 326	2 470	2 518	2 317	1.7
Butter and cheese	211	235	258	220	280	0.2
Cheese and curd	1 293	1 422	1 552	1 544	1 665	1.1
<b>Fish or shellfish</b>	3 691	4 054	4 287	4 405	4 036	3.0
<b>Cereal products</b>						
Flour or meal from wheat or meslin	176	226	232	212	192	0.2
Cereal flour or meal, n.e.c.	84	103	113	120	110	0.1
Cereal etc flour or starch	2 774	2 989	3 391	3 525	3 585	2.4
<b>Horticulture</b>						
Vegetables, prepared or preserved	2 901	3 086	3 105	3 188	3 259	2.3
Fruit, prepared or preserved	2 004	2 093	2 128	2 152	1 994	1.5
Fruit or vegetable juices	1 629	1 735	2 122	1 921	1 736	1.3
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	2 867	3 980	4 435	3 837	3 154	2.7
Sugar confectionery	991	1 171	1 169	1 228	1 230	0.8
Chocolate and cocoa preparations	1 197	1 319	1 484	1 589	1 594	1.0

Continued

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

	1994	1995	1996	1997	1998 <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	106	147	150	176	185	0.1
Animal oil or fat	376	577	550	549	522	0.4
Vegetable oil or fat, fixed, soft	2 657	3 323	3 168	3 502	3 420	2.3
Vegetable oils, fixed, not soft	2 060	2 563	2 244	2 358	2 204	1.7
Animal or vegetable oils, processed	642	879	562	519	532	0.5
<b>Other food</b>						
Coffee and coffee substitutes	4 561	5 654	4 782	6 235	5 780	3.9
Tea and mate	604	601	645	661	700	0.5
Spices	758	814	932	1 057	1 015	0.7
Edible products, n.e.c.	3 940	4 161	4 720	5 062	5 134	3.3
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	1 314	1 330	1 335	1 479	1 502	1.0
Alcoholic beverages	8 567	8 998	9 624	10 338	10 990	7.1
<b>Animal feed <sup>c</sup></b>	5 046	5 515	6 982	7 810	6 703	4.7
<b>Total</b>	124 041	136 956	144 462	144 166	138 424	100.0

<sup>a</sup> No data available for Laos and Viet Nam. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

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

	1994	1995	1996	1997	1998 <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	432	552	656	637	408	3.2
<b>Fish or shellfish</b>						
Fish, live or fresh	1 044	1 042	1 051	1 157	995	6.4
Fish, dried, salted or smoked	61	62	65	62	37	0.3
Shellfish	440	496	480	471	398	2.8
<b>Horticulture</b>						
Vegetables	572	685	710	700	557	3.9
Fruit and nuts	729	773	824	764	566	4.4
<b>Cocoa</b>						
Cocoa	127	176	139	151	192	0.9
<b>Eggs, albumin</b>						
Eggs, albumin	59	58	68	65	53	0.4
<b>Grains and oilseeds</b>						
Barley	3	6	6	5	5	0.0
Maize	391	586	685	658	381	3.3
Oilseeds, not soft oil	29	29	34	30	36	0.2
Oilseeds, soft oil	661	638	817	934	688	4.5
Rice	389	855	1 427	741	1 445	5.9
Wheat or meslin	1 337	1 619	1 954	1 635	1 445	9.6
Other cereal grains, n.e.c.	19	17	40	10	7	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	215	242	284	313	241	1.6
Meat, fresh, chilled or frozen	230	220	288	287	209	1.5
Meat or offal, preserved	9	8	11	11	5	0.1
Meat or offal, preserved, n.e.c.	84	85	90	87	69	0.5
<b>Dairy</b>						
Milk products, excluding butter and cheese	1 021	1 431	1 405	1 399	1 215	7.8
Butter and cheese	121	156	162	118	110	0.8
Cheese and curd	72	86	91	101	89	0.5
<b>Fish or shellfish</b>						
Fish or shellfish	156	153	167	167	104	0.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	63	95	74	64	48	0.4
Cereal flour or meal, n.e.c.	19	20	26	27	22	0.1
Cereal etc flour or starch	353	406	505	452	360	2.5
<b>Horticulture</b>						
Vegetables, prepared or preserved	212	219	231	228	177	1.3
Fruit, prepared or preserved	149	144	145	139	86	0.8
Fruit or vegetable juices	57	60	67	71	54	0.4
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	476	895	1 259	989	832	5.4
Sugar confectionery	85	96	98	104	68	0.5
Chocolate and cocoa preparations	123	135	132	151	115	0.8

Continued

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

	1994	1995	1996	1997	1998 <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	34	42	30	27	21	0.2
Animal oil or fat	24	31	27	27	26	0.2
Vegetable oil or fat, fixed, soft	217	219	198	249	253	1.4
Vegetable oils, fixed, not soft	342	277	351	385	339	2.0
Animal or vegetable oils, processed	280	408	149	127	145	1.3
<b>Other food</b>						
Coffee and coffee substitutes	236	205	115	162	113	1.0
Tea and mate	42	37	41	44	39	0.2
Spices	156	171	205	259	206	1.2
Edible products, n.e.c.	739	847	978	1 009	807	5.3
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	88	105	139	158	90	0.7
Alcoholic beverages	764	841	989	796	584	4.8
<b>Animal feed <sup>c</sup></b>	1 392	1 546	1 850	1 996	1 528	10.0
<b>Total</b>	14 054	16 772	19 063	17 970	15 170	100.0

<sup>a</sup> No data available for Laos, Myanmar and Viet Nam. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm); ABARE.

## 8.7 Value of food imports, United States a

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share b %
<b>Minimally transformed</b>						
Live animals except fish	1 426	1 767	1 636	1 697	1 765	4.2
<b>Fish or shellfish</b>						
Fish, live or fresh	2 251	2 458	2 511	2 766	2 949	6.6
Fish, dried, salted or smoked	124	137	133	132	140	0.3
Shellfish	3 613	3 535	3 309	3 939	4 003	9.4
<b>Horticulture</b>						
Vegetables	1 713	1 979	2 290	2 340	2 832	5.7
Fruit and nuts	3 044	3 263	3 570	3 715	3 971	8.9
<b>Cocoa</b>	757	775	1 031	1 008	1 162	2.4
<b>Eggs, albumin</b>	31	22	25	20	15	0.1
<b>Grains and oilseeds</b>						
Barley	197	133	136	133	101	0.4
Maize	91	71	125	113	168	0.3
Oilseeds, not soft oil	62	74	96	96	81	0.2
Oilseeds, soft oil	240	208	280	333	316	0.7
Rice	150	141	178	236	203	0.5
Wheat or meslin	301	251	256	376	298	0.8
Other cereal grains, n.e.c.	207	195	229	298	216	0.6
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 651	1 327	1 230	1 522	1 728	3.8
Meat, fresh, chilled or frozen	589	609	710	772	753	1.7
Meat or offal, preserved	61	66	70	72	63	0.2
Meat or offal, preserved, n.e.c.	512	484	458	453	472	1.2
<b>Dairy</b>						
Milk products, excluding butter and cheese	58	49	98	122	175	0.3
Butter and cheese	3	3	12	24	86	0.1
Cheese and curd	529	587	624	584	675	1.5
<b>Fish or shellfish</b>	952	970	1 074	1 241	1 431	2.9
<b>Cereal products</b>						
Flour or meal from wheat or meslin	48	50	49	42	45	0.1
Cereal flour or meal, n.e.c.	15	19	23	22	24	0.1
Cereal etc flour or starch	975	1 088	1 216	1 343	1 473	3.1
<b>Horticulture</b>						
Vegetables, prepared or preserved	868	952	937	1 016	1 160	2.5
Fruit, prepared or preserved	667	678	791	860	796	1.9
Fruit or vegetable juices	738	708	1 011	944	814	2.1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	965	1 028	1 488	1 444	1 137	3.1
Sugar confectionery	379	484	516	569	655	1.3
Chocolate and cocoa preparations	333	403	460	548	593	1.2

Continued

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

	1994	1995	1996	1997	1998 <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	3	5	6	9	10	0.0
Animal oil or fat	40	40	45	58	49	0.1
Vegetable oil or fat, fixed, soft	664	696	911	785	767	1.9
Vegetable oils, fixed, not soft	465	544	571	670	632	1.5
Animal or vegetable oils, processed	118	171	127	128	145	0.4
<b>Other food</b>						
Coffee and coffee substitutes	2 572	3 357	2 884	3 988	3 534	8.3
Tea and mate	182	170	178	190	233	0.5
Spices	331	343	378	440	478	1.0
Edible products, n.e.c.	655	721	813	875	1 026	2.1
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	400	404	482	585	622	1.3
Alcoholic beverages	4 211	4 498	5 165	5 791	6 274	13.2
<b>Animal feed <sup>b</sup></b>	561	543	718	750	696	1.7
<b>Total</b>	33 752	36 009	38 849	43 051	44 764	100.0

