



Australian Government

Australian Bureau of Agricultural and
Resource Economics and Sciences



Australian commodity statistics

2010

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Science and economics for decision-makers

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Australian Bureau of Agricultural and Resource Economics and Sciences

Postal address GPO Box 1563 Canberra ACT 2601 Australia
Switchboard +61 2 6272 2010
Facsimile +61 2 6272 2001
Email info@abares.gov.au
Web abares.gov.au

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The Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), was formed following the merger of the Australian Bureau of Agricultural and Resource Economics (ABARE) and the Bureau of Rural Sciences (BRS) in 2010–11.

Foreword

Australian commodity statistics is an invaluable reference book for anyone associated with Australia's agricultural and resources industries. It is a comprehensive publication, containing overview and macroeconomic information as well as key statistics on the supply of and demand for each commodity covered. Current data are presented alongside historical data, with some historical series extending for more than 40 years.

In *Australian commodity statistics*, ABARES aims for continuity from year to year. This makes it possible for users to monitor industry developments over time. To ensure that the most relevant package of statistics is provided, the tables are scrutinised each year, with some changes made and new tables added.

Australian commodity statistics can be used in conjunction with the ABARES publication *Australian commodities*, in which the most important statistics, including forecasts, are updated throughout the year. Both of these publications provide background material for the ABARES National Outlook conference, which is held in Canberra in March each year and at which medium-term outlook assessments are presented for the major agricultural and natural resource based industries.

Other ABARES publications that contain mainly statistical information on commodities and, as such, complement the data presented in *Australian commodity statistics* are *Australian crop report* (quarterly), *Australian mineral statistics* (quarterly), *Australian forest and wood products statistics* (biannual) and *Australian fisheries statistics* (annual).



Phillip Glyde
Executive Director
December 2010

Abbreviations and symbols

lb	pound	454 grams
kg	kilogram	2.20462 pounds
t	tonne	1000 kilograms
kt	kilotonne	1000 tonnes
Mt	megatonne	1 000 000 tonnes
L	litre	1.761 pints
kL	kilolitre	1000 litres
ML	megalitre	1 000 000 litres
GL	gigalitre	1 000 000 000 litres
ha	hectare	2.471 acres
m ³	cubic metre	1.307 cubic yards
c	cent (Australian)	
A\$	dollar (Australian)	
\$m	million dollars (Australian)	
DM	deutschmark	
ECU	European currency unit	
€	euro	
£	pound sterling	
USc	cent (United States)	
US\$	dollar (United States)	
¥	yen	
ct	carat	
bbl	barrel	
mbd	million barrels a day	
cif	cost, insurance and freight	
fas	free alongside ship	
fob	free on board	
fot	free on truck	
nec	not elsewhere classified	
ABARE	Australian Bureau of Agricultural and Resource Economics (now ABARES)	
ABARES	Australian Bureau of Agricultural and Resource Economics and Sciences	
ABS	Australian Bureau of Statistics	
AWB Limited	Australian Wheat Board, Australian grain marketing company	
BAE	Bureau of Agricultural Economics (now ABARES)	
BMR	Bureau of Mineral Resources, Geology and Geophysics	
BRS	Bureau of Rural Sciences (now ABARES)	
FAO	Food and Agriculture Organization of the United Nations	

All values and prices are in nominal terms unless stated in table footnotes.
Small discrepancies in totals are generally caused by rounding.

0 is used to denote nil or a negligible amount.

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To assist users of *Australian commodity statistics*, a 'where to find' list of commonly used or difficult to find general items is included at the back of this report.

APEC – Asia-Pacific Economic Cooperation

Founding members (1989)

Australia
Brunei Darussalam
Canada
Indonesia
Japan
Republic of Korea
Malaysia
New Zealand
Philippines
Singapore
Thailand
United States

First enlargement (1991)

People's Republic of China
Hong Kong, China
Chinese Taipei

Second enlargement (1993)

Mexico
Papua New Guinea

Third enlargement (1994)

Chile

Forth enlargement (1998)

Peru
Russian Federation
Vietnam

ASEAN – Association of Southeast Asian Nations

Brunei Darussalam
Cambodia
Indonesia
Laos
Malaysia
Myanmar
Philippines
Singapore
Thailand
Vietnam

European Union	Kuwait	1960
Founding members (1957)	Libya	1962
Belgium	Nigeria	1971
France	Qatar	1961
Germany	Saudi Arabia	1960
Italy	United Arab Emirates	1967
Luxembourg	Venezuela	1960
Netherlands		
First enlargement (1973)	OECD – Organisation for Economic Co-operation and Development	
Denmark		
Ireland		
United Kingdom		
Second enlargement (1981)	Deposited instruments of ratification	
Greece	Canada	10 April 1961
Third enlargement (1986)	United States	12 April 1961
Portugal	United Kingdom	2 May 1961
Spain	Denmark	30 May 1961
Fourth enlargement (1995)	Iceland	5 June 1961
Austria	Norway	4 July 1961
Finland	Turkey	2 August 1961
Sweden	Spain	3 August 1961
Fifth enlargement (2004)	Portugal	4 August 1961
Cyprus	France	7 August 1961
Czech Republic	Ireland	17 August 1961
Estonia	Belgium	13 September 1961
Hungary	Germany	27 September 1961
Latvia	Greece	27 September 1961
Lithuania	Sweden	28 September 1961
Malta	Switzerland	28 September 1961
Poland	Austria	29 September 1961
Slovakia	Netherlands	13 November 1961
Slovenia	Luxembourg	7 December 1961
Sixth enlargement (2007)	Italy	29 March 1962
Bulgaria	Japan	28 April 1964
Romania	Finland	28 January 1969
OPEC – Organization of the Petroleum Exporting Countries	Australia	7 June 1971
Algeria	New Zealand	29 May 1973
Angola	Mexico	18 May 1994
Equador	Czech Republic	21 December 1995
Indonesia	Hungary	7 May 1996
Iran	Poland	22 November 1996
Iraq	Republic of Korea	12 December 1996
	Slovak Republic	14 December 2000
	Chile	7 May 2010
	Slovenia	21 July 2010
	Israel	7 September 2010



Australian economy

2010

Overview
Macroeconomic indicators
Farm sector
Resource sector

Australian gross product, by sector

	Chain volume measures ^a					Nominal prices	
	Rural		Mining		Services to mining	Gross domestic product	Gross domestic product
	Farm	Total ^b	(excl. services to mining)	Total			
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1974-75	11 671	13 408	20 086	na	23 189	407 812	71 653
1975-76	12 740	14 516	19 483	na	22 593	420 286	83 848
1976-77	13 051	14 905	20 747	na	24 060	434 228	96 677
1977-78	12 596	14 416	21 273	na	24 585	438 540	105 581
1978-79	15 654	17 546	21 820	na	25 120	456 346	119 361
1979-80	13 455	15 390	21 360	na	24 277	470 210	135 338
1980-81	11 510	13 491	21 762	na	24 511	486 783	153 321
1981-82	13 757	15 698	21 587	na	23 749	501 394	176 843
1982-83	10 488	12 266	22 408	na	24 884	491 025	190 410
1983-84	15 601	17 577	24 064	na	27 008	512 077	214 870
1984-85	15 654	17 612	27 182	na	30 773	539 969	236 891
1985-86	14 873	16 381	29 749	5 818	33 880	564 885	262 168
1986-87	14 718	16 557	28 315	3 973	31 876	576 823	287 799
1987-88	14 050	16 199	33 183	5 118	37 578	607 798	328 109
1988-89	14 529	16 915	34 856	5 325	39 447	634 593	370 720
1989-90	15 871	18 300	38 892	4 729	43 405	653 638	408 726
1990-91	16 820	19 315	41 645	4 043	45 872	651 996	420 412
1991-92	15 874	18 291	43 822	3 716	47 970	655 122	427 785
1992-93	16 955	19 252	43 897	4 271	48 448	681 317	449 091
1993-94	17 714	20 048	44 686	4 297	49 294	708 725	471 998
1994-95	14 431	17 111	47 629	5 192	52 826	737 162	499 785
1995-96	18 158	20 753	51 739	5 835	57 601	767 563	532 025
1996-97	19 486	22 440	52 443	5 891	58 358	796 655	559 260
1997-98	19 331	22 469	54 281	6 051	60 349	834 080	591 514
1998-99	21 468	24 616	54 664	5 425	59 998	875 430	622 695
1999-00	22 393	26 175	57 825	5 208	62 837	910 256	663 867
2000-01	23 219	27 168	62 024	6 020	67 991	928 985	708 889
2001-02	23 999	27 912	62 040	6 220	68 242	963 871	759 204
2002-03	17 893	21 972	62 029	6 610	68 694	995 144	804 361
2003-04	23 186	27 583	60 333	6 316	66 688	1035 261	864 955
2004-05	24 217	28 689	63 179	6 873	70 167	1065 627	925 864
2005-06	24 948	29 479	64 344	7 046	71 509	1097 318	1000 787
2006-07	20 422	24 972	69 737	7 704	77 557	1138 800	1 091 327
2007-08	22 093	26 666	70 580	8 543	79 123	1 182 360	1 181 750
2008-09	26 081	30 673	73 215	8 551	81 767	1 195 338	1 254 651
2009-10	26 373	31 019	76 148	7 664	83 813	1 223 717	1 299 963

^a Reference year is 2006-07. Original series, based on ANZSIC codes. For more information on chain volume measures, see the ABS information paper *Australian National Accounts, Introduction of Chain Volume and Price Indexes*, cat. no. 5248.0, released 19 March 1998. ^b Includes farm, forestry, fishing and hunting. na Not available.

Sources: ABS, *Australian National Accounts, National Income, Expenditure and Product*, cat. nos. 5204.0 and 5206.0, Canberra.

Overview

2 Australian employment, by sector ^a

	Rural					Total employment
	Farm '000	Total b '000	Mining '000	Manufacturing '000	Other '000	'000
1964-65	414	475	53	na	na	4 555
1965-66	409	470	55	na	na	4 705
1966-67	402	461	57	na	na	4 871
1967-68	401	458	60	na	na	4 989
1968-69	396	448	63	na	na	5 112
1969-70	392	452	69	na	na	5 285
1970-71	401	450	76	na	na	5 466
1971-72	393	447	77	na	na	5 540
1972-73	388	434	77	na	na	5 680
1973-74	377	427	78	na	na	5 863
1974-75	368	414	82	na	na	5 856
1975-76	365	401	81	na	na	5 929
1976-77	360	393	81	na	na	5 966
1977-78	351	390	80	na	na	6 018
1978-79	348	388	81	1 205	4 367	6 041
1979-80	364	404	81	1 242	4 460	6 187
1980-81	367	414	88	1 246	4 600	6 348
1981-82	363	409	99	1 249	4 668	6 425
1982-83	374	417	96	1 163	4 645	6 321
1983-84	367	407	98	1 139	4 724	6 368
1984-85	361	403	94	1 139	4 927	6 563
1985-86	386	425	106	1 082	5 236	6 850
1986-87	377	420	101	1 076	5 423	7 020
1987-88	375	416	98	1 108	5 597	7 219
1988-89	384	432	98	1 150	5 857	7 537
1989-90	381	426	104	1 152	6 141	7 822
1990-91	387	432	95	1 093	6 142	7 762
1991-92	367	406	90	1 042	6 085	7 623
1992-93	360	402	87	1 038	6 074	7 601
1993-94	363	406	89	1 046	6 214	7 755
1994-95	357	401	86	1 071	6 499	8 057
1995-96	370	416	85	1 066	6 722	8 289
1996-97	375	419	86	1 080	6 769	8 355
1997-98	378	428	83	1 074	6 892	8 477
1998-99	366	418	80	1 041	7 102	8 642
1999-00	385	436	78	1 057	7 264	8 835
2000-01	373	432	79	1 068	7 440	9 018
2001-02	383	438	81	1 042	7 579	9 140
2002-03	322	370	88	1 073	7 848	9 380
2003-04	317	367	96	1 033	8 031	9 526
2004-05	307	357	105	1 051	8 273	9 786
2005-06	300	348	129	1 025	8 587	10 088
2006-07	306	350	135	1 024	8 864	10 374
2007-08	301	353	145	1 056	9 091	10 644
2008-09	318	358	167	1 017	9 225	10 767
2009-10	325	369	173	1 006	9 479	11 027

^a Average employment over four quarters, based on ANZSIC and equivalent ASIC codes. ^b Includes farm, forestry, fishing and hunting. na Not available.
 Sources: ABS, *The Labour Force, Australia*, cat. no. 6203.0, Canberra; ABS, *The Labour Force, Australia, 1979 to 1990*, cat. no. 6204.0, Canberra.