<sup>a</sup> Includes Puerto Rico and the US Virgin Islands. <sup>b</sup> Average, 1994–98. <sup>c</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.  
Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 8.8 Value of food imports, Japan

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	155	270	268	216	179	0.5
<b>Fish or shellfish</b>						
Fish, live or fresh	6 746	7 242	7 117	6 641	5 447	13.9
Fish, dried, salted or smoked	387	436	444	313	227	0.8
Shellfish	6 773	7 363	6 686	5 852	4 998	13.3
<b>Horticulture</b>						
Vegetables	1 731	1 821	1 797	1 666	1 780	3.7
Fruit and nuts	1 844	1 946	1 862	1 794	1 681	3.8
<b>Cocoa</b>	130	136	181	171	170	0.3
<b>Eggs, albumin</b>	99	105	115	114	96	0.2
<b>Grains and oilseeds</b>						
Barley	229	288	334	268	217	0.6
Maize	2 262	2 395	3 048	2 448	2 119	5.1
Oilseeds, not soft oil	36	40	44	50	42	0.1
Oilseeds, soft oil	2 246	2 257	2 585	2 715	2 343	5.1
Rice	1 437	22	267	331	273	1.0
Wheat or meslin	1 352	1 342	1 561	1 363	1 096	2.8
Other cereal grains, n.e.c.	471	435	579	496	416	1.0
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	2 855	3 247	2 716	2 614	2 341	5.8
Meat, fresh, chilled or frozen	4 526	5 868	5 973	4 328	3 769	10.2
Meat or offal, preserved	7	9	10	15	18	0.0
Meat or offal, preserved, n.e.c.	375	529	674	627	631	1.2
<b>Dairy</b>						
Milk products, excluding butter and cheese	263	352	301	299	236	0.6
Butter and cheese	5	5	2	2	2	0.0
Cheese and curd	384	460	515	524	559	1.0
<b>Fish or shellfish</b>	1 960	2 336	2 419	2 382	1 904	4.6
<b>Cereal products</b>						
Flour or meal from wheat or meslin	0	0	0	1	1	0.0
Cereal flour or meal, n.e.c.	2	2	2	2	2	0.0
Cereal etc flour or starch	479	614	707	647	603	1.3
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 102	1 236	1 266	1 226	1 187	2.5
Fruit, prepared or preserved	763	854	745	676	639	1.5
Fruit or vegetable juices	449	539	538	413	388	1.0
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	651	800	732	700	579	1.4
Sugar confectionery	80	84	66	67	53	0.1
Chocolate and cocoa preparations	257	319	358	318	287	0.6

Continued



## 8.8 Value of food imports, Japan (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	9	9	9	10	13	0.0
Animal oil or fat	76	114	125	114	83	0.2
Vegetable oil or fat, fixed, soft	114	146	201	220	213	0.4
Vegetable oils, fixed, not soft	290	368	322	341	350	0.7
Animal or vegetable oils, processed	85	134	124	81	71	0.2
<b>Other food</b>						
Coffee and coffee substitutes	1 065	1 265	1 073	1 230	1 176	2.4
Tea and mate	170	195	217	217	198	0.4
Spices	137	181	239	237	186	0.4
Edible products, n.e.c.	786	939	1 103	1 091	990	2.1
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	245	316	224	176	154	0.5
Alcoholic beverages	1 948	1 956	1 748	1 725	2 266	4.0
<b>Animal feed b</b>	1 852	2 209	2 287	2 374	2 046	4.5
<b>Total</b>	46 835	51 186	51 585	47 093	42 026	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 8.9 Value of food imports, Germany

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	439	538	720	374	338	1.2
<b>Fish or shellfish</b>						
Fish, live or fresh	1 278	1 375	1 407	1 296	1 462	3.4
Fish, dried, salted or smoked	176	215	235	197	198	0.5
Shellfish	222	226	212	202	219	0.5
<b>Horticulture</b>						
Vegetables	3 358	3 977	3 878	3 257	3 195	8.7
Fruit and nuts	4 703	5 522	5 603	4 951	4 487	12.4
<b>Cocoa</b>						
Cocoa	737	820	825	792	830	2.0
<b>Eggs, albumin</b>						
Eggs, albumin	333	362	473	432	351	1.0
<b>Grains and oilseeds</b>						
Barley	102	182	216	104	69	0.3
Maize	302	320	328	266	233	0.7
Oilseeds, not soft oil	124	146	131	130	140	0.3
Oilseeds, soft oil	1 343	1 330	1 541	1 576	1 514	3.6
Rice	168	193	210	165	149	0.4
Wheat or meslin	256	268	296	176	154	0.6
Other cereal grains, n.e.c.	43	53	67	40	28	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 240	1 214	930	709	682	2.3
Meat, fresh, chilled or frozen	3 221	3 771	4 084	3 558	3 033	8.7
Meat or offal, preserved	138	142	142	128	147	0.3
Meat or offal, preserved, n.e.c.	661	709	695	621	633	1.6
<b>Dairy</b>						
Milk products, excluding butter and cheese	592	631	620	586	657	1.5
Butter and cheese	423	721	543	579	506	1.4
Cheese and curd	2 086	2 589	2 464	2 210	1 934	5.5
<b>Fish or shellfish</b>						
Fish or shellfish	511	546	601	535	561	1.4
<b>Cereal products</b>						
Flour or meal from wheat or meslin	30	43	33	31	26	0.1
Cereal flour or meal, n.e.c.	8	9	16	13	13	0.0
Cereal etc flour or starch	1 213	1 405	1 400	1 229	1 225	3.2
<b>Horticulture</b>						
Vegetables, prepared or preserved	1 337	1 542	1 494	1 191	1 173	3.3
Fruit, prepared or preserved	971	1 017	1 055	1 045	1 061	2.5
Fruit or vegetable juices	698	927	996	864	778	2.1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	555	680	679	552	561	1.5
Sugar confectionery	293	350	344	318	294	0.8
Chocolate and cocoa preparations	838	815	842	908	903	2.1

Continued

## 8.9 Value of food imports, Germany (continued)

	1994	1995	1996	1997	1998 <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	41	59	64	56	53	0.1
Animal oil or fat	94	115	118	97	80	0.2
Vegetable oil or fat, fixed, soft	268	282	286	256	288	0.7
Vegetable oils, fixed, not soft	471	554	588	654	665	1.4
Animal or vegetable oils, processed	334	395	348	315	316	0.8
<b>Other food</b>						
Coffee and coffee substitutes	2 039	2 859	2 145	2 718	2 462	6.0
Tea and mate	120	154	169	136	139	0.4
Spices	129	154	145	182	185	0.4
Edible products, n.e.c.	1 563	1 934	1 798	1 518	1 550	4.1
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	430	366	274	242	291	0.8
Alcoholic beverages	2 322	2 655	2 849	2 759	2 745	6.6
<b>Animal feed<sup>b</sup></b>	1 599	1 793	1 969	1 841	1 656	4.4
<b>Total</b>	37 810	43 958	43 834	39 808	37 981	100.0

<sup>a</sup> Average, 1994–98. <sup>b</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 8.10 Value of food imports, United Kingdom

	1994 US\$m	1995 US\$m	1996 US\$m	1997 US\$m	1998 p US\$m	Share a %
<b>Minimally transformed</b>						
Live animals except fish	203	251	309	341	378	1.1
<b>Fish or shellfish</b>						
Fish, live or fresh	667	716	808	804	927	3.0
Fish, dried, salted or smoked	14	13	15	14	13	0.1
Shellfish	239	253	227	260	311	1.0
<b>Horticulture</b>						
Vegetables	1 466	1 834	1 837	1 893	2 020	6.9
Fruit and nuts	2 260	2 515	2 813	2 872	2 911	10.1
Cocoa	354	385	480	419	488	1.6
Eggs, albumin	50	46	61	60	48	0.2
<b>Grains and oilseeds</b>						
Barley	32	22	26	30	34	0.1
Maize	333	351	354	303	229	1.2
Oilseeds, not soft oil	36	36	45	62	43	0.2
Oilseeds, soft oil	442	464	571	571	492	1.9
Rice	224	238	311	304	284	1.0
Wheat or meslin	251	213	157	225	236	0.8
Other cereal grains, n.e.c.	12	11	14	17	11	0.0
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	450	595	471	553	427	1.9
Meat, fresh, chilled or frozen	1 102	1 294	1 640	1 516	1 523	5.4
Meat or offal, preserved	633	853	1 064	838	625	3.0
Meat or offal, preserved, n.e.c.	704	876	763	771	780	3.0
<b>Dairy</b>						
Milk products, excluding butter and cheese	382	436	413	469	489	1.7
Butter and cheese	410	381	367	352	351	1.4
Cheese and curd	812	842	983	936	978	3.5
Fish or shellfish	630	794	851	838	898	3.0
<b>Cereal products</b>						
Flour or meal from wheat or meslin	19	23	23	28	24	0.1
Cereal flour or meal, n.e.c.	16	15	14	13	13	0.1
Cereal etc flour or starch	605	725	844	947	1 018	3.1
<b>Horticulture</b>						
Vegetables, prepared or preserved	674	890	919	904	963	3.3
Fruit, prepared or preserved	434	490	518	511	501	1.9
Fruit or vegetable juices	311	414	469	371	441	1.5
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	1 064	1 163	1 207	1 111	1 071	4.3
Sugar confectionery	179	178	177	201	211	0.7
Chocolate and cocoa preparations	515	545	567	545	542	2.1

Continued

## 8.10 Value of food imports, United Kingdom (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	56	59	71	71	67	0.2
Animal oil or fat	132	141	147	135	116	0.5
Vegetable oil or fat, fixed, soft	225	258	340	341	369	1.2
Vegetable oils, fixed, not soft	306	376	445	411	347	1.4
Animal or vegetable oils, processed	177	221	170	170	144	0.7
<b>Other food</b>						
Coffee and coffee substitutes	609	680	542	635	637	2.4
Tea and mate	337	302	328	364	374	1.3
Spices	55	80	69	94	96	0.3
Edible products, n.e.c.	1 092	1 227	1 260	1 357	1 418	4.8
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	178	236	218	233	307	0.9
Alcoholic beverages	2 598	2 861	3 264	3 680	4 018	12.5
<b>Animal feed b</b>	1 179	1 254	1 333	1 330	1 164	4.8
<b>Total</b>	22 464	25 556	27 506	27 901	28 337	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 8.11 Value of food imports, France

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
Live animals except fish	574	594	484	322	306	1.8
<b>Fish or shellfish</b>						
Fish, live or fresh	1 208	1 348	1 415	1 334	1 483	5.2
Fish, dried, salted or smoked	103	114	126	113	125	0.4
Shellfish	791	918	891	865	1 013	3.5
<b>Horticulture</b>						
Vegetables	1 354	1 598	1 545	1 354	1 449	5.6
Fruit and nuts	2 375	2 648	2 512	2 357	2 391	9.5
<b>Cocoa</b>						
Cocoa	385	487	518	486	541	1.9
<b>Eggs, albumin</b>						
Eggs, albumin	74	80	115	94	83	0.3
<b>Grains and oilseeds</b>						
Barley	13	23	24	12	3	0.1
Maize	95	105	97	85	104	0.4
Oilseeds, not soft oil	15	16	22	22	21	0.1
Oilseeds, soft oil	405	355	392	338	342	1.4
Rice	212	219	269	249	240	0.9
Wheat or meslin	100	63	93	90	81	0.3
Other cereal grains, n.e.c.	19	16	17	15	15	0.1
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	1 661	1 653	982	836	919	4.7
Meat, fresh, chilled or frozen	1 842	2 064	2 152	1 947	1 758	7.5
Meat or offal, preserved	146	186	205	202	202	0.7
Meat or offal, preserved, n.e.c.	273	311	313	269	264	1.1
<b>Dairy</b>						
Milk products, excluding butter and cheese	785	953	870	830	1 014	3.4
Butter and cheese	437	570	432	477	482	1.9
Cheese and curd	586	720	729	636	682	2.6
<b>Fish or shellfish</b>						
Fish or shellfish	604	780	774	698	792	2.8
<b>Cereal products</b>						
Flour or meal from wheat or meslin	58	66	67	61	72	0.3
Cereal flour or meal, n.e.c.	15	13	19	22	21	0.1
Cereal etc flour or starch	1 091	1 264	1 359	1 260	1 277	4.8
<b>Horticulture</b>						
Vegetables, prepared or preserved	674	864	830	726	775	3.0
Fruit, prepared or preserved	551	623	611	598	661	2.4
Fruit or vegetable juices	469	575	560	511	543	2.1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	482	589	485	423	395	1.8
Sugar confectionery	177	231	224	200	202	0.8
Chocolate and cocoa preparations	771	980	962	903	925	3.5

Continued

## 8.11 Value of food imports, France (continued)

	1994	1995	1996	1997	1998 p	Share a
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	123	152	156	140	128	0.5
Animal oil or fat	76	93	86	86	82	0.3
Vegetable oil or fat, fixed, soft	462	580	587	564	540	2.1
Vegetable oils, fixed, not soft	149	194	211	220	253	0.8
Animal or vegetable oils, processed	175	277	211	185	218	0.8
<b>Other food</b>						
Coffee and coffee substitutes	1 052	1 377	1 110	1 250	1 148	4.6
Tea and mate	64	66	69	75	85	0.3
Spices	66	76	76	87	97	0.3
Edible products, n.e.c.	715	827	857	820	915	3.2
<b>Beverage</b>						
Beverages, nonalcoholic, n.e.c.	186	264	279	273	307	1.0
Alcoholic beverages	1 096	1 304	1 373	1 280	1 420	5.0
<b>Animal feed b</b>	1 530	1 490	1 700	1 714	1 523	6.1
<b>Total</b>	24 040	27 725	26 809	25 029	25 893	100.0

a Average, 1994–98. b Excludes unmilled cereal. p Preliminary.

Source: International Trade Centre, UNCTAD/WTO, [www.intracen.org/itc/infobase/data/chap32/imp\\_cat.htm](http://www.intracen.org/itc/infobase/data/chap32/imp_cat.htm).

## 9.1 Supply and consumption of alcoholic beverages, 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>	22 811	374	697	22 474	22 230	31
Egypt	92	0	7	87	42	1
Nigeria	6 550	7	1	6 557	6 504	64
South Africa	2 986	53	599	2 440	2 757	72
<b>Asia <sup>c</sup></b>	51 282	2 020	940	52 376	49 497	14
China	29 198	242	223	29 218	29 146	24
India	3 336	2	84	3 254	1 338	1
Indonesia	250	3	16	237	182	1
Japan	8 725	908	63	9 570	9 148	73
Korea, Rep. of	3 052	175	79	3 147	2 996	66
Malaysia	100	13	26	86	84	4
Pakistan	51	1	4	48	39	0
Philippines	1 999	14	13	2 000	1 939	28
Thailand	1 721	27	68	1 680	1 645	28
Viet Nam	469	18	4	483	483	6
<b>Europe</b>	69 220	9 326	12 452	66 615	60 650	83
Austria	1 251	104	100	1 295	1 212	151
Belgium–Luxembourg	1 586	503	616	1 519	1 446	137
Czech Republic	1 964	89	240	1 821	1 770	172
Denmark	954	201	307	841	794	152
France	9 167	1 199	2 205	8 144	6 335	109
Germany	12 526	1 654	1 357	12 984	12 741	156
Greece	870	88	130	815	587	56
Italy	7 120	449	1 834	6 022	4 657	81
Malta	21	4	0	25	22	58
Netherlands	2 362	476	1 148	1 695	1 618	104
Norway	247	55	3	299	277	63
Poland	2 417	74	79	2 413	2 280	59
Portugal	1 545	127	272	1 444	1 353	137
Russian Federation	3 580	840	273	4 147	4 035	27
Slovenia	308	37	45	300	279	140
Spain	5 616	550	928	5 197	4 231	107
Sweden	651	179	62	775	733	83
Turkey	848	18	67	799	745	12
United Kingdom	6 728	1 468	1 080	7 117	6 986	119
<b>Middle East</b>						
Iran	0	0	0	0	0	0
Iraq	76	3	0	79	79	4
Kuwait	0	0	0	0	0	0
Saudi Arabia	0	14	0	14	13	1
United Arab Emirates	0	45	1	44	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>	5 799	216	789	5 226	5 028	40
<b>North America</b>	32 488	3 158	2 204	33 325	30 594	102
Canada	2 874	325	440	2 759	2 732	91
Mexico	5 221	158	637	4 742	4 452	48
United States	29 614	2 833	1 764	30 566	27 862	103
<b>South America</b>	29 341	1 296	948	29 847	15 356	47
Argentina	2 938	57	227	2 858	2 519	72
Brazil	21 023	960	322	21 660	7 538	47
Chile	743	29	225	612	600	42
Uruguay	216	19	20	217	214	66
<b>Oceania</b>	2 873	149	335	2 747	2 588	92
Australia	2 368	85	297	2 230	2 111	116
New Zealand	416	43	38	408	384	103
Papua New Guinea	49	1	0	50	45	10
<b>World</b>	214 507	16 604	18 454	213 269	186 596	33