3 Contribution to Australian employment, by sector

	Rural				
	Farm %	Total ^a %	Mining %	Manufacturing %	Other %
1964-65	9.1	10.4	1.2	na	na
1965-66	8.7	10.0	1.2	na	na
1966-67	8.3	9.5	1.2	na	na
1967-68	8.0	9.2	1.2	na	na
1968-69	7.7	8.8	1.2	na	na
1969-70	7.4	8.6	1.3	na	na
1970-71	7.3	8.2	1.4	na	na
1971-72	7.1	8.1	1.4	na	na
1972-73	6.8	7.6	1.4	na	na
1973-74	6.4	7.3	1.3	na	na
1974-75	6.3	7.1	1.4	na	na
1975-76	6.2	6.8	1.4	na	na
1976-77	6.0	6.6	1.4	na	na
1977-78	5.8	6.5	1.3	na	na
1978-79	5.8	6.4	1.3	19.9	72.3
1979-80	5.9	6.5	1.3	20.1	72.1
1980-81	5.8	6.5	1.4	19.6	72.5
1981-82	5.6	6.4	1.5	19.4	72.7
1982-83	5.9	6.6	1.5	18.4	73.5
1983-84	5.8	6.4	1.5	17.9	74.2
1984-85	5.5	6.1	1.4	17.4	75.1
1985-86	5.6	6.2	1.5	15.8	76.4
1986-87	5.4	6.0	1.4	15.3	77.3
1987-88	5.2	5.8	1.4	15.4	77.5
1988-89	5.1	5.7	1.3	15.3	77.7
1989-90	4.9	5.4	1.3	14.7	78.5
1990-91	5.0	5.6	1.2	14.1	79.1
1991-92	4.8	5.3	1.2	13.7	79.8
1992-93	4.7	5.3	1.1	13.7	79.9
1993-94	4.7	5.2	1.2	13.5	80.1
1994-95	4.4	5.0	1.1	13.3	80.7
1995-96	4.5	5.0	1.0	12.9	81.1
1996-97	4.5	5.0	1.0	12.9	81.0
1997-98	4.5	5.1	1.0	12.7	81.3
1998-99	4.2	4.8	0.9	12.1	82.2
1999-00	4.4	4.9	0.9	12.0	82.2
2000-01	4.1	4.8	0.9	11.8	82.5
2001-02	4.2	4.8	0.9	11.4	82.9
2002-03	3.4	3.9	0.9	11.4	83.7
2003-04	3.3	3.9	1.0	10.8	84.3
2004-05	3.1	3.6	1.1	10.7	84.5
2005-06	3.0	3.5	1.3	10.2	85.1
2006-07	3.0	3.4	1.3	9.9	85.4
2007-08	2.8	3.3	1.4	9.9	85.4
2008-09	2.9	3.3	1.6	9.4	85.7
2009-10	2.9	3.3	1.6	9.1	86.0

^a Includes farm, forestry, fishing and hunting. na Not available.

Sources: ABS, *The Labour Force, Australia*, cat. no. 6203.0, Canberra; ABS, *The Labour Force, Australia, 1979 to 1990*, cat. no. 6204.0, Canberra.

Overview

4 Value of Australian exports, by sector Balance of payments basis

	Farm a \$m	Forest b \$m	Fisheries c \$m	Resource sector d \$m	Total commodities \$m	Total merchandise \$m	Total goods and services \$m
1964-65	1 927	16	18	na	na	2 616	3 061
1965-66	1 849	15	24	na	na	2 667	3 148
1966-67	2 006	23	25	na	na	2 966	3 496
1967-68	1 833	18	34	na	na	2 980	3 586
1968-69	1 868	18	39	na	na	3 254	3 909
1969-70	2 105	20	39	1 268	3 416	4 014	4 781
1970-71	2 103	25	56	1 430	3 594	4 261	5 103
1971-72	2 414	28	73	1 545	4 021	4 766	5 704
1972-73	3 316	55	72	1 809	5 208	6 110	7 040
1973-74	3 504	74	66	2 246	5 849	6 861	7 925
1974-75	3 816	87	69	3 420	7 360	8 656	10 160
1975-76	4 267	84	80	3 869	8 306	9 628	11 253
1976-77	5 189	116	135	4 813	10 154	11 618	13 469
1977-78	5 203	123	143	5 211	10 570	12 208	14 295
1978-79	6 022	142	192	5 928	12 285	14 292	16 968
1979-80	8 398	207	235	7 400	16 262	18 946	22 093
1980-81	8 179	238	230	7 480	16 177	19 095	22 682
1981-82	4 372	239	307	8 289	16 686	19 742	23 774
1982-83	4 573	261	354	10 058	17 962	21 313	25 709
1983-84	4 703	266	393	11 524	20 502	24 049	28 970
1984-85	5 470	311	399	14 952	26 146	30 200	35 847
1985-86	6 332	348	482	16 285	28 483	32 603	39 053
1986-87	7 935	429	593	17 399	30 593	36 406	44 294
1987-88	10 369	481	730	19 980	35 321	41 915	51 788
1988-89	15 097	613	674	21 196	37 264	44 292	55 514
1989-90	14 462	616	784	24 932	40 495	49 027	61 048
1990-91	13 076	706	831	28 030	42 371	52 685	66 505
1991-92	14 609	748	980	28 304	44 318	55 538	70 171
1992-93	15 991	826	1 090	29 755	47 352	60 787	77 301
1993-94	17 471	911	1 243	29 877	48 894	64 514	83 524
1994-95	18 022	1 067	1 367	30 367	50 022	67 191	88 261
1995-96	20 598	1 087	1 328	34 437	56 451	76 309	99 800
1996-97	22 316	1 198	1 305	36 048	59 739	81 057	106 304
1997-98	23 469	1 348	1 489	40 912	66 169	88 583	115 122
1998-99	23 027	1 347	1 511	39 210	63 879	85 636	113 674
1999-00	24 537	1 607	1 988	45 482	72 171	97 685	128 139
2000-01	30 074	1 846	2 169	57 720	90 354	120 201	155 909
2001-02	31 935	2 018	2 100	57 200	91 488	121 067	155 855
2002-03	27 919	2 091	1 844	57 002	86 925	115 895	151 616
2003-04	26 574	2 040	1 652	53 751	82 671	109 418	146 729
2004-05	27 901	2 119	1 542	68 561	98 869	127 812	167 101
2005-06	27 824	2 140	1 547	91 294	121 725	154 035	195 676
2006-07	27 900	2 355	1 494	106 680	137 080	169 524	215 480
2007-08	27 530	2 471	1 342	116 177	146 148	182 952	233 597
2008-09	32 052	2 343	1 529	160 221	194 138	231 564	284 437
2009-10	28 492	2 260	1 247	137 195	167 508	201 458	254 004

a Includes exports of wine. b Includes paper and paperboard. c Tuna captured under joint venture agreements or transhipped at sea are not included.

d Minerals and energy resources. Before 1990-91, includes ABARE estimates for items such as bauxite, manganese and diamonds which were excluded from ABS estimates for confidentiality reasons. From July 1990, ABS estimates contain details for such items. na Not available.

Sources: ABS, *Balance of Payments, Australia*, cat. nos. 5302.0 and 5303.0, Canberra; ABARES.

5

Contribution to Australian merchandise exports, by sector

Balance of payments basis

	Farm ^a %	Forest ^b %	Fisheries ^c %	Resource sector ^d %	Total commodities %
1964-65	73.7	0.6	0.7	na	na
1965-66	69.3	0.5	0.9	na	na
1966-67	67.6	0.8	0.8	na	na
1967-68	61.5	0.6	1.1	na	na
1968-69	57.4	0.5	1.2	na	na
1969-70	52.5	0.5	1.0	31.6	85.1
1970-71	49.3	0.6	1.3	33.6	84.3
1971-72	50.7	0.6	1.5	32.4	84.4
1972-73	54.3	0.9	1.2	29.6	85.2
1973-74	51.1	1.1	1.0	32.7	85.2
1974-75	44.1	1.0	0.8	39.5	85.0
1975-76	44.3	0.9	0.8	40.2	86.3
1976-77	44.7	1.0	1.2	41.4	87.4
1977-78	42.6	1.0	1.2	42.7	86.6
1978-79	42.1	1.0	1.3	41.5	86.0
1979-80	44.3	1.1	1.2	39.1	85.8
1980-81	42.8	1.2	1.2	39.2	84.7
1981-82	22.1	1.2	1.6	42.0	84.5
1982-83	21.5	1.2	1.7	47.2	84.3
1983-84	19.6	1.1	1.6	47.9	85.3
1984-85	18.1	1.0	1.3	49.5	86.6
1985-86	19.4	1.1	1.5	49.9	87.4
1986-87	21.8	1.2	1.6	47.8	84.0
1987-88	24.7	1.1	1.7	47.7	84.3
1988-89	34.1	1.4	1.5	47.9	84.1
1989-90	29.5	1.3	1.6	50.9	82.6
1990-91	24.8	1.3	1.6	53.2	80.4
1991-92	26.3	1.3	1.8	51.0	79.8
1992-93	26.3	1.4	1.8	48.9	77.9
1993-94	27.1	1.4	1.9	46.3	75.8
1994-95	26.8	1.6	2.0	45.2	74.4
1995-96	27.0	1.4	1.7	45.1	74.0
1996-97	27.5	1.5	1.6	44.5	73.7
1997-98	26.5	1.5	1.7	46.2	74.7
1998-99	26.9	1.6	1.8	45.8	74.6
1999-00	25.1	1.6	2.0	46.6	73.9
2000-01	25.0	1.5	1.8	48.0	75.2
2001-02	26.4	1.7	1.7	47.2	75.6
2002-03	24.1	1.8	1.6	49.2	75.0
2003-04	24.3	1.9	1.5	49.1	75.6
2004-05	21.8	1.7	1.2	53.6	77.4
2005-06	18.1	1.4	1.0	59.3	79.0
2006-07	16.5	1.4	0.9	62.9	80.9
2007-08	15.0	1.4	0.7	63.5	79.9
2008-09	13.8	1.0	0.7	69.2	83.8
2009-10	14.1	1.1	0.6	68.1	83.1

^a Includes exports of wine. ^b Includes paper and paperboard. ^c Tuna captured under joint venture agreements or transhipped at sea are not included.^d Minerals and energy resources. Before 1990-91, includes ABARE estimates for items such as bauxite, manganese and diamonds which were excluded from ABS estimates for confidentiality reasons. From July 1990, ABS estimates contain details for such items. na Not available.Sources: ABS, *Balance of Payments, Australia*, cat. nos. 5302.0 and 5303.0, Canberra; ABARES.