<sup>a</sup> Annual average, 1995–97. 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, online: apps.fao.org

## 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>	105 361	34 761	3 563	138 463	102 527	144
Egypt	15 016	8 891	233	22 834	15 625	246
Nigeria	20 568	1 358	20	21 471	14 641	144
South Africa	11 413	2 154	2 158	12 234	7 079	186
<b>Asia <sup>c</sup></b>	807 229	117 651	27 097	907 011	618 011	178
China	374 257	19 431	4 010	389 534	235 128	191
India	177 931	1 016	4 315	181 634	162 628	171
Indonesia	42 331	6 936	68	47 626	41 246	206
Japan	9 388	28 462	423	37 261	16 628	132
Korea, Rep. of	5 124	12 339	117	18 018	7 711	170
Malaysia	1 487	4 486	345	5 622	2 761	134
Pakistan	22 903	2 397	1 741	23 496	20 764	148
Philippines	11 821	2 855	14	13 745	8 796	126
Thailand	19 459	1 003	5 253	13 741	6 879	116
Viet Nam	18 993	582	3 179	16 308	13 722	183
<b>Europe</b>	401 217	60 340	75 326	387 545	96 262	132
Austria	4 652	481	749	4 523	758	94
Belgium–Luxembourg	2 339	6 933	3 959	4 877	1 082	103
Czech Republic	6 750	536	822	7 083	1 384	134
Denmark	9 248	690	2 437	7 259	573	109
France	59 818	2 217	30 112	31 579	6 501	112
Germany	42 495	4 611	10 489	35 788	8 041	98
Greece	4 667	1 310	635	4 867	1 586	151
Italy	19 707	8 196	4 142	23 010	9 048	158
Malta	7	173	2	179	58	153
Netherlands	1 513	6 735	2 251	5 573	1 101	71
Norway	1 287	625	23	1 931	519	119
Poland	25 591	2 597	209	26 987	6 052	157
Portugal	1 487	2 566	125	3 635	1 249	127
Russian Federation	71 967	5 034	1 302	82 688	22 934	155
Slovenia	495	508	26	1 010	279	140
Spain	17 535	6 958	2 111	21 091	4 061	103
Sweden	5 614	311	1 098	4 733	874	99
Turkey	28 991	3 164	1 789	29 740	13 986	224
United Kingdom	23 315	3 476	6 269	19 807	5 592	95
<b>Middle East</b>						
Iran	15 608	7 088	0	21 645	11 541	182
Iraq	2 491	1 597	0	4 321	3 103	150
Kuwait	3	594	58	483	218	128
Saudi Arabia	2 349	6 292	229	10 562	3 071	163
United Arab Emirates	1	1 199	336	625	282	125

*Continued*

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	31 665	11 022	818	41 204	20 698	165
<b>North America</b>	366 527	8 226	116 642	264 436	33 932	113
Canada	52 436	1 940	23 680	29 436	3 038	102
Mexico	27 950	8 481	633	34 944	16 214	175
United States	314 090	6 286	92 962	235 000	30 895	115
<b>South America</b>	89 823	19 962	18 534	90 186	36 276	112
Argentina	29 763	164	15 955	13 094	4 607	131
Brazil	44 382	9 229	301	53 014	17 472	108
Chile	2 694	1 334	206	3 834	1 917	133
Uruguay	1 715	125	992	912	382	118
<b>Oceania</b>	31 576	1 181	18 958	11 175	2 448	87
Australia	30 651	199	18 893	9 451	1 573	87
New Zealand	901	332	54	1 097	326	88
Papua New Guinea	8	365	0	355	344	78
<b>World</b>	1 834 516	257 173	261 161	1 844 998	913 190	160

<sup>a</sup> Annual average, 1995–97. 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, online: apps.fao.org

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	140 504	496	652	140 316	92 285	130
Egypt	2 635	71	363	2 097	1 579	25
Nigeria	54 913	2	0	54 915	22 730	224
South Africa	1 583	109	45	1 649	1 195	31
<b>Asia <sup>c</sup></b>	269 563	8 186	14 252	259 092	141 819	41
China	171 759	2 552	217	174 094	76 973	63
India	27 327	2	124	27 188	21 320	22
Indonesia	19 179	515	1 786	17 928	14 347	72
Japan	4 948	1 159	2	6 105	4 479	36
Korea, Rep. of	975	1 738	1	2 713	754	17
Malaysia	502	609	80	1 030	523	26
Pakistan	1 442	12	3	1 451	1 255	9
Philippines	2 842	200	15	3 027	2 637	38
Thailand	17 434	102	11 014	2 089	990	17
Viet Nam	4 086	8	251	3 842	3 226	43
<b>Europe</b>	151 866	19 844	11 342	160 349	68 829	95
Austria	723	133	15	841	486	60
Belgium-Luxembourg	2 665	2 638	1 532	3 570	1 129	107
Czech Republic	1 511	123	33	1 621	835	81
Denmark	1 534	151	643	1 117	365	70
France	6 258	1 202	954	6 375	3 933	68
Germany	12 217	1 807	2 508	11 433	6 365	78
Greece	974	177	35	1 116	706	67
Italy	2 066	1 113	305	2 856	2 164	38
Malta	34	6	7	33	25	66
Netherlands	7 798	5 468	4 377	8 602	1 339	86
Norway	430	56	0	454	343	78
Poland	24 295	91	152	24 733	5 231	135
Portugal	1 294	1 089	32	2 457	1 343	136
Russian Federation	38 534	109	43	38 600	18 380	124
Slovenia	483	38	7	514	286	144
Spain	3 726	3 237	198	6 911	3 468	88
Sweden	1 163	262	28	1 276	562	64
Turkey	4 933	149	198	4 884	3 840	62
United Kingdom	6 919	1 318	250	7 931	6 511	111
<b>Middle East</b>						
Iran	3 166	15	0	3 181	2 702	43
Iraq	397	48	0	465	324	16
Kuwait	24	29	0	56	56	33
Saudi Arabia	291	111	25	377	297	16
United Arab Emirates	4	97	4	79	65	29

Continued

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 983	218	216	1 985	1 627	13
<b>North America</b>	25 920	1 912	2 604	25 462	19 288	64
Canada	4 028	357	1 039	3 346	1 916	64
Mexico	1 401	164	21	1 544	1 264	14
United States	21 892	1 555	1 565	22 116	17 372	65
<b>South America</b>	46 327	453	175	46 604	22 681	70
Argentina	2 858	51	55	2 854	2 397	68
Brazil	28 325	146	na	28 401	10 920	68
Chile	1 008	22	8	1 022	772	54
Uruguay	183	33	0	215	154	48
<b>Oceania</b>	3 241	193	85	3 350	2 655	95
Australia	1 246	100	35	1 311	1 064	59
New Zealand	488	63	42	510	307	83
Papua New Guinea	1 211	3	0	1 214	1 000	227
<b>World</b>	641 598	31 407	29 376	639 408	350 987	61

<sup>a</sup> Annual average, 1995–97. 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, online: apps.fao.org

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

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	8 265	4 698	2 180	10 515	10 240	14
Egypt	1 301	917	9	1 914	1 913	30
Nigeria	51	719	0	770	770	8
South Africa	2 294	59	761	1 404	1 401	37
<b>Asia c</b>	55 969	14 869	6 860	61 171	59 640	17
China	8 510	1 899	731	9 673	9 612	8
India	24 798	116	440	22 545	22 119	23
Indonesia	2 446	1 024	27	3 117	3 111	16
Japan	2 087	1 964	19	4 071	3 996	32
Korea, Rep. of	704	1 424	409	1 619	1 598	35
Malaysia	123	1 182	166	1 140	1 134	55
Pakistan	3 906	10	137	3 936	3 937	28
Philippines	1 910	441	233	2 078	2 078	30
Thailand	5 988	10	4 020	1 709	1 707	29
Viet Nam	605	120	15	648	648	9
<b>Europe</b>	30 931	13 035	13 002	31 356	27 264	38
Austria	688	227	169	812	383	48
Belgium–Luxembourg	1 158	792	1 551	563	495	47
Czech Republic	614	55	106	464	464	45
Denmark	542	174	254	389	260	50
France	5 459	857	3 755	2 616	2 222	38
Germany	4 433	856	1 944	3 616	3 513	43
Greece	374	84	20	389	334	32
Italy	1 862	516	333	1 819	1 701	30
Malta	0	24	0	24	20	54
Netherlands	1 685	416	595	1 506	776	50
Norway	6	209	17	199	196	45
Poland	2 183	164	326	1 734	1 639	42
Portugal	33	345	23	362	354	36
Russian Federation	1 936	3 571	152	5 681	5 405	37
Slovenia	75	65	16	124	38	19
Spain	1 264	459	396	1 335	1 226	31
Sweden	388	53	66	420	407	46
Turkey	2 112	419	186	1 954	1 905	31
United Kingdom	2 152	1 660	857	2 889	2 269	39
<b>Middle East</b>	na	na	na	na	na	na
Iran	836	1 097	0	1 817	1 817	29
Iraq	2	283	0	315	299	15
Kuwait	0	76	1	67	67	40
Saudi Arabia	0	585	13	540	540	29
United Arab Emirates	0	297	159	106	76	34

*Continued*

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	7 649	514	2 307	6 354	6 051	48
<b>North America</b>	18 492	4 284	1 282	21 184	20 428	68
Canada	305	1 355	303	1 307	1 328	44
Mexico	4 690	462	847	4 856	4 646	50
United States	18 187	2 929	979	19 877	19 101	71
<b>South America</b>	23 228	1 265	7 741	16 787	15 919	49
Argentina	1 803	105	274	1 600	1 607	46
Brazil	15 058	63	6 220	9 101	9 107	56
Chile	450	223	19	666	666	46
Uruguay	25	101	15	110	na	34
<b>Oceania</b>	5 841	315	4 618	1 462	1 161	41
Australia	5 386	40	4 170	1 181	897	49
New Zealand	22	238	57	189	178	48
Papua New Guinea	43	7	0	51	51	12
<b>World</b>	155 623	39 334	42 039	150 302	142 104	25

<sup>a</sup> Annual average, 1995–97. 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. **na** Not available.  
Source: Food and Agriculture Organisation, FAOSTAT nutrition data, online: apps.fao.org

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

	Domestic supply				Food consumption	
	Production	Imports	Exports	Total b	Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	7 042	749	178	7 685	6 104	9
Egypt	502	162	14	664	518	8
Nigeria	1 615	0	0	1 615	1 174	12
South Africa	75	88	10	156	140	4
<b>Asia c</b>	26 017	2 020	2 185	25 820	19 377	6
China	4 426	202	729	3 900	1 893	2
India	13 769	629	57	14 340	11 598	12
Indonesia	849	89	2	935	817	4
Japan	119	174	0	340	313	3
Korea, Rep. of	36	84	0	120	116	3
Malaysia	0	79	2	77	76	4
Pakistan	1 039	211	19	1 231	854	6
Philippines	64	54	0	117	115	2
Thailand	343	5	36	312	277	5
Viet Nam	222	3	11	214	186	3
<b>Europe</b>	9 556	3 303	2 056	10 867	1 880	3
Austria	88	15	4	100	6	1
Belgium–Luxembourg	16	626	163	480	26	3
Czech Republic	126	18	87	57	20	2
Denmark	315	8	81	299	5	1
France	2 840	172	954	2 058	123	2
Germany	488	317	46	760	120	2
Greece	44	41	2	83	55	5
Italy	135	442	5	571	300	5
Malta	1	1	0	3	2	5
Netherlands	16	614	67	563	44	3
Norway	0	5	0	5	4	1
Poland	268	5	13	260	91	2
Portugal	38	42	4	76	47	5
Russian Federation	1 670	21	48	1 643	5	0
Slovenia	5	3	0	8	6	3
Spain	365	685	16	1 038	313	8
Sweden	124	6	1	129	10	1
Turkey	1 791	58	425	1 371	749	12
United Kingdom	612	169	225	556	292	5
<b>Middle East</b>						
Iran	642	8	20	630	507	8
Iraq	37	13	0	50	46	2
Kuwait	0	14	0	15	15	9
Saudi Arabia	8	59	2	65	63	3
United Arab Emirates	0	78	31	36	20	9

Continued



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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 758	140	166	1 883	1 666	13
<b>North America</b>	3 691	164	1 920	1 891	1 287	4
Canada	2 038	45	1 358	737	186	6
Mexico	1 414	116	142	1 528	1 348	15
United States	1 653	119	561	1 154	1 101	4
<b>South America</b>	3 843	494	293	4 207	3 770	12
Argentina	302	9	225	82	50	1
Brazil	2 940	176	4	3 279	2 992	19
Chile	106	16	28	94	50	3
Uruguay	6	4	0	11	9	3
<b>Oceania</b>	2 466	24	1 033	1 324	180	6
Australia	2 407	13	997	1 290	158	9
New Zealand	53	4	36	22	10	3
Papua New Guinea	2	0	0	2	2	0
<b>World</b>	54 550	7 043	7 843	53 999	34 562	6

<sup>a</sup> Annual average, 1995–97. 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, online: [apps.fao.org](http://apps.fao.org)

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	34 220	885	667	34 507	31 030	44
Egypt	9 546	10	216	9 367	8 415	133
Nigeria	5 929	2	2	5 929	5 220	52
South Africa	2 086	40	46	2 080	1 809	48
<b>Asia c</b>	342 143	5 776	6 687	341 274	309 364	89
China	192 690	177	2 770	190 098	173 648	141
India	54 565	1	455	54 116	50 671	53
Indonesia	5 619	155	106	5 668	5 208	26
Japan	12 629	2 301	11	14 918	13 642	109
Korea, Rep. of	9 637	272	48	9 861	8 467	187
Malaysia	352	534	189	697	696	34
Pakistan	3 659	62	20	3 700	3 522	25
Philippines	4 926	71	41	4 956	4 717	68
Thailand	2 384	20	316	2 089	1 894	32
Viet Nam	4 521	1	10	4 512	4 071	54
<b>Europe</b>	83 936	17 070	16 452	84 873	73 321	101
Austria	549	356	79	826	747	93
Belgium–Luxembourg	2 126	1 181	1 478	1 830	1 316	125
Czech Republic	557	271	17	811	763	74
Denmark	303	230	57	480	452	86
France	7 763	2 112	1 362	8 514	6 903	119
Germany	3 434	4 583	410	7 607	6 688	82
Greece	3 392	109	546	2 955	2 513	239
Italy	13 536	839	3 455	11 100	9 676	169
Malta	58	8	0	66	52	138
Netherlands	3 671	1 195	3 424	1 442	1 286	83
Norway	169	128	6	291	269	61
Poland	5 671	257	388	5 539	4 807	124
Portugal	2 029	123	424	1 728	1 508	153
Russian Federation	11 079	1 163	21	12 296	10 829	73
Slovenia	111	75	6	180	164	83
Spain	9 263	322	3 260	6 325	5 109	129
Sweden	280	401	37	643	588	67
Turkey	16 129	21	1 063	15 086	11 331	182
United Kingdom	3 139	2 309	250	5 199	4 697	80
<b>Middle East</b>						
Iran	8 548	1	134	8 416	7 537	119
Iraq	2 327	48	0	2 376	2 142	104
Kuwait	104	188	6	286	272	160
Saudi Arabia	1 814	482	58	2 238	2 045	109
United Arab Emirates	720	452	88	1 087	488	216

Continued

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	6 604	287	2 685	4 206	3 915	31
<b>North America</b>	34 268	4 966	3 834	35 404	33 498	112
Canada	2 182	1 664	384	3 462	3 266	109
Mexico	5 793	163	2 459	3 497	3 219	35
United States	32 086	3 301	3 450	31 941	30 232	112
<b>South America</b>	15 675	810	1 163	15 322	13 181	41
Argentina	2 895	136	312	2 720	2 408	68
Brazil	5 774	485	62	6 197	5 613	35
Chile	2 543	10	626	1 926	1 440	100
Uruguay	128	32	3	156	136	42
<b>Oceania</b>	3 104	260	579	2 784	2 570	92
Australia	1 600	190	214	1 576	1 487	82
New Zealand	1 084	41	362	762	679	183
Papua New Guinea	377	3	0	380	342	78
<b>World</b>	521 070	30 157	32 095	519 561	467 955	82

<sup>a</sup> Annual average, 1995–97. 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, online: [apps.fao.org](http://apps.fao.org)