Overview

6 Contribution to Australian total exports, by sector Balance of payments basis

	Farm a %	Forest b %	Fisheries c %	Resource sector d %	Total commodities %	Total merchandise %	Services %
1964-65	63.0	0.5	0.6	na	na	85.5	14.5
1965-66	58.7	0.5	0.8	na	na	84.7	15.3
1966-67	57.4	0.7	0.7	na	na	84.8	15.2
1967-68	51.1	0.5	0.9	na	na	83.1	16.9
1968-69	47.8	0.5	1.0	na	na	83.2	16.8
1969-70	44.0	0.4	0.8	26.5	71.4	84.0	16.0
1970-71	41.2	0.5	1.1	28.0	70.4	83.5	16.5
1971-72	42.3	0.5	1.3	27.1	70.5	83.6	16.4
1972-73	47.1	0.8	1.0	25.7	74.0	86.8	13.2
1973-74	44.2	0.9	0.8	28.3	73.8	86.6	13.4
1974-75	37.6	0.9	0.7	33.7	72.4	85.2	14.8
1975-76	37.9	0.7	0.7	34.4	73.8	85.6	14.4
1976-77	38.5	0.9	1.0	35.7	75.4	86.3	13.7
1977-78	36.4	0.9	1.0	36.5	73.9	85.4	14.6
1978-79	35.5	0.8	1.1	34.9	72.4	84.2	15.8
1979-80	38.0	0.9	1.1	33.5	73.6	85.8	14.2
1980-81	36.1	1.0	1.0	33.0	71.3	84.2	15.8
1981-82	18.4	1.0	1.3	34.9	70.2	83.0	17.0
1982-83	17.8	1.0	1.4	39.1	69.9	82.9	17.1
1983-84	16.2	0.9	1.4	39.8	70.8	83.0	17.0
1984-85	15.3	0.9	1.1	41.7	72.9	84.2	15.8
1985-86	16.2	0.9	1.2	41.7	72.9	83.5	16.5
1986-87	17.9	1.0	1.3	39.3	69.1	82.2	17.8
1987-88	20.0	0.9	1.4	38.6	68.2	80.9	19.1
1988-89	27.2	1.1	1.2	38.2	67.1	79.8	20.2
1989-90	23.7	1.0	1.3	40.8	66.3	80.3	19.7
1990-91	19.7	1.1	1.2	42.1	63.7	79.2	20.8
1991-92	20.8	1.1	1.4	40.3	63.2	79.1	20.9
1992-93	20.7	1.1	1.4	38.5	61.3	78.6	21.4
1993-94	20.9	1.1	1.5	35.8	58.5	77.2	22.8
1994-95	20.4	1.2	1.5	34.4	56.7	76.1	23.9
1995-96	20.6	1.1	1.3	34.5	56.6	76.5	23.5
1996-97	21.0	1.1	1.2	33.9	56.2	76.3	23.7
1997-98	20.4	1.2	1.3	35.5	57.5	76.9	23.1
1998-99	20.3	1.2	1.3	34.5	56.2	75.3	24.7
1999-00	19.1	1.3	1.6	35.5	56.3	76.2	23.8
2000-01	19.3	1.2	1.4	37.0	58.0	77.1	22.9
2001-02	20.5	1.3	1.3	36.7	58.7	77.7	22.3
2002-03	18.4	1.4	1.2	37.6	57.3	76.4	23.6
2003-04	18.1	1.4	1.1	36.6	56.3	74.6	25.4
2004-05	16.7	1.3	0.9	41.0	59.2	76.5	23.5
2005-06	14.2	1.1	0.8	46.7	62.2	78.7	21.3
2006-07	12.9	1.1	0.7	49.5	63.6	78.7	21.3
2007-08	11.8	1.1	0.6	49.7	62.6	78.3	21.7
2008-09	11.3	0.8	0.5	56.3	68.3	81.4	18.6
2009-10	11.2	0.9	0.5	54.0	65.9	79.3	20.7

a Includes exports of wine. **b** Includes paper and paperboard. **c** Tuna captured under joint venture agreements or transhipped at sea are not included.

d Minerals and energy resources. Before 1990-91, includes ABARE estimates for items such as bauxite, manganese and diamonds which were excluded from ABS estimates for confidentiality reasons. From July 1990, ABS estimates contain details for such items. **na** Not available.

Sources: ABS, *Balance of Payments, Australia*, cat. nos. 5302.0 and 5303.0, Canberra; ABARES.

7

Value of Australian exports, by sector ^a

	Rural products ^b \$m	Resource sector products ^c \$m	Other merchandise \$m	Total merchandise ^d \$m	Services ^d \$m	Total goods and services ^d \$m
1974-75	11 154	8 015	16 242	35 411	6 906	43 309
1975-76	13 356	7 635	16 428	37 419	6 574	45 000
1976-77	14 804	8 410	17 212	40 426	6 677	48 214
1977-78	14 974	8 975	17 273	41 222	6 978	49 301
1978-79	14 645	10 106	18 706	43 457	8 200	52 799
1979-80	17 358	9 688	19 803	46 849	8 402	56 531
1980-81	14 963	9 764	18 533	43 260	9 182	53 787
1981-82	15 381	11 252	17 644	44 277	9 412	55 057
1982-83	13 875	12 790	17 882	44 547	9 362	55 343
1983-84	14 627	15 485	18 081	48 193	9 847	59 566
1984-85	17 563	19 582	19 134	56 279	10 672	68 760
1985-86	18 435	20 508	19 352	58 295	11 170	71 354
1986-87	18 985	22 433	22 404	63 822	12 606	78 516
1987-88	18 120	24 944	24 661	67 725	14 968	85 084
1988-89	17 120	24 459	25 607	67 186	16 339	86 093
1989-90	17 140	36 555	17 340	71 035	16 609	90 319
1990-91	18 453	42 457	18 675	79 585	18 114	100 662
1991-92	19 854	46 656	21 241	87 750	18 943	109 798
1992-93	21 318	47 773	23 657	92 748	21 213	117 492
1993-94	23 742	48 333	28 666	100 741	24 330	129 145
1994-95	21 755	49 959	31 666	103 379	27 098	135 100
1995-96	24 726	54 582	35 409	114 718	29 599	148 967
1996-97	28 419	61 263	38 701	128 382	31 471	164 492
1997-98	29 344	67 479	37 100	133 923	32 699	171 153
1998-99	30 916	89 174	15 993	136 082	34 231	174 549
1999-00	33 620	95 355	21 984	150 959	36 632	191 102
2000-01	34 752	99 894	25 556	160 201	42 431	205 425
2001-02	36 012	101 950	23 165	161 127	40 407	203 980
2002-03	30 379	105 030	25 060	160 469	40 235	203 037
2003-04	32 272	102 784	26 720	161 777	41 428	205 388
2004-05	33 992	106 512	26 579	167 083	42 579	211 403
2005-06	34 170	105 591	30 839	170 601	43 977	216 253
2006-07	32 873	110 559	33 335	176 767	47 242	224 872
2007-08	29 972	116 178	36 801	182 951	50 645	233 597
2008-09	34 003	118 205	32 932	185 140	51 181	236 320
2009-10	33 621	123 864	33 269	190 755	49 873	240 628

^a Reference year 2006-07. ^b Before 1989-90, wine and paper and paperboard are excluded. ^c Minerals and energy resources. Before 1990-91, bauxite, diamonds and manganese are excluded. ^d Balance of payments basis.

Sources: ABS, *Balance of Payments, Australia*, cat. nos. 5302.0 and 5303.0, Canberra; ABS, *Balance of Payments, Australia - Historical Series on Microfiche*, cat. no. 5337.0, Canberra; ABARES.

Overview

8 Australian unit export returns

	Rural			Minerals			Total commodities
	Farm	Forest and fisheries products	Total	Energy minerals	Metals and other minerals	Total	
Annual indexes a							
1989-90	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1990-91	84.5	101.2	85.9	111.5	96.6	102.0	96.3
1991-92	87.8	105.0	89.3	103.6	88.1	93.7	92.0
1992-93	90.0	109.6	91.7	109.7	92.1	98.5	96.0
1993-94	90.3	124.9	93.2	100.2	88.6	92.8	92.9
1994-95	100.8	127.2	103.0	94.3	92.3	93.0	96.3
1995-96	106.2	123.7	107.7	101.5	95.3	97.5	100.9
1996-97	95.4	123.5	97.6	103.2	86.9	92.9	94.4
1997-98	102.5	124.1	104.2	106.0	94.8	98.9	100.6
1998-99	93.6	120.7	95.8	96.8	92.4	94.0	94.5
1999-00	90.8	132.1	94.2	110.4	98.3	102.9	99.7
2000-01	109.1	144.5	111.9	141.0	115.1	125.1	120.3
2001-02	118.0	143.4	120.0	140.8	110.4	122.3	121.3
2002-03	115.3	137.7	117.1	135.2	106.4	117.7	117.2
2003-04	105.9	126.6	107.6	120.2	106.1	111.7	110.2
2004-05	104.8	128.4	106.7	166.1	125.4	141.2	129.8
2005-06	104.1	131.5	106.3	226.0	162.1	186.8	160.3
2006-07	109.6	136.0	111.8	206.6	203.4	205.5	174.7
2007-08	121.8	140.7	123.2	235.8	200.6	214.8	184.4
2008-09	122.4	148.3	124.5	398.3	226.0	290.7	238.2
2009-10	108.2	141.3	110.9	259.0	208.4	228.0	190.4
Quarterly indexes b							
2007-08							
September	114.6	111.2	115.0	213.6	211.2	213.4	177.9
December	120.6	109.6	118.2	221.4	207.7	214.2	179.9
March	124.0	112.2	122.7	237.1	216.1	225.4	188.5
June	124.8	109.5	123.2	328.5	234.2	270.9	219.5
2008-09							
September	128.6	118.7	127.6	432.6	249.2	318.8	253.1
December	138.2	125.5	136.5	530.1	272.4	369.9	290.7
March	114.8	117.6	114.8	434.0	251.3	321.1	251.1
June	105.1	104.6	105.4	293.1	205.9	240.7	194.4
2009-10							
September	106.7	112.7	107.4	261.7	200.6	224.7	183.4
December	104.4	108.4	104.2	251.5	198.5	219.4	179.2
March	109.8	108.9	109.4	267.0	220.6	239.1	194.0
June	111.8	114.0	112.4	320.9	279.2	296.2	233.6

a In Australian dollars. Base: 1989-90 = 100. b In Australian dollars. Base 1994-95 = 100.

Source: ABARES.