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	58 258	467	3 076	55 666	42 882	60
Egypt	7 725	57	100	7 664	6 889	109
Nigeria	7 091	2	0	7 092	6 882	68
South Africa	4 194	47	1 432	2 818	1 465	38
<b>Asia c</b>	211 596	10 640	10 959	211 317	182 662	53
China	76 822	1 166	1 200	76 788	66 726	54
India	38 192	186	243	38 134	33 262	35
Indonesia	8 134	189	306	8 016	7 316	37
Japan	5 164	3 177	18	8 323	7 184	57
Korea, Rep. of	3 793	867	55	4 606	4 253	94
Malaysia	1 231	414	433	1 212	1 060	52
Pakistan	6 098	114	194	6 018	5 794	41
Philippines	10 093	180	2 140	8 133	8 091	116
Thailand	7 566	68	1 136	6 498	6 021	102
Viet Nam	4 004	23	23	4 003	3 638	48
<b>Europe</b>	80 497	41 838	25 813	96 984	60 320	83
Austria	915	954	394	1 477	946	118
Belgium–Luxembourg	609	4 359	3 491	1 517	1 329	126
Czech Republic	485	711	213	983	818	79
Denmark	81	516	120	477	467	89
France	11 658	5 072	2 133	14 633	5 474	94
Germany	4 316	9 025	2 474	11 032	9 522	116
Greece	4 879	222	1 655	3 446	1 988	189
Italy	17 899	1 780	3 794	16 141	7 591	132
Malta	22	36	3	54	43	115
Netherlands	703	4 000	2 564	2 140	2 081	134
Norway	105	432	7	530	511	117
Poland	2 597	978	973	2 586	1 894	49
Portugal	1 907	476	94	2 288	1 172	119
Russian Federation	3 505	3 002	69	6 472	5 759	39
Slovenia	265	141	45	361	170	86
Spain	14 602	893	5 444	10 039	4 662	118
Sweden	107	829	44	893	851	96
Turkey	15 382	173	1 821	13 734	9 252	148
United Kingdom	348	4 863	247	4 964	4 798	82
<b>Middle East</b>						
Iran	12 711	73	767	12 016	10 619	167
Iraq	2 322	3	36	2 323	1 803	87
Kuwait	8	235	11	234	225	132
Saudi Arabia	1 648	975	158	2 465	2 328	124
United Arab Emirates	319	793	282	828	462	205

Continued

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	20 682	626	6 782	14 539	12 389	99
<b>North America</b>	33 807	16 157	7 847	43 019	37 919	127
Canada	804	3 551	410	3 978	3 865	129
Mexico	12 803	321	1 662	11 476	10 127	109
United States	33 003	12 606	7 436	39 041	34 053	126
<b>South America</b>	69 747	1 915	23 798	47 873	34 137	105
Argentina	7 076	511	1 463	6 124	3 538	101
Brazil	37 126	691	14 256	23 561	18 226	113
Chile	3 787	193	1 955	2 034	995	69
Uruguay	505	69	158	415	250	77
<b>Oceania</b>	5 000	485	1 079	4 409	3 184	113
Australia	2 748	227	494	2 485	1 703	94
New Zealand	1 022	227	572	677	465	125
Papua New Guinea	1 163	7	0	1 170	938	213
<b>World</b>	484 040	72 301	79 911	477 875	376 874	66

<sup>a</sup> Annual average, 1995–97. Includes oranges, mandarines, lemons, limes, grapefruit, other citrus, bananas, plantations, 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, online: [apps.fao.org](http://apps.fao.org)

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	9 740	602	142	10 204	10 187	14
Egypt	1 102	130	1	1 246	1 246	20
Nigeria	1 041	7	0	1 048	1 048	10
South Africa	1 227	202	34	1 396	1 389	36
<b>Asia c</b>	77 200	5 662	2 120	80 659	80 349	23
China	49 709	376	1 039	49 046	49 044	40
India	4 562	0	170	4 393	4 393	5
Indonesia	2 043	26	9	2 059	2 065	10
Japan	3 136	2 500	7	5 613	5 504	44
Korea, Rep. of	1 511	342	66	1 788	1 761	39
Malaysia	969	119	15	1 073	1 038	51
Pakistan	1 993	0	0	1 993	1 993	14
Philippines	1 750	83	0	1 834	1 834	26
Thailand	1 613	3	164	1 451	1 434	24
Viet Nam	1 439	1	6	1 434	1 434	19
<b>Europe</b>	52 048	10 464	10 524	52 032	51 608	71
Austria	854	110	136	829	827	103
Belgium-Luxembourg	1 766	361	1 223	904	901	86
Czech Republic	843	34	23	854	848	82
Denmark	1 860	132	1 359	614	527	101
France	6 425	1 098	1 818	5 722	5 664	97
Germany	5 868	1 761	762	6 868	6 859	84
Greece	511	375	20	866	832	79
Italy	4 040	1 134	314	4 866	4 857	85
Malta	17	16	0	33	30	78
Netherlands	2 818	467	1 838	1 431	1 417	91
Norway	254	11	5	260	260	59
Poland	2 825	110	267	2 655	2 644	68
Portugal	669	138	21	785	783	79
Russian Federation	5 325	2 408	46	7 699	7 668	52
Slovenia	188	33	32	188	188	94
Spain	4 128	278	376	3 989	3 988	101
Sweden	570	74	59	585	586	66
Turkey	1 186	23	10	1 198	1 198	19
United Kingdom	3 681	1 286	661	4 306	4 294	73
<b>Middle East</b>						
Iran	1 378	77	1	1 454	1 454	23
Iraq	107	3	0	110	110	5
Kuwait	70	74	2	114	114	67
Saudi Arabia	531	376	20	886	886	47
United Arab Emirates	83	176	27	180	170	75

Continued

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	4 571	493	114	4 950	4 946	39
<b>North America</b>	37 584	1 752	4 484	34 853	34 565	116
Canada	3 191	404	749	2 849	2 744	92
Mexico	3 795	452	46	4 201	4 201	45
United States	34 393	1 349	3 735	32 004	31 820	118
<b>South America</b>	19 540	397	1 675	18 266	17 853	55
Argentina	3 322	92	530	2 884	2 830	80
Brazil	10 767	147	840	10 073	9 978	62
Chile	777	83	24	836	834	58
Uruguay	543	6	237	316	316	97
<b>Oceania</b>	4 683	139	2 210	2 579	2 466	88
Australia	3 250	19	1 333	1 935	1 898	105
New Zealand	1 327	24	873	444	374	101
Papua New Guinea	65	55	1	120	120	27
<b>World</b>	206 075	19 698	21 274	204 436	202 854	35

<sup>a</sup> Annual average, 1995–97. 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, online: [apps.fao.org](http://apps.fao.org)

## 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>	1 747	14	6	1 753	1 436	2
Egypt	162	0	0	162	136	2
Nigeria	355	1	0	356	296	3
South Africa	275	0	3	272	217	6
<b>Asia <sup>c</sup></b>	29 150	220	194	29 165	26 235	8
China	19 536	1	51	19 487	17 719	14
India	1 553	0	53	1 503	1 302	1
Indonesia	778	1	0	779	621	3
Japan	2 564	41	0	2 604	2 480	20
Korea, Rep. of	470	4	0	474	422	9
Malaysia	377	2	31	349	287	14
Pakistan	284	0	0	285	235	2
Philippines	513	1	0	515	473	7
Thailand	721	1	4	717	550	9
Viet Nam	145	1	6	140	128	2
<b>Europe</b>	9 454	719	773	9 397	8 654	12
Austria	101	17	3	115	111	14
Belgium–Luxembourg	222	50	107	166	145	14
Czech Republic	155	4	9	150	137	13
Denmark	89	15	14	90	80	15
France	1 009	74	72	1 011	916	16
Germany	841	294	66	1 070	1 014	12
Greece	117	4	1	120	107	10
Italy	740	26	11	756	709	12
Malta	7	1	0	8	6	17
Netherlands	602	64	377	288	249	16
Norway	49	3	3	49	46	11
Poland	390	8	2	395	372	10
Portugal	102	5	3	104	89	9
Russian Federation	1 825	12	3	1 834	1 746	12
Slovenia	22	1	2	20	17	8
Spain	636	11	21	626	566	14
Sweden	107	7	4	110	103	12
Turkey	639	2	19	622	565	9
United Kingdom	641	32	14	659	586	10
<b>Middle East</b>						
Iran	491	0	0	491	419	7
Iraq	22	2	0	24	20	1
Kuwait	12	12	0	23	20	12
Saudi Arabia	129	4	14	119	88	5
United Arab Emirates	12	21	1	32	29	13

Continued



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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 530	19	8	1 541	1 316	11
<b>North America</b>	4 847	36	140	4 744	3 983	13
Canada	333	31	10	354	313	11
Mexico	1 269	10	0	1 279	1 080	12
United States	4 514	5	130	4 391	3 670	14
<b>South America</b>	2 660	12	15	2 657	2 208	7
Argentina	264	3	1	265	231	7
Brazil	1 480	2	3	1 478	1 231	8
Chile	95	0	2	93	69	5
Uruguay	32	0	1	32	26	8
<b>Oceania</b>	233	2	2	233	197	7
Australia	178	1	1	178	151	8
New Zealand	44	0	1	44	36	10
Papua New Guinea	4	0	0	4	3	1
<b>World</b>	49 775	1 028	1 138	49 650	44 158	8