9

Australian main macroeconomic indicators

	Growth of real gross domestic product %	Interest rates			Consumer price index d
		Short term a %	Long term b %	Inflation c %	
1966-67	6.3	na	na	2.6	15.7
1967-68	5.1	na	na	3.5	16.3
1968-69	7.0	na	na	2.6	16.7
1969-70	7.2	6.7	6.1	3.1	17.2
1970-71	4.0	7.1	6.8	4.5	18.0
1971-72	3.9	6.0	6.2	6.9	19.3
1972-73	2.6	5.1	5.9	6.1	20.4
1973-74	4.1	11.3	8.2	12.9	23.1
1974-75	1.3	10.5	9.5	16.8	26.9
1975-76	2.6	8.6	10.0	12.9	30.4
1976-77	3.5	9.8	10.2	13.9	34.6
1977-78	0.9	10.4	9.6	9.5	37.9
1978-79	4.1	9.6	9.2	8.1	41.0
1979-80	3.0	11.2	10.7	10.2	45.2
1980-81	3.4	13.4	12.6	9.3	49.4
1981-82	3.2	17.0	15.1	10.4	54.6
1982-83	- 2.3	14.0	14.6	11.5	60.9
1983-84	4.6	11.9	13.8	6.9	65.0
1984-85	5.2	13.4	13.4	4.3	67.8
1985-86	4.8	16.8	13.7	8.4	73.5
1986-87	2.1	15.7	13.5	9.3	80.4
1987-88	5.4	11.8	12.5	7.3	86.3
1988-89	4.5	15.7	12.8	7.3	92.6
1989-90	3.0	16.9	13.3	8.0	100.0
1990-91	- 0.3	12.2	12.2	5.3	105.3
1991-92	0.6	8.1	10.0	1.9	107.3
1992-93	4.0	5.6	8.3	1.0	108.4
1993-94	3.8	4.9	7.4	1.8	110.4
1994-95	4.1	7.2	9.9	3.2	113.9
1995-96	4.2	7.5	8.7	4.2	118.7
1996-97	3.9	6.3	7.6	1.3	120.3
1997-98	4.4	5.0	6.0	- 0.0	120.3
1998-99	5.2	4.9	5.5	1.3	121.8
1999-00	4.0	5.6	6.5	2.4	124.7
2000-01	2.0	5.8	5.8	6.0	132.2
2001-02	3.8	4.6	5.9	2.9	136.0
2002-03	3.2	4.8	5.4	3.1	140.2
2003-04	4.1	5.3	5.7	2.4	143.5
2004-05	2.8	5.5	5.4	2.4	147.0
2005-06	3.1	5.7	5.4	3.2	151.7
2006-07	3.8	6.3	5.8	2.9	156.1
2007-08	3.7	7.3	6.2	3.4	161.4
2008-09	1.2	4.8	5.0	3.1	166.4
2009-10	2.3	4.0	5.5	2.3	170.3

a 90 day bank bills, average of daily data. b 10 year Treasury bonds, average of end-of-month data. c Percentage change in the consumer price index.

d 1989-90 = 100. na Not available.

Sources: ABS, Australian National Accounts, National Income, Expenditure and Product, cat. no. 5206.0, Canberra; ABS, Consumer Price Index, cat. no. 6401.0, Canberra; Reserve Bank of Australia, Bulletin, Sydney.

10 Australian trade balance and foreign debt

	Current account balance ^a				Net foreign debt ^c		
	Balance on goods and services		Share of GDP	Terms of trade ^b	Share of		
	Imports \$m	Exports \$m			Level	GDP	
1966-67	3 770	3 496	-659	-1.8	73.8	na	na
1967-68	4 224	3 586	-1 131	-3.3	70.9	na	na
1968-69	4 360	3 909	-980	-2.4	72.7	na	na
1969-70	4 871	4 781	-688	-1.3	74.0	na	na
1970-71	5 214	5 103	-749	-1.3	69.4	na	na
1971-72	5 351	5 704	-293	-0.1	65.0	na	na
1972-73	5 512	7 040	754	2.1	77.4	na	na
1973-74	7 996	7 925	-921	-1.0	83.2	na	na
1974-75	10 510	10 160	-1 195	-1.2	75.7	na	na
1975-76	11 163	11 253	-1 423	-1.2	72.2	3 133	4.0
1976-77	14 106	13 469	-1 996	-2.1	69.9	5 160	5.7
1977-78	15 342	14 295	-2 573	-2.4	63.6	7 434	7.5
1978-79	18 260	16 968	-3 159	-2.6	64.0	9 553	8.5
1979-80	21 444	22 093	-1 591	-1.2	66.4	7 923	6.2
1980-81	25 530	22 682	-5 143	-3.4	65.8	9 361	6.4
1981-82	29 660	23 774	-8 405	-4.8	64.8	18 378	11.0
1982-83	29 667	25 709	-6 178	-3.2	63.8	25 169	14.0
1983-84	32 146	28 970	-7 079	-3.3	65.4	31 850	15.7
1984-85	40 774	35 847	-10 443	-4.4	64.4	53 055	23.6
1985-86	47 181	39 053	-14 538	-5.5	58.3	78 396	31.5
1986-87	49 026	44 294	-11 631	-4.0	55.1	87 971	32.3
1987-88	54 081	51 788	-10 496	-3.2	59.9	98 767	0.0
1988-89	62 556	55 514	-18 401	-5.0	68.5	117 240	30.9
1989-90	69 210	61 048	-23 219	-5.7	68.6	130 620	32.1
1990-91	67 358	66 505	-16 570	-3.9	64.9	142 065	34.1
1991-92	69 653	70 171	-12 805	-3.0	62.9	162 529	38.0
1992-93	79 597	77 301	-14 123	-3.1	60.3	176 875	39.4
1993-94	86 114	83 524	-15 214	-3.2	58.6	170 760	36.2
1994-95	98 352	88 261	-26 388	-5.3	60.4	190 113	38.0
1995-96	101 962	99 800	-19 943	-3.7	62.2	192 989	36.3
1996-97	104 597	106 304	-16 201	-2.9	64.3	207 573	37.1
1997-98	119 870	115 122	-22 349	-3.8	64.2	225 863	38.2
1998-99	128 041	113 674	-32 964	-5.3	61.1	228 614	36.7
1999-00	141 723	128 139	-31 920	-4.8	63.6	270 604	40.8
2000-01	154 397	155 909	-17 269	-2.4	65.4	300 418	42.4
2001-02	155 247	155 855	-18 742	-2.5	66.3	321 861	42.4
2002-03	167 936	151 616	-37 838	-4.7	67.9	353 728	44.0
2003-04	168 767	146 729	-46 022	-5.3	72.8	384 347	44.4
2004-05	190 392	167 101	-57 000	-6.2	80.2	427 725	46.2
2005-06	211 030	195 676	-54 075	-5.4	88.9	494 866	49.4
2006-07	228 711	215 480	-60 541	-5.5	94.8	539 760	49.5
2007-08	258 176	233 597	-73 980	-6.3	100.0	600 441	50.8
2008-09	278 550	284 437	-40 515	-3.2	108.3	624 274	49.7
2009-10	259 969	254 004	-56 103	-4.4	107.2	671 885	53.0

^a Negative sign indicates current account deficit. ^b Ratio of implicit price deflator for exports of goods and services to implicit price deflator for imports of goods and services. Base: 2007–08 =100. ^c As at 30 June. na Not available.

Sources: ABS, *Australian National Accounts, National Income, Expenditure and Product*, cat. no. 5206.0, Canberra; ABS, *Balance of Payments, Australia*, cat. no. 5302.0, Canberra; ABS, *International Investment Position, Australia*, cat. no. 5306.0, Canberra.

11

Average Australian exchange rates with selected countries ^a

	Japan ¥/A\$	United States US\$/A\$	New Zealand NZ\$/A\$	Korea, Rep. of b won/A\$	United Kingdom £/A\$	Euro €/A\$	Trade weighted index c
1964-65	402.18	1.1137	0.805	287.6	0.399	na	na
1965-66	404.03	1.1163	0.805	303.4	0.399	na	na
1966-67	403.88	1.1144	0.805	301.6	0.399	na	na
1967-68	403.87	1.1155	0.912	304.4	0.466	na	na
1968-69	398.92	1.1124	1.000	312.5	0.466	na	na
1969-70	399.88	1.1160	1.000	335.1	0.466	na	na
1970-71	400.22	1.1185	1.000	357.6	0.466	na	99.6
1971-72	371.74	1.1710	1.000	443.9	0.462	na	98.8
1972-73	367.32	1.2835	1.032	513.9	0.524	na	104.4
1973-74	408.19	1.4743	1.034	587.0	0.617	na	115.5
1974-75	404.94	1.3700	1.016	611.2	0.584	na	107.7
1975-76	379.39	1.2613	1.193	610.3	0.633	na	105.3
1976-77	330.52	1.1531	1.193	557.4	0.674	na	96.3
1977-78	273.88	1.1276	1.127	545.9	0.618	na	89.3
1978-79	227.36	1.1365	1.079	550.0	0.568	na	83.2
1979-80	259.57	1.1143	1.132	594.3	0.499	na	83.8
1980-81	248.28	1.1612	1.233	759.7	0.508	na	87.6
1981-82	257.36	1.1048	1.374	776.6	0.601	na	91.0
1982-83	232.66	0.9383	1.333	705.5	0.581	na	81.8
1983-84	211.95	0.9057	1.382	718.7	0.623	na	81.5
1984-85	192.55	0.7741	1.611	643.2	0.634	na	75.5
1985-86	140.21	0.6979	1.291	625.7	0.485	na	62.3
1986-87	100.84	0.6609	1.231	567.4	0.433	na	53.8
1987-88	97.11	0.7262	1.122	565.9	0.415	na	54.8
1988-89	106.55	0.8139	1.302	560.8	0.474	na	61.6
1989-90	112.49	0.7667	1.302	529.4	0.470	na	60.0
1990-91	107.01	0.7824	1.304	564.4	0.422	na	58.9
1991-92	100.45	0.7664	1.380	584.6	0.436	na	55.4
1992-93	82.57	0.6968	1.306	552.9	0.447	na	52.3
1993-94	73.01	0.6889	1.224	568.4	0.460	na	51.4
1994-95	69.96	0.7390	1.169	584.8	0.468	na	52.8
1995-96	77.02	0.7553	1.130	589.5	0.488	na	54.8
1996-97	89.90	0.7801	1.118	666.7	0.483	na	58.7
1997-98	85.56	0.6797	1.142	850.8	0.412	na	58.3
1998-99	77.55	0.6257	1.181	784.1	0.381	0.591	56.0
1999-00	67.88	0.6295	1.248	726.1	0.395	0.628	55.2
2000-01	61.42	0.5391	1.266	653.2	0.371	0.604	50.3
2001-02	65.90	0.5238	1.215	677.2	0.363	0.585	50.6
2002-03	69.75	0.5838	1.121	705.2	0.368	0.558	53.4
2003-04	78.56	0.7113	1.130	841.0	0.409	0.597	61.4
2004-05	80.14	0.7513	1.077	807.4	0.404	0.590	62.7
2005-06	85.45	0.7457	1.113	753.7	0.418	0.610	63.3
2006-07	92.72	0.7840	1.144	749.2	0.405	0.599	64.8
2007-08	98.58	0.8958	1.165	858.6	0.447	0.608	69.7
2008-09	74.58	0.7494	1.228	945.4	0.462	0.541	60.4
2009-10	80.76	0.8831	1.250	1 042.2	0.558	0.634	68.9

^a Period average. ^b Average of end-of-month data. ^c Base: May 1970 =100. Period average. na Not available.Sources: ABS, *Average Monthly Exchange Rates*, cat. no. 5654.0, Canberra; Reserve Bank of Australia, *Bulletin*, Sydney.