<sup>a</sup> Annual average, 1995–97. <sup>b</sup> Takes account of stock changes. <sup>c</sup> Not including Middle East countries.  
Source: Food and Agriculture Organisation, FAOSTAT nutrition data, online: apps.fao.org

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

	Domestic supply			Total b	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	5 523	2 489	1 264	2 330	5 025	7
Egypt	310	184	3	0	455	7
Nigeria	366	326	9	0	676	7
South Africa	575	1 142	158	1 559	399	11
<b>Asia c</b>	65 167	19 785	6 494	75 420	60 375	17
China	31 749	6 886	1 924	36 712	29 574	24
India	5 141	50	310	4 881	4 238	5
Indonesia	4 183	467	606	4 047	3 572	18
Japan	6 629	6 586	291	12 925	8 901	71
Korea, Rep. of	2 704	1 359	892	3 191	2 302	51
Malaysia	1 232	375	237	1 373	1 102	54
Pakistan	551	0	88	0	276	2
Philippines	2 267	796	164	2 898	2 262	32
Thailand	3 594	1 193	1 229	3 560	1 783	30
Viet Nam	1 033	29	138	0	873	12
<b>Europe</b>	18 309	18 091	14 533	19 015	13 760	19
Austria	4	199	13	0	93	12
Belgium-Luxembourg	33	610	181	463	217	21
Czech Republic	24	203	26	0	138	13
Denmark	1 830	1 228	2 277	0	137	26
France	793	1 836	542	2 087	1 629	28
Germany	298	2 698	1 565	1 430	1 275	16
Greece	198	272	49	421	268	26
Italy	610	1 358	246	1 722	1 321	23
Malta	2	22	1	0	13	35
Netherlands	520	1 592	1 119	950	226	15
Norway	2 808	629	2 209	1 204	219	50
Poland	451	307	117	0	635	16
Portugal	266	506	135	639	576	59
Russian Federation	4 604	936	1 568	4 019	2 888	20
Slovenia	3	35	3	0	14	7
Spain	1 340	1 569	630	2 280	1 477	37
Sweden	412	259	402	0	271	31
Turkey	651	171	45	777	581	9
United Kingdom	1 011	2 089	840	2 260	1 175	20
<b>Middle East</b>						
Iran	377	592	7	0	352	6
Iraq	23	0	0	0	23	1
Kuwait	9	14	0	0	22	13
Saudi Arabia	50	109	0	0	113	6
United Arab Emirates	106	18	7	0	60	26

Continued

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 638	203	469	1 173	989	8
<b>North America</b>	6 367	3 482	2 290	7 587	6 336	21
Canada	898	842	793	963	673	23
Mexico	1 357	94	278	1 173	869	9
United States	5 469	2 640	1 498	6 624	5 663	21
<b>South America</b>	19 766	1 096	14 699	5 393	3 267	10
Argentina	1 149	39	792	396	343	10
Brazil	835	540	37	1 338	1 257	8
Chile	7 533	34	5 121	2 446	245	17
Uruguay	124	9	110	23	21	7
<b>Oceania</b>	988	572	687	823	562	20
Australia	219	481	117	583	347	19
New Zealand	611	24	499	126	86	23
Papua New Guinea	25	35	2	59	56	13
<b>World</b>	117 936	45 963	40 469	111 808	90 675	16

<sup>a</sup> Annual average, 1995–97. 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, online: apps.fao.org

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	23 985	4 931	350	28 533	26 272	37
Egypt	3 026	297	7	3 205	2 568	40
Nigeria	380	1 054	1	1 433	1 337	13
South Africa	2 702	196	196	2 727	2 620	69
<b>Asia c</b>	143 365	13 409	1 133	155 598	127 896	37
China	10 135	1 020	125	11 030	9 590	8
India	65 311	18	70	65 259	54 431	57
Indonesia	753	709	37	1 425	1 340	7
Japan	8 561	2 310	12	10 860	8 565	68
Korea, Rep. of	2 012	202	6	2 208	962	21
Malaysia	40	1 428	138	1 330	1 215	59
Pakistan	19 935	92	1	20 026	15 969	114
Philippines	36	1 466	1	1 501	1 453	21
Thailand	344	1 054	63	1 335	1 316	22
Viet Nam	75	488	0	562	560	8
<b>Europe</b>	221 836	35 763	51 202	206 466	149 168	205
Austria	3 112	422	735	2 872	2 235	278
Belgium-Luxembourg	3 601	3 514	4 177	2 907	2 283	217
Czech Republic	2 943	101	559	2 485	1 998	194
Denmark	4 622	346	2 713	2 228	1 196	228
France	25 852	2 883	8 247	20 478	15 050	258
Germany	28 718	5 953	11 671	22 999	19 701	241
Greece	1 903	1 018	79	2 842	2 594	246
Italy	12 022	6 465	1 126	17 393	14 552	254
Malta	39	54	0	93	72	190
Netherlands	11 076	5 807	7 868	9 025	5 554	357
Norway	1 922	27	218	1 731	1 175	269
Poland	11 822	427	1 668	10 582	7 583	196
Portugal	1 872	249	225	1 896	1 833	186
Russian Federation	36 468	1 516	1 497	36 488	20 755	140
Slovenia	590	22	87	525	410	206
Spain	6 766	1 780	438	8 089	6 490	164
Sweden	3 318	305	194	3 429	3 109	352
Turkey	10 480	86	23	10 543	8 541	137
United Kingdom	14 743	2 770	1 929	15 627	13 334	227
<b>Middle East</b>						
Iran	4 751	237	0	4 989	3 391	53
Iraq	470	48	0	518	474	23
Kuwait	37	305	6	306	306	180
Saudi Arabia	685	1 151	130	1 706	1 643	87
United Arab Emirates	62	365	12	405	351	155

Continued

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	10 036	2 571	152	12 458	11 533	92
<b>North America</b>	78 335	4 668	2 219	80 900	74 547	249
Canada	7 970	345	742	7 590	6 115	204
Mexico	7 974	2 108	54	10 029	9 166	99
United States	70 365	4 322	1 477	73 310	68 432	254
<b>South America</b>	41 437	4 212	1 378	44 183	38 825	119
Argentina	9 105	175	864	8 337	7 781	221
Brazil	18 769	2 509	29	21 249	18 973	118
Chile	1 965	221	78	2 108	1 767	123
Uruguay	1 348	8	358	1 000	600	185
<b>Oceania</b>	19 102	483	11 526	8 133	5 860	209
Australia	8 917	339	4 526	4 785	4 618	255
New Zealand	10 116	29	7 000	3 164	1 104	297
Papua New Guinea	0	28	0	28	28	6
<b>World</b>	539 269	67 062	67 983	538 443	436 157	76

<sup>a</sup> Annual average, 1995–97. 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, online: apps.fao.org

## 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>	4 966	3 291	615	7 684	6 248	9
Egypt	122	777	7	871	463	7
Nigeria	1 724	87	36	1 775	1 642	16
South Africa	382	444	68	757	473	12
<b>Asia c</b>	39 478	13 350	15 374	36 469	26 862	8
China	8 469	3 358	688	11 091	7 923	6
India	7 401	1 675	274	8 384	6 981	7
Indonesia	6 158	158	3 227	2 856	1 696	9
Japan	1 811	694	29	2 476	1 582	13
Korea, Rep. of	280	442	25	659	455	10
Malaysia	9 730	196	8 829	992	275	13
Pakistan	549	1 296	0	1 870	1 773	13
Philippines	1 551	58	1 108	501	359	5
Thailand	668	72	35	628	339	6
Viet Nam	165	126	23	250	142	2
<b>Europe</b>	14 374	10 825	9 065	15 917	10 550	15
Austria	104	153	62	192	141	18
Belgium–Luxembourg	713	847	1 020	573	237	23
Czech Republic	209	88	78	219	162	16
Denmark	143	317	195	266	40	8
France	1 198	1 118	885	1 430	975	17
Germany	2 515	1 711	1 852	2 396	1 435	18
Greece	565	136	200	476	312	30
Italy	1 183	1 006	446	1 719	1 437	25
Malta	0	8	0	8	3	9
Netherlands	1 240	1 585	2 209	712	259	17
Norway	62	41	6	97	60	14
Poland	370	293	67	588	476	12
Portugal	276	130	124	269	174	18
Russian Federation	830	677	27	1 481	1 098	7
Slovenia	0	55	15	40	20	10
Spain	1 871	602	702	1 468	1 070	27
Sweden	127	195	128	194	148	17
Turkey	916	752	324	1 260	1 227	20
United Kingdom	908	1 103	347	1 670	987	17
<b>Middle East</b>						
Iran	106	845	184	768	na	11
Iraq	24	472	0	513	496	24
Kuwait	0	49	3	33	20	12
Saudi Arabia	9	282	21	260	253	13
United Arab Emirates	0	160	26	128	26	11