Macroeconomic indicators

12 Exchange rates of selected countries ^a

	Australia A\$/US\$	Japan ¥/US\$	Euro €/US\$	United Kingdom £/US\$	Real effective exchange rates ^b		
					United States	United States	Japan
1965	0.8961	360.00	na	0.3568	na	na	na
1966	0.8971	360.00	na	0.3584	na	na	na
1967	0.8972	360.00	na	0.4156	na	na	na
1968	0.8971	360.00	na	0.4194	na	na	na
1969	0.8986	360.00	na	0.4165	na	na	na
1970	0.8965	360.00	na	0.4178	na	na	na
1971	0.8789	347.79	na	0.4091	na	na	na
1972	0.8389	303.13	na	0.3995	na	na	na
1973	0.7027	271.31	na	0.4077	na	na	na
1974	0.6938	291.84	na	0.4273	na	na	na
1975	0.7636	296.78	na	0.4501	117.6	88.0	80.1
1976	0.8163	296.45	na	0.5541	120.6	87.1	81.1
1977	0.9016	268.62	na	0.5731	118.6	93.3	85.3
1978	0.8736	210.39	na	0.5213	103.8	76.8	76.5
1979	0.8945	219.02	na	0.4712	102.5	67.7	77.8
1980	0.8772	226.63	na	0.4302	104.3	60.6	76.5
1981	0.8702	220.63	na	0.4940	115.2	65.2	69.4
1982	0.9842	249.06	na	0.5721	127.6	57.6	70.5
1983	1.1094	237.55	na	0.6597	129.3	61.4	72.9
1984	1.1384	237.46	na	0.7481	136.4	62.8	71.8
1985	1.4298	238.47	na	0.7708	141.5	62.3	72.8
1986	1.4972	168.35	na	0.6813	117.0	78.4	81.5
1987	1.4316	144.60	na	0.6098	102.3	82.3	88.4
1988	1.2799	128.17	na	0.5614	96.4	87.5	89.5
1989	1.2663	138.07	na	0.6104	97.4	83.7	89.3
1990	1.2842	145.00	na	0.5605	89.7	75.4	96.3
1991	1.2884	134.59	na	0.5658	87.1	80.9	95.5
1992	1.4189	126.78	na	0.5662	85.3	83.4	100.3
1993	1.4739	111.08	na	0.6660	88.4	99.4	106.6
1994	1.3729	102.18	na	0.6528	86.7	105.5	110.3
1995	1.3555	93.96	na	0.6335	80.0	110.6	119.7
1996	1.2828	108.78	na	0.6407	81.8	94.2	118.6
1997	1.3485	121.06	na	0.6106	86.3	89.7	111.2
1998	1.5935	130.99	na	0.6034	91.6	83.6	108.8
1999	1.5507	113.73	0.939	0.6184	90.6	94.4	106.4
2000	1.7178	107.80	1.083	0.6598	100.0	100.0	100.0
2001	1.9285	121.57	1.117	0.6946	103.6	89.3	100.0
2002	1.8388	125.22	1.058	0.6656	105.2	79.8	99.1
2003	1.5347	115.94	0.883	0.6117	94.8	76.9	101.9
2004	1.3607	108.15	0.804	0.5456	85.4	77.4	100.2
2005	1.3138	110.11	0.803	0.5493	83.8	74.8	98.2
2006	1.3309	116.31	0.796	0.5425	82.1	69.3	97.1
2007	1.1934	117.76	0.729	0.4995	78.6	63.7	97.2
2008	1.1737	103.39	0.679	0.5392	74.3	na	na
2009	1.2589	93.68	0.718	0.6385	na	na	na

^a Period average. ^b The nominal exchange rate, trade weighted against 44 world currencies, adjusted for relative wholesale prices. Base: 2000 = 100.

na Not available.

Sources: ABS, *Average Monthly Exchange Rates*, cat. no. 5654.0, Canberra; International Monetary Fund, *International Financial Statistics Yearbook*, Washington DC; International Monetary Fund, *International Financial Statistics*.

13 Growth of real gross domestic product in selected countries

	Australia %	United States %	European Union %	Japan %	OECD ^a %	China ^b %	Korea, Rep. of %
1965	5.0	6.4	4.2	- 5.1	5.3	16.9	5.7
1966	2.7	6.5	4.1	10.4	5.5	17.0	12.2
1967	7.4	2.5	3.4	10.4	3.7	- 7.2	5.9
1968	5.2	4.8	5.2	12.5	5.4	- 6.5	11.3
1969	6.8	3.1	6.0	12.1	5.1	19.3	13.8
1970	6.7	0.2	5.1	9.4	3.5	23.3	8.8
1971	3.8	3.4	3.3	4.3	3.3	7.0	9.2
1972	1.9	5.3	4.5	8.4	5.2	2.9	5.9
1973	5.1	5.8	5.8	7.9	5.8	8.3	14.4
1974	1.4	- 0.5	2.1	- 1.2	0.8	1.1	7.9
1975	1.9	- 0.2	- 0.5	2.6	- 0.1	8.3	7.1
1976	4.4	5.3	4.5	4.8	4.7	- 2.7	12.8
1977	1.2	4.6	2.7	5.3	3.8	7.8	10.1
1978	2.3	5.6	3.0	5.1	3.9	12.3	9.7
1979	4.2	3.2	3.4	5.2	3.7	7.6	7.6
1980	2.9	- 0.3	1.3	3.2	0.9	7.9	- 1.9
1981	4.1	2.5	0.3	4.2	2.0	5.2	7.4
1982	0.1	- 1.9	0.9	3.4	0.2	9.1	8.3
1983	- 0.5	4.5	1.8	3.1	3.1	10.9	12.2
1984	6.4	7.2	2.5	4.5	4.9	15.2	9.9
1985	5.7	4.1	2.5	6.3	3.9	13.5	7.5
1986	2.1	3.5	2.7	2.8	3.3	8.8	12.2
1987	4.4	3.2	2.8	4.1	3.6	11.6	12.3
1988	4.7	4.1	4.2	7.1	4.7	11.3	11.7
1989	4.2	3.6	3.6	5.4	4.0	4.1	6.8
1990	1.3	1.9	3.1	5.6	3.1	3.8	9.3
1991	- 0.9	- 0.2	1.8	3.3	1.5	9.2	9.7
1992	2.7	3.4	1.2	0.8	2.2	14.2	5.8
1993	3.8	2.9	- 0.3	0.2	1.5	14.0	6.3
1994	4.8	4.1	2.8	0.9	3.4	13.1	8.8
1995	3.4	2.5	2.5	1.9	2.8	10.9	8.9
1996	4.3	3.7	1.8	2.6	3.0	10.0	7.2
1997	4.0	4.5	2.7	1.6	3.5	9.3	5.8
1998	5.1	4.4	3.0	- 2.0	2.6	7.8	- 5.7
1999	4.2	4.8	3.1	- 0.1	3.7	7.6	10.7
2000	3.3	4.1	3.9	2.9	4.2	8.4	8.8
2001	2.6	1.1	2.0	0.2	1.4	8.3	4.0
2002	3.9	1.8	1.2	0.3	1.7	9.1	7.2
2003	3.2	2.5	1.3	1.4	1.9	10.1	2.8
2004	3.6	3.6	2.5	2.7	3.2	10.1	4.6
2005	3.2	3.1	2.0	1.9	2.7	11.3	4.0
2006	2.6	2.7	3.2	2.0	3.0	12.7	5.2
2007	4.8	1.9	3.0	2.4	2.7	14.2	5.1
2008	2.2	0.0	0.5	- 1.2	0.2	9.6	2.3
2009	1.2	- 2.6	- 4.2	- 5.2	- 3.2	9.1	0.2

^a Regarded as 19 countries for all years. ^b Gross national product. Excludes Hong Kong.

Sources: ABS, Australian National Accounts, National Income, Expenditure and Product, cat. no. 5206.0, Canberra; Asian Development Bank, Key Indicators of Developing Asian and Pacific Countries, Manila; OECD, Main Economic Indicators, Paris; International Monetary Fund, International Financial Statistics Yearbook, Washington DC.

Macroeconomic indicators

14 Growth of industrial production in selected countries

	Australia %	United States %	Japan %	Germany ^a %	United Kingdom %	OECD %	China %	Korea, Rep. of %
1965	4.7	10.0	3.8	5.5	3.0	6.6	27.8	8.3
1966	1.7	8.8	13.2	1.7	1.2	7.1	24.9	23.1
1967	5.6	2.1	19.4	- 2.1	- 0.7	3.7	- 15.7	26.2
1968	5.7	5.6	15.4	12.3	5.1	6.8	- 9.0	31.7
1969	6.6	4.6	16.0	13.1	3.4	8.1	35.9	19.5
1970	4.6	- 3.3	13.8	6.5	0.5	3.1	38.5	11.9
1971	3.9	1.4	2.6	0.9	- 0.6	2.0	13.4	15.2
1972	1.2	7.3	7.2	3.7	1.8	7.1	6.5	14.6
1973	10.2	8.2	15.0	6.4	9.0	9.2	8.7	33.6
1974	3.1	- 0.4	- 4.0	- 1.7	- 2.0	- 0.3	- 0.4	27.4
1975	- 7.6	- 8.9	- 11.0	- 6.2	- 5.4	- 8.1	15.0	19.0
1976	5.1	7.8	11.1	6.7	3.2	8.3	- 3.8	29.8
1977	- 1.6	7.7	4.1	2.6	5.2	4.7	14.8	19.9
1978	1.5	5.5	6.3	- 1.9	2.8	4.1	17.1	22.9
1979	5.2	3.0	7.4	5.0	2.1	4.8	8.1	11.7
1980	0.6	- 2.6	4.7	- 0.0	- 6.9	0.2	10.9	- 1.8
1981	3.0	1.3	1.0	- 1.8	- 4.1	0.5	1.7	12.7
1982	- 0.5	- 5.1	0.3	- 3.3	0.3	- 2.5	6.0	5.0
1983	- 2.9	2.6	3.0	0.7	2.6	1.8	9.9	15.8
1984	6.9	9.1	9.5	3.0	0.6	6.5	14.9	15.0
1985	8.0	1.3	3.7	4.8	5.1	3.0	19.6	4.4
1986	- 0.2	1.0	- 0.2	1.8	2.2	0.9	9.6	20.9
1987	4.8	5.0	3.4	0.4	4.1	3.7	13.0	19.2
1988	5.5	5.0	9.6	3.6	5.2	5.4	17.4	13.3
1989	4.6	0.9	5.9	4.9	2.1	3.3	6.0	3.2
1990	2.4	0.9	4.0	5.2	0.0	1.6	5.5	8.9
1991	- 3.6	- 1.5	1.7	3.5	- 3.3	- 0.4	12.8	9.6
1992	- 0.0	2.8	- 6.1	- 2.4	0.4	- 0.3	21.2	5.9
1993	2.9	3.3	- 3.9	- 7.9	2.2	- 0.5	21.9	4.4
1994	5.0	5.4	1.0	3.2	5.3	4.6	21.4	11.1
1995	1.2	4.9	2.2	0.8	1.8	3.4	16.1	11.9
1996	3.7	4.3	2.3	0.2	1.4	2.5	15.1	8.6
1997	2.0	7.2	3.5	3.1	1.4	4.8	13.2	4.9
1998	3.0	5.8	- 6.5	3.7	0.2	1.8	9.6	- 6.4
1999	3.3	4.3	0.3	1.2	2.2	3.0	9.8	24.5
2000	5.1	4.0	5.5	5.1	1.7	5.0	11.2	16.8
2001	1.4	- 3.3	- 6.3	0.3	- 1.4	- 2.8	9.9	0.5
2002	3.2	0.2	- 1.1	- 1.1	- 1.7	- 0.1	12.7	8.0
2003	0.3	1.3	3.2	0.2	- 0.6	1.3	16.7	5.6
2004	0.2	2.3	4.8	3.1	1.3	2.9	16.3	10.3
2005	1.1	3.2	1.4	3.9	- 1.7	2.1	15.9	6.4
2006	0.5	2.2	4.4	6.1	0.2	3.1	15.4	8.4
2007	1.4	2.7	2.8	6.9	0.3	2.9	18.5	6.9
2008	1.8	- 3.3	- 3.3	0.2	- 2.9	- 2.4	12.9	3.4
2009	- 10.0	- 9.3	- 21.3	- 17.3	- 10.4	- 13.1	11.0	- 0.8

^a West Germany until 1990; unified Germany from 1991. ^{na} Not available.

Sources: ABS, *Quarterly Index of Industrial Production*, cat. no. 8125.0, Canberra; International Monetary Fund, *International Financial Statistics Yearbook*, Washington DC; OECD, *Main Economic Indicators*, Paris.

15 Inflation and interest rates in selected countries

	Inflation rates a			Interest rates b			
	United States		Total	United States		Japan	
	United States	Japan	Euro Area c	Short term	Long term	Short term	Long term
	%	%	%	%	%	%	%
1965	1.6	6.6	3.3	3.9	4.3	na	na
1966	2.9	5.1	3.2	4.9	4.9	na	6.9
1967	3.1	4.0	3.1	4.3	5.1	na	6.9
1968	4.2	5.4	4.2	5.3	5.6	na	7.0
1969	5.5	5.2	4.7	6.7	6.7	na	7.1
1970	5.7	7.7	5.6	6.4	7.3	na	7.2
1971	4.4	6.4	5.3	4.3	6.2	na	7.3
1972	3.2	4.8	5.0	4.1	6.2	na	6.7
1973	6.2	11.6	7.8	7.0	6.8	na	7.3
1974	11.0	23.2	13.9	7.9	7.6	na	9.3
1975	9.1	11.8	11.4	5.8	8.0	na	9.2
1976	5.8	9.3	9.0	5.0	7.6	na	8.7
1977	6.5	8.2	10.1	5.3	7.4	na	7.3
1978	7.6	4.2	8.7	7.2	8.4	na	6.1
1979	11.3	3.7	11.1	10.0	9.4	8.1	7.7
1980	13.5	7.8	14.5	11.6	11.5	10.9	9.2
1981	10.3	4.9	11.3	14.1	13.9	7.6	8.7
1982	6.2	2.7	9.6	10.7	13.0	7.0	8.1
1983	3.2	1.9	8.7	8.6	11.1	6.7	7.4
1984	4.3	2.3	7.8	9.6	12.4	6.5	6.8
1985	3.6	2.0	4.9	7.5	10.6	6.6	6.3
1986	1.9	0.6	2.4	6.0	7.7	5.1	4.9
1987	3.6	0.1	2.4	5.8	8.4	4.2	4.2
1988	4.1	0.6	2.7	6.7	8.8	4.5	4.3
1989	4.8	2.2	4.0	8.1	8.5	5.4	5.1
1990	5.4	3.1	4.6	7.5	8.6	7.7	7.4
1991	4.2	3.4	5.0	5.4	7.9	7.4	6.5
1992	3.0	1.6	3.6	3.5	7.0	4.4	4.9
1993	3.0	1.3	3.3	3.0	5.9	2.4	3.7
1994	2.6	0.6	2.7	4.3	7.1	2.2	3.7
1995	2.8	- 0.1	2.4	5.5	6.6	1.2	2.5
1996	3.0	0.1	2.2	5.0	6.4	0.6	2.2
1997	2.3	1.9	1.6	5.1	6.4	0.6	1.7
1998	1.6	0.6	1.1	4.8	5.3	0.7	1.1
1999	2.2	- 0.3	1.1	4.7	5.6	0.2	1.8
2000	3.4	- 0.7	2.2	5.8	6.0	0.2	1.7
2001	2.8	- 0.8	2.4	3.5	5.0	0.0	1.3
2002	1.6	- 0.9	2.3	1.6	4.6	0.0	1.3
2003	2.3	- 0.2	2.1	1.0	4.0	0.0	1.0
2004	2.7	- 0.0	2.2	1.4	4.3	0.0	1.5
2005	3.4	- 0.3	2.2	3.2	4.3	0.0	1.4
2006	3.2	0.2	2.2	4.7	4.8	0.4	1.7
2007	2.8	0.1	2.1	4.4	4.6	0.6	1.7
2008	3.8	1.4	3.3	1.5	3.7	0.4	1.4
2009	- 0.4	- 1.4	0.3	0.2	3.3	0.1	1.3

a Percentage change in consumer price indexes. b Period average: United States – 3 month Treasury bill rate and 10 year government bond yield; Japan – 3 month certificate of deposit rate and average government bond yield. c Prior to 1985 based on total OECD statistical definition. Post 1985 based on Euro area statistical definition. na Not available.

Sources: International Monetary Fund, *International Financial Statistics Yearbook*, Washington DC; OECD, *Main Economic Indicators*, Paris.

Macroeconomic indicators

16 Population in selected countries and regions ^a

	Australia million	United States million	European Union million	Japan million	China million	Other East Asia ^c million	India million	World million
1965	11.5	199.4	390.4	98.9	729.2	211.0	493.9	3 292.0
1966	11.8	201.7	393.3	99.9	747.8	216.4	504.3	3 358.8
1967	12.0	203.9	395.9	100.9	767.7	222.0	515.1	3 427.3
1968	12.3	206.0	398.3	101.9	788.5	227.6	526.1	3 497.4
1969	12.5	208.1	400.6	103.1	809.7	233.3	537.6	3 568.7
1970	12.7	210.1	402.9	104.3	830.7	239.2	549.3	3 641.0
1971	12.9	212.1	405.2	105.7	851.4	245.1	561.4	3 714.2
1972	13.1	214.1	407.5	107.2	871.8	251.1	573.9	3 788.3
1973	13.3	216.1	409.7	108.7	891.6	257.2	586.8	3 862.7
1974	13.4	218.1	411.8	110.2	910.3	263.3	600.0	3 937.1
1975	13.6	220.2	413.8	111.5	927.8	269.4	613.8	4 011.0
1976	13.8	222.2	415.7	112.8	943.9	275.5	627.9	4 084.3
1977	14.0	224.3	417.5	113.9	958.6	281.7	642.6	4 157.1
1978	14.2	226.5	419.2	114.9	972.4	287.9	657.6	4 229.9
1979	14.4	228.7	420.7	115.9	985.7	294.1	672.9	4 303.8
1980	14.6	230.9	422.1	116.8	998.9	300.3	688.6	4 379.1
1981	15.1	233.2	423.3	117.7	1 012.0	306.6	704.5	4 456.1
1982	15.3	235.6	424.3	118.6	1 025.0	312.9	720.7	4 534.5
1983	15.5	238.1	425.2	119.4	1 038.2	319.2	737.3	4 614.5
1984	15.7	240.6	426.2	120.1	1 052.1	325.4	754.1	4 696.2
1985	15.9	243.1	427.3	120.8	1 066.9	331.7	771.1	4 779.7
1986	16.1	245.6	428.4	121.5	1 082.8	337.9	788.4	4 865.0
1987	16.4	248.2	429.7	122.1	1 099.5	344.0	806.0	4 952.0
1988	16.7	250.8	431.0	122.6	1 116.7	350.2	823.8	5 039.7
1989	16.9	253.4	432.5	123.1	1 133.4	356.3	841.9	5 127.1
1990	17.2	256.1	434.0	123.5	1 149.1	362.4	860.2	5 213.5
1991	17.4	258.9	435.6	124.0	1 163.6	368.4	878.8	5 289.1
1992	17.6	261.7	437.3	124.4	1 177.0	374.5	897.6	5 379.9
1993	17.8	264.5	439.0	124.8	1 189.6	380.5	916.5	5 464.2
1994	18.0	267.4	440.5	125.1	1 201.7	386.6	935.5	5 545.8
1995	18.2	270.2	441.8	125.5	1 213.7	392.6	954.3	5 627.1
1996	18.4	273.1	442.9	125.8	1 225.7	398.6	973.0	5 707.9
1997	18.6	276.0	443.7	126.2	1 237.4	404.7	991.5	5 788.2
1998	18.8	279.0	444.5	126.5	1 248.9	410.7	1 009.9	5 867.9
1999	19.0	281.9	445.4	126.8	1 259.7	416.7	1 028.2	5 946.9
2000	19.3	282.2	465.9	126.9	1 267.4	441.7	1 016.0	6 113.8
2001	19.5	285.0	469.2	127.3	1 276.3	447.6	1 035.0	6 193.2
2002	19.8	287.7	471.9	127.4	1 284.5	453.5	1 051.0	6 272.6
2003	20.0	290.2	473.4	127.6	1 292.3	459.4	1 068.0	6 351.9
2004	20.3	292.9	475.1	127.7	1 299.9	465.3	1 085.0	6 431.2
2005	20.5	295.6	478.1	127.8	1 307.6	471.2	1 101.0	6 510.4
2006	20.7	298.4	484.1	127.8	1 314.5	477.1	1 118.0	6 589.7
2007	21.0	301.3	486.1 ^b	127.8	1 321.3	483.1	1 134.0	6 669.0
2008	21.3	304.1	488.3 ^b	127.7	1 328.0	489.4	1 150.0	6 748.4
2009	22.2	na	na	127.6	1 334.7	495.6	1 165.9	6 827.8

^a Midyear. ^b Regarded as 27 countries. ^c Chinese Taipei, Indonesia, Malaysia, the Philippines, Republic of Korea, Singapore, Thailand.

Sources: ABS, *Estimated Resident Population by Sex and Age: States and Territories of Australia*, cat. no. 3201.0, Canberra; Asian Development Bank, *Key Indicators of Developing Asian and Pacific Countries*, Manila; International Monetary Fund, *International Financial Statistics Yearbook*, Washington DC; OECD, *Main Economic Indicators*, Paris; United Nations, *World Population Prospects*, New York.