*Continued*

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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	1 206	868	166	1 909	1 343	11
<b>North America</b>	11 170	1 961	2 972	10 099	7 069	24
Canada	1 555	278	657	1 223	559	19
Mexico	904	654	65	1 492	1 086	12
United States	9 615	1 684	2 314	8 876	6 510	24
<b>South America</b>	9 683	1 146	5 168	5 409	4 087	13
Argentina	4 033	30	3 281	523	540	15
Brazil	4 247	399	1 549	3 067	2 132	13
Chile	17	180	44	153	158	11
Uruguay	28	21	6	45	26	8
<b>Oceania</b>	604	321	429	512	414	15
Australia	262	219	67	414	347	19
New Zealand	2	66	18	50	31	8
Papua New Guinea	297	16	301	28	18	4
<b>World</b>	81 558	32 091	33 801	78 392	56 883	10

<sup>a</sup> Annual average, 1995–97. 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, online: [apps.fao.org](http://apps.fao.org)

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

	Domestic supply			Total b	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Africa</b>	455	539	35	973	608	1
Egypt	101	99	0	206	150	2
Nigeria	38	52	0	90	41	0
South Africa	44	120	14	151	64	2
<b>Asia c</b>	6 179	1 557	171	7 577	5 705	2
China	2 406	463	34	2 835	2 176	2
India	1 616	3	5	1 614	1 446	2
Indonesia	90	18	2	107	103	1
Japan	440	228	10	657	286	2
Korea, Rep. of	105	140	3	242	126	3
Malaysia	20	21	1	40	35	2
Pakistan	512	59	0	572	513	4
Philippines	117	38	1	154	107	2
Thailand	26	28	1	53	42	1
Viet Nam	64	28	0	92	92	1
<b>Europe</b>	11 979	3 681	3 153	12 579	8 662	12
Austria	255	21	51	228	156	19
Belgium–Luxembourg	484	562	392	652	283	27
Czech Republic	240	27	33	234	106	10
Denmark	429	113	246	273	141	27
France	1 243	442	406	1 282	1 097	19
Germany	2 119	375	467	2 077	1 736	21
Greece	100	26	4	122	35	3
Italy	552	297	106	747	592	10
Malta	3	2	0	5	4	10
Netherlands	500	550	441	598	131	8
Norway	157	182	94	244	70	16
Poland	701	16	42	676	492	13
Portugal	122	27	17	133	119	12
Russian Federation	1 501	250	14	1 736	1 470	10
Slovenia	45	6	5	46	23	12
Spain	540	220	60	705	154	4
Sweden	219	21	51	192	170	19
Turkey	159	169	17	310	130	2
United Kingdom	438	399	205	649	477	8
<b>Middle East</b>						
Iran	167	27	0	194	na	2
Iraq	10	8	0	19	16	1
Kuwait	3	4	4	5	5	3
Saudi Arabia	14	25	2	36	30	2
United Arab Emirates	3	12	6	10	9	4

Continued



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

	Domestic supply			Total <sup>b</sup>	Food consumption	
	Production	Imports	Exports		Volume	Per person
	kt	kt	kt	kt	kt	kg
<b>Central America</b>	347	627	12	965	415	3
<b>North America</b>	7 285	232	2 138	5 390	2 038	7
Canada	839	114	298	653	406	14
Mexico	275	485	3	758	339	4
United States	6 446	119	1 841	4 737	1 631	6
<b>South America</b>	2 139	264	506	1 892	873	3
Argentina	286	26	63	239	141	4
Brazil	813	50	18	845	385	2
Chile	354	12	155	211	27	2
Uruguay	65	3	46	27	16	5
<b>Oceania</b>	1 179	45	922	288	189	7
Australia	664	11	502	179	113	6
New Zealand	510	10	419	79	57	15
Papua New Guinea	3	11	0	13	9	2
<b>World</b>	29 610	7 090	6 939	29 854	18 552	3

<sup>a</sup> Annual average, 1995–97. 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, online: [apps.fao.org](http://apps.fao.org)

# 10 Selected economic and demographic information – key countries

	Population		a Age structure (in years) a			Gross domestic product b		
	million	Growth rate %	0–14 %	15–64 %	65+ %	US\$b	Per person US\$	Agriculture contribution %
<b>Africa</b>								
Egypt	67.3	1.8	36	61	3	188	2 850	16.0
Nigeria	113.8	2.9	45	52	3	106	960	33.0
South Africa	43.4	1.3	34	61	5	291	6 800	5.0
<b>Asia c</b>								
China	1246.9	0.8	26	68	6	4 420	3 600	19.0
Chinese Taipei	22.1	0.9	22	70	8	362	16 500	2.7
India	1001.0	1.7	34	61	5	1 689	1 720	25.0
Indonesia	216.1	1.5	30	65	5	602	2 830	18.8
Japan	126.2	0.2	15	68	17	2 903	23 100	2.0
Korea, Rep. of	46.9	1.0	22	71	7	585	12 600	6.0
Malaysia	21.4	2.1	35	61	4	215	10 300	13.0
Pakistan	138.1	2.2	41	55	4	270	2 000	24.2
Philippines	79.3	2.0	37	59	4	271	3 500	20.0
Thailand	60.6	0.9	24	70	6	369	6 100	12.0
Viet Nam	77.3	1.4	34	61	5	135	1 770	28.0
<b>Europe</b>								
Austria	8.1	0.1	17	68	15	185	22 700	1.4
Belgium–Luxembourg	10.2	0.1	17	66	17	236	23 400	1.9
Czech Republic	10.3	0.0	17	69	14	117	11 300	5.0
Denmark	5.4	0.4	18	67	15	124	23 300	4.0
France	59.0	0.3	19	65	16	1 320	22 600	2.4
Germany	82.1	0.0	15	69	16	1 813	22 100	1.1
Greece	10.7	0.4	16	67	17	143	13 400	8.5
Italy	56.7	-0.1	14	68	18	1 181	20 800	3.3
Malta	0.4	0.5	20	68	12	5	13 000	3.0
Netherlands	15.8	0.5	18	68	14	349	22 200	3.2
Norway	4.4	0.4	20	65	15	109	24 700	2.0
Poland	38.6	0.1	20	68	12	263	6 800	5.1
Portugal	9.9	-0.1	17	68	15	145	14 600	4.0
Russian Federation	146.4	-0.3	19	68	13	593	4 000	7.0
Slovenia	2.0	0.0	16	70	14	20	10 300	5.0
Spain	39.2	0.1	15	68	17	646	16 500	3.4
Sweden	8.9	0.3	19	64	17	175	19 700	2.0
Turkey	65.6	1.6	30	64	6	425	6 600	14.4
United Kingdom	59.1	0.2	19	65	16	1 252	21 200	1.5
<b>Middle East</b>								
Iran	65.2	1.1	36	60	4	340	5 000	na
Iraq	22.4	3.2	44	53	3	52	2 400	na
Kuwait	2.0	3.9	32	66	2	44	22 700	0.0
Saudi Arabia	21.5	3.4	43	54	3	186	9 000	6.0
United Arab Emirates	2.3	1.8	31	67	2	40	17 400	3.0

Continued

# 10 Selected economic and demographic information – key countries

Continued

	Population	a	Age structure (in years) a			Gross domestic product b		
	Growth rate		0–14	15–64	65+	Per person	Agriculture contribution	
	million	%	%	%	%	US\$b	US\$	%
<b>Central America</b>								
<b>North America</b>								
Canada	31.0	1.1	20	68	12	688	22 400	3.0
Mexico	100.3	1.7	35	61	4	815	8 300	6.0
United States	272.6	0.9	22	66	12	8 511	31 500	2.0
<b>South America</b>								
Argentina	36.7	1.3	27	62	11	374	10 300	7.0
Brazil	171.9	1.2	30	65	5	1 035	6 100	14.0
Chile	15.0	1.2	28	65	7	185	12 500	6.0
Uruguay	3.3	0.7	24	63	13	28	8 600	8.0
<b>Oceania</b>								
Australia	18.8	0.9	21	66	13	394	21 200	4.0
New Zealand	3.7	1.0	23	65	12	61	17 000	9.0
Papua New Guinea	4.7	2.3	39	58	3	11	2 400	28.0
<b>World</b>	5 995.5	1.3	30	63	7	39 000	6 600	na

a 1999 estimate. b Purchasing power parity, 1998 estimate. c Not including Middle East countries

Source: Central Intelligence Agency, World Factbook 1999, online: [www.odci.gov/cia/publications/factbook/](http://www.odci.gov/cia/publications/factbook/)