17 Australian farm returns, costs and prices

	Gross value of farm production	Farm costs	Net value of farm production	Index of real net value of farm production ^a	Index of prices received ^b	Index of prices paid ^b	Farmers' terms of trade ^{bc}	Consumer price index ^d
	\$m	\$m	\$m					
1969-70	3 732	2 668	1 064	194.4	25.4	13.5	188.4	9.8
1970-71	3 569	2 713	856	149.7	23.9	13.9	171.6	10.3
1971-72	3 971	2 793	1 178	192.5	26.0	14.9	175.3	11.0
1972-73	4 962	3 103	1 859	286.4	35.6	16.2	219.9	11.7
1973-74	6 412	3 594	2 818	384.6	43.1	18.4	234.3	13.2
1974-75	5 874	4 196	1 678	196.0	36.9	23.4	158.0	15.4
1975-76	6 170	4 832	1 338	138.5	39.0	27.0	144.3	17.3
1976-77	6 755	5 278	1 477	134.2	42.5	30.1	141.1	19.8
1977-78	6 984	5 742	1 242	103.0	44.5	33.3	133.8	21.6
1978-79	10 204	6 629	3 575	274.3	54.0	35.5	152.1	23.4
1979-80	11 764	7 761	4 003	278.7	64.3	39.5	162.7	25.8
1980-81	11 580	8 739	2 841	180.9	68.4	44.9	152.2	28.2
1981-82	12 704	10 205	2 499	144.1	67.7	49.9	135.7	31.1
1982-83	11 714	11 403	311	16.1	71.1	55.3	128.6	34.7
1983-84	15 425	12 255	3 170	153.4	74.6	59.8	124.8	37.1
1984-85	15 443	12 896	2 547	118.2	76.6	63.4	121.0	38.7
1985-86	15 407	14 051	1 356	58.0	76.6	68.3	112.2	41.9
1986-87	16 928	15 386	1 542	60.4	82.8	74.2	111.5	45.8
1987-88	19 962	16 727	3 235	118.0	99.5	77.4	128.5	49.2
1988-89	22 863	18 330	4 533	154.0	112.4	84.4	133.2	52.8
1989-90	23 585	20 008	3 577	112.5	109.3	90.1	121.3	57.1
1990-91	21 214	20 168	1 046	31.3	93.6	90.9	102.9	60.1
1991-92	21 168	19 392	1 776	52.1	94.5	90.8	104.1	61.2
1992-93	22 709	19 340	3 370	97.8	93.7	89.5	104.7	61.8
1993-94	24 516	20 187	4 329	123.4	97.4	91.1	106.8	63.0
1994-95	24 035	21 708	2 327	64.3	112.0	95.0	118.0	65.0
1995-96	27 785	22 913	4 872	129.1	111.2	99.5	111.8	67.7
1996-97	28 718	23 910	4 808	125.8	101.6	99.4	102.2	68.6
1997-98	28 820	23 885	4 935	129.1	100.0	100.0	100.0	68.6
1998-99	29 159	24 511	4 648	120.0	96.1	100.6	95.6	69.5
1999-00	30 775	25 223	5 552	140.1	96.3	104.7	92.0	71.2
2000-01	34 779	26 657	8 123	193.4	108.5	110.1	98.5	75.4
2001-02	39 906	27 258	12 648	292.7	122.6	112.9	108.6	77.6
2002-03	33 235	27 766	5 469	122.8	122.8	121.5	101.1	80.0
2003-04	37 354	28 991	8 363	183.4	117.2	123.0	95.3	81.8
2004-05	36 546	29 243	7 303	156.4	116.4	126.3	92.2	83.8
2005-06	38 689	31 339	7 349	152.2	118.1	129.4	91.3	86.5
2006-07	36 710	31 443	5 268	105.0	129.9	135.9	95.6	89.0
2007-08	43 567	37 137	6 431	128.1	141.8	155.1	91.4	92.1
2008-09	42 111	36 409	5 701	105.4	131.5	148.9	88.3	95.0
2009-10	41 029	34 798	6 231	114.3	129.5	141.6	91.5	97.2

^a Obtained by deflating the net value of farm production by the consumer price index. ^b ABARE revised the method for calculating farm price and production indexes in October 1999. The indexes for the different groups of farm commodities are now calculated on a chained weight basis using Fisher's ideal index with a reference year of 1997-98 = 100. ^c Ratio of index of prices received by farmers to index of prices paid by farmers. ^d Base year 2010-11 = 100. ^{na} Not available.

Sources: ABS, Australian National Accounts, National Income and Expenditure, cat. no. 5206.0, Canberra; ABS, Consumer Price Index, cat. no. 6401.0, Canberra; ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Value of Agricultural Commodities Produced, Australia, cat. no. 7503.0, Canberra; ABARES.

18 Volume of Australian farm production

	Crops			Livestock			Total farm index
	Grains and oilseeds	Other crops	Total crops	Livestock slaughterings	Livestock products	Total livestock	
	index	index	index	index	index	index	
1965-66	25.8	29.7	27.1	45.1	84.2	61.0	41.9
1966-67	44.9	35.0	38.2	43.7	88.5	62.8	49.3
1967-68	26.2	31.6	28.4	45.8	88.1	64.2	43.6
1968-69	50.4	40.7	42.2	48.0	93.1	69.1	52.5
1969-70	38.8	36.7	36.4	51.9	98.0	74.0	51.2
1970-71	35.9	37.1	35.2	55.0	95.7	75.1	50.8
1971-72	39.7	39.8	38.4	60.1	94.8	78.0	53.9
1972-73	28.9	39.1	33.1	66.8	83.8	76.9	50.6
1973-74	46.0	34.8	39.5	65.5	80.4	74.5	53.2
1974-75	44.3	35.8	39.1	61.4	86.0	75.3	53.3
1975-76	48.4	34.9	40.6	74.0	82.6	79.4	55.8
1976-77	46.6	37.4	41.1	79.2	76.3	78.4	56.0
1977-78	39.2	40.8	39.4	86.8	74.5	81.0	55.8
1978-79	71.2	41.1	54.9	82.9	76.5	79.9	64.8
1979-80	63.6	41.9	51.6	72.5	76.8	73.9	60.1
1980-81	46.7	44.0	44.4	70.3	73.7	71.3	55.2
1981-82	66.2	48.6	56.1	73.6	75.0	73.7	62.9
1982-83	37.2	48.8	41.6	74.3	75.4	74.2	54.8
1983-84	88.6	53.7	69.6	69.0	79.5	73.4	70.3
1984-85	80.5	55.7	66.6	68.9	85.5	76.1	69.8
1985-86	71.7	59.4	64.0	72.4	87.0	78.6	69.5
1986-87	70.3	58.8	63.0	77.1	92.3	83.5	71.3
1987-88	60.5	63.8	61.2	79.7	94.0	85.6	71.4
1988-89	65.0	62.1	62.4	76.2	97.4	85.9	72.3
1989-90	65.3	65.1	64.2	82.5	108.1	94.3	77.2
1990-91	67.9	73.4	70.0	84.7	106.5	94.7	80.3
1991-92	61.7	78.1	69.9	87.7	95.5	91.2	78.6
1992-93	77.1	78.9	77.3	89.4	98.6	93.6	83.7
1993-94	85.4	80.4	81.7	91.3	99.9	95.2	87.0
1994-95	51.1	73.6	62.8	92.1	94.2	93.1	75.7
1995-96	89.7	82.0	85.2	91.4	94.5	92.9	88.6
1996-97	115.0	88.4	100.1	94.9	98.3	96.5	98.7
1997-98	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1998-99	115.6	102.9	108.2	102.9	104.3	103.5	106.1
1999-00	126.8	109.2	116.5	104.9	107.1	105.9	111.7
2000-01	118.0	104.0	109.8	110.7	104.5	108.3	109.2
2001-02	130.1	104.5	115.5	108.0	104.4	106.6	111.4
2002-03	59.2	96.6	78.0	109.8	94.7	103.8	90.6
2003-04	138.7	103.2	117.1	104.4	91.7	99.4	108.6
2004-05	113.2	110.2	110.5	109.3	92.9	102.9	107.3
2005-06	133.1	110.4	118.7	108.5	93.0	102.4	110.9
2006-07	58.2	104.7	84.5	115.5	88.8	105.2	95.0
2007-08	88.2	114.4	104.5	113.8	84.7	102.5	104.3
2008-09	115.7	104.4	113.9	113.0	83.1	101.3	108.6
2009-10	114.8	106.2	114.5	111.0	79.0	98.4	107.4

Note: ABARE revised the method for calculating farm production indexes in October 1999. The indexes for the different groups of farm commodities are now calculated on a chained weight basis using Fishers' ideal index with a reference year of 1997-98 = 100.

Sources: ABS, Australian National Accounts, National Income and Expenditure, cat. no. 5206.0, Canberra; ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Value of Agricultural Commodities Produced, Australia, cat. no. 7503.0, Canberra; ABARES.

19 Gross value of Australian farm production

	Crops			Livestock			Total farm \$m
	Grains and oilseeds \$m	Other crops \$m	Total crops \$m	Livestock slaughterings \$m	Livestock products \$m	Total livestock \$m	
1964-65	662	656	1 319	806	1 324	2 131	3 450
1965-66	525	657	1 181	834	1 301	2 135	3 316
1966-67	897	742	1 639	858	1 327	2 185	3 825
1967-68	557	712	1 269	883	1 190	2 073	3 342
1968-69	906	811	1 717	894	1 336	2 230	3 947
1969-70	703	750	1 454	1 010	1 269	2 279	3 732
1970-71	682	795	1 477	1 013	1 079	2 092	3 569
1971-72	746	852	1 598	1 137	1 236	2 373	3 971
1972-73	614	968	1 582	1 547	1 832	3 380	4 962
1973-74	1 770	1 089	2 859	1 696	1 857	3 553	6 412
1974-75	1 772	1 432	3 204	1 019	1 651	2 670	5 874
1975-76	1 859	1 389	3 247	1 246	1 676	2 923	6 170
1976-77	1 651	1 538	3 189	1 685	1 881	3 566	6 755
1977-78	1 455	1 592	3 047	1 967	1 970	3 937	6 984
1978-79	3 093	1 815	4 908	3 082	2 215	5 296	10 204
1979-80	3 366	2 175	5 541	3 659	2 565	6 223	11 764
1980-81	2 666	2 641	5 307	3 474	2 799	6 274	11 580
1981-82	3 652	2 660	6 312	3 296	3 096	6 392	12 704
1982-83	2 334	2 682	5 017	3 452	3 246	6 698	11 714
1983-84	5 188	3 239	8 426	3 509	3 490	6 998	15 425
1984-85	4 785	3 083	7 867	3 783	3 793	7 576	15 443
1985-86	4 074	3 278	7 352	3 929	4 125	8 054	15 407
1986-87	3 697	3 683	7 379	4 633	4 916	9 548	16 928
1987-88	3 520	4 119	7 639	5 077	7 247	12 324	19 962
1988-89	4 685	4 959	9 643	5 308	7 911	13 219	22 863
1989-90	4 462	5 414	9 876	5 902	7 807	13 709	23 585
1990-91	3 467	5 654	9 121	5 739	6 354	12 093	21 214
1991-92	4 021	6 143	10 164	5 751	5 253	11 004	21 168
1992-93	4 621	6 836	11 457	6 046	5 207	11 252	22 709
1993-94	5 157	7 317	12 474	6 874	5 167	12 041	24 516
1994-95	3 997	7 362	11 359	6 680	5 995	12 676	24 035
1995-96	7 470	8 177	15 647	6 431	5 707	12 138	27 785
1996-97	8 133	8 455	16 588	6 376	5 754	12 130	28 718
1997-98	6 715	9 155	15 870	6 992	5 958	12 950	28 820
1998-99	7 134	9 357	16 491	7 256	5 412	12 667	29 159
1999-00	8 082	9 269	17 351	7 944	5 481	13 425	30 775
2000-01	8 701	10 358	19 059	9 738	5 983	15 721	34 779
2001-02	10 875	10 738	21 613	11 434	6 859	18 293	39 906
2002-03	5 449	10 605	16 054	10 676	6 505	17 181	33 235
2003-04	9 837	10 984	20 821	10 896	5 637	16 533	37 354
2004-05	7 364	11 362	18 726	12 033	5 788	17 820	36 546
2005-06	8 836	12 058	20 893	11 960	5 836	17 796	38 689
2006-07	5 138	13 321	18 459	12 335	5 917	18 252	36 710
2007-08	10 619	13 434	24 052	12 103	7 412	19 515	43 567
2008-09	10 773	12 063	22 835	12 983	6 293	19 275	42 111
2009-10	9 184	12 796	21 980	13 052	5 997	19 049	41 029

Sources: ABS, Australian National Accounts, National Income and Expenditure, cat. no. 5206.0, Canberra; ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Value of Agricultural Commodities Produced, Australia, cat. no. 7503.0, Canberra; ABARES.

20 Value of Australian agricultural exports (fob)

	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Grains and oilseeds								
Wheat (including flour)	3 109	3 475	3 488	3 296	2 765	2 990	5 028	3 686
Barley (including malt)	955	1 239	1 275	1 108	833	1 496	1 321	1 098
Oats	44	38	36	47	20	37	64	53
Sorghum	17	61	96	33	13	76	405	116
Rice	371	145	173	171	347	71	31	78
Lupins	57	148	89	99	38	31	61	117
Peas ^a	43	56	33	43	80	61	62	62
Chickpeas	52	71	65	106	168	139	275	252
Canola	289	453	397	331	108	303	595	583
Cottonseed	82	62	55	53	31	8	19	46
Other oilseeds ^b	21	26	33	21	22	27	27	24
Total	5 040	5 773	5 739	5 308	4 426	5 240	7 890	6 115
Industrial crops								
Raw cotton ^c	1 153	982	771	1 137	823	466	500	755
Sugar	1 220	982	1 098	1 454	1 510	1 006	1 338	1 770
Wine	2 386	2 545	2 748	2 799	2 990	2 683	2 428	2 172
Total	4 759	4 509	4 617	5 391	5 323	4 155	4 266	4 697
Other crops	3 499	3 213	3 322	3 298	3 337	3 632	4 730	4 328
Total crops	13 299	13 496	13 679	13 996	13 086	13 027	16 886	15 140
Meat and live animals for slaughter								
Beef and veal	3 756	3 793	4 584	4 272	4 634	4 190	4 857	3 953
Live cattle	569	318	374	358	437	451	559	601
Mutton	442	380	398	432	458	443	482	433
Lamb	533	602	673	767	748	803	925	916
Live sheep	408	266	207	291	289	286	339	297
Pig meat	256	181	150	143	142	128	124	109
Poultry meat	22	20	20	21	26	32	43	36
Canned meat	49	12	12	12	12	7	8	8
Total	5 987	5 560	6 405	6 284	6 734	6 333	7 329	6 345
Wool								
Greasy ^d	2 322	1 884	1 993	1 863	2 316	2 115	1 729	1 778
Semiprocessed	991	632	505	389	393	362	281	238
Skins	288	296	339	287	356	319	312	291
Total ^d	3 602	2 812	2 837	2 539	3 065	2 796	2 322	2 308
Dairy products								
Butter	224	183	188	225	179	195	232	211
Cheese	800	739	877	837	824	968	796	715
Casein	128	123	116	89	113	125	107	88
Skim milk powder	408	388	420	529	505	533	553	358
Wholemilk powder	380	322	324	334	275	392	475	296
Other dairy products	555	534	559	556	542	550	515	397
Total	2 496	2 288	2 485	2 569	2 438	2 763	2 679	2 066
Other livestock exports								
Total livestock exports	2 535	2 419	2 496	2 436	2 577	2 611	2 836	2 633
Total farm exports	14 620	13 079	14 222	13 828	14 815	14 503	15 166	13 352
Total farm exports	27 919	26 574	27 901	27 824	27 900	27 530	32 052	28 492

Continued

20 Value of Australian agricultural exports (fob) continued

	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Africa								
Egypt	337	653	226	473	151	176	317	131
South Africa	134	128	116	118	130	116	158	109
Other	447	396	399	436	343	355	625	547
Total	918	1 176	741	1 027	624	647	1 101	787
Americas								
United States	3 030	3 049	3 162	2 964	2 981	2 503	2 999	2 326
Canada	603	412	451	431	423	397	377	330
Other	367	269	249	279	231	267	277	168
Total	4 000	3 730	3 862	3 674	3 636	3 166	3 652	2 825
North Asia								
China	2 280	2 282	2 771	2 857	3 064	2 932	3 216	3 352
Chinese Taipei	809	690	722	782	664	577	651	579
Japan	4 315	4 487	5 337	4 796	4 675	4 302	5 228	3 868
Korea, Rep. of	1 620	1 383	1 633	1 830	2 059	1 743	1 823	1 691
Other	471	380	364	402	361	406	559	459
Total	9 495	9 220	10 827	10 667	10 823	9 960	11 477	9 949
South East Asia								
Indonesia	1 532	1 435	1 491	1 694	1 773	1 835	2 630	1 868
Malaysia	864	895	939	795	811	793	1 017	616
Phillipines	542	398	358	290	243	315	491	308
Singapore	584	491	526	595	607	672	715	595
Thailand	555	500	503	598	477	514	632	591
Other	245	234	258	297	278	368	608	588
Total	4 321	3 953	4 076	4 268	4 190	4 496	6 093	4 566
South Asia	653	789	833	725	1 059	686	1 039	1 125
Middle East	1 962	1 394	1 765	1 876	1 549	2 187	3 557	1 761
Europe								
European Union e	2 910	2 678	2 696	2 560	2 423	2 512	2 628	1 721
Russian Federation	64	76	116	189	207	367	321	217
Other	92	79	75	76	60	66	53	71
Total	3 066	2 833	2 886	2 825	2 691	2 945	3 002	2 009
Oceania	1 438	1 335	1 427	1 446	1 605	1 753	1 882	1 678
New Zealand	1 056	998	1 078	1 101	1 227	1 306	1 401	1 242
Other f	2 066	2 144	1 484	1 317	1 724	1 689	249	3 792
Total	27 919	26 574	27 901	27 824	27 900	27 530	32 052	28 492

a Field peas and cowpeas. b Includes soybeans, linseed, sunflowerseed, safflowerseed and peanuts. Excludes meals and oils. c Excludes cotton waste and linters.

d On a balance of payments basis. ABS recorded trade data adjusted for changes in stock levels held overseas by Wool International. e 27 countries. f Includes commodities such as rice and lupins for which export data are not available by destination.

Note: For some agricultural commodities (namely, wheat, sugar and barley), data are only available by volume to specific export destinations. The country export values for these commodities are calculated using an average export unit return to all destinations.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture, Fisheries and Forestry; ABARES.

21 Value of Australian agricultural imports

	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Grains and oilseeds								
Wheat	51.5	0.1	0.1	0.0	0.0	0.1	0.1	0.0
Rice	49.4	55.6	62.7	71.3	79.6	134.9	210.8	210.7
Canola	7.1	12.1	12.7	14.7	40.7	20.2	23.7	20.7
Cottonseed	0.9	6.9	3.1	2.6	11.4	10.4	36.7	6.9
Other grains and oilseeds	50.6	36.3	11.9	8.4	38.9	29.7	28.4	18.4
Total	159.6	110.9	90.3	97.1	170.6	195.3	299.7	256.8
Horticulture								
Fruit	565.5	587.3	704.0	740.6	845.8	927.8	991.4	942.7
Vegetables	497.4	526.6	512.2	528.3	621.3	731.5	841.8	744.3
Total	1 062.9	1 113.9	1 216.2	1 268.9	1 467.1	1 659.2	1 833.1	1 687.0
Industrial crops								
Cotton	1.0	0.5	0.7	0.0	0.1	0.0	0.3	0.2
Sugar	5.8	4.7	5.4	4.6	6.4	6.7	26.1	51.3
Wine	139.3	158.4	200.5	248.4	334.1	453.6	501.7	477.5
Total	146.2	163.5	206.6	253.0	340.5	460.4	528.2	528.9
Meat and live animals for slaughter								
Beef and veal	5.3	8.8	21.8	21.2	14.0	9.9	14.2	13.9
Sheep meat	1.6	2.2	1.3	2.2	1.4	1.9	4.7	10.1
Pig meat	163.7	210.2	313.7	257.6	421.3	362.3	499.5	467.7
Total	170.5	221.2	336.9	281.1	436.7	374.1	518.4	491.7
Wool								
Greasy	9.2	7.7	0.8	0.3	0.2	0.6	0.2	0.1
Dairy products								
Butter	21.0	25.7	30.5	30.7	35.7	81.9	53.6	71.6
Cheese	4.3	4.3	4.9	4.8	4.7	5.4	6.2	5.0
Casein	9.5	10.9	11.8	10.1	15.0	21.7	14.9	6.8
Wholemilk powder	9.6	16.1	18.6	17.6	18.4	35.0	35.2	34.5
Other dairy products	286.8	272.7	318.2	368.5	406.5	512.4	520.9	497.4
Total	331.2	329.8	384.1	431.8	480.4	656.4	630.7	615.4
Other farm imports a	4 439.7	4 216.7	4 583.4	4 937.9	5 678.6	6 152.2	7 157.2	6 958.7
Total farm Imports	6 319.4	6 163.7	6 818.3	7 269.9	8 574.1	9 498.3	10 967.6	10 538.7

a Consists largely of substantially and elaborately transformed foods. For more information see *Australian Food Statistics report*, Department of Agriculture, Fisheries and Forestry.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture, Fisheries and Forestry; ABARES.

22 Indexes of prices received by farmers in Australia

	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
Crops sector									
Grains and oilseeds									
Wheat	93.4	88.3	124.9	136.3	107.5	100.0	94.5	98.7	117.4
Barley	92.8	79.0	135.1	143.7	116.6	100.0	87.7	107.9	125.1
Sorghum	94.1	85.9	112.3	119.0	106.7	100.0	88.1	72.6	85.1
Oats	78.9	65.6	131.3	112.9	100.3	100.0	63.7	77.5	96.5
Lupins	106.1	96.2	95.3	106.7	111.8	100.0	72.9	74.3	104.9
Canola	69.7	77.3	80.0	81.4	75.6	100.0	98.7	80.1	79.6
Total	94.2	89.9	120.9	126.1	105.1	100.0	92.0	94.5	108.7
Cotton	91.8	98.6	123.5	121.3	103.1	100.0	88.4	97.4	106.1
Sugar	89.6	102.8	112.7	110.2	100.0	100.0	93.2	72.2	70.4
Hay	77.3	78.3	108.8	102.3	93.6	100.0	98.4	100.0	110.7
Fruit	85.4	87.0	101.1	103.0	109.6	100.0	108.7	100.0	102.0
Wine grapes	52.5	58.0	72.8	82.4	88.5	100.0	109.7	99.3	108.7
Vegetables	94.3	100.6	115.1	115.2	100.9	100.0	108.2	100.4	107.5
Total crops sectors	91.9	92.5	115.2	118.2	104.1	100.0	96.9	94.9	104.7
Livestock sector									
Livestock for slaughter									
Cattle	117.0	134.1	126.1	104.9	93.0	100.0	105.6	119.3	144.2
Lambs	85.2	97.6	89.9	116.9	121.4	100.0	101.9	94.8	104.1
Sheep	39.0	48.4	58.3	85.9	85.0	100.0	83.7	69.5	117.9
Live sheep for export	55.7	66.8	82.8	98.5	92.7	100.0	94.0	95.3	111.4
Pigs	98.4	95.3	96.4	122.4	123.2	100.0	94.2	110.2	113.7
Poultry	97.7	101.7	98.2	99.6	107.2	100.0	94.1	90.2	90.1
Total	102.4	113.9	109.9	106.5	101.0	100.0	100.9	108.4	126.0
Livestock products									
Wool	75.1	75.2	115.4	93.3	91.9	100.0	79.2	81.4	98.3
Milk	102.3	99.2	96.5	108.2	103.4	100.0	95.5	87.9	97.0
Eggs	95.3	91.4	88.6	101.7	105.2	100.0	85.3	84.0	79.1
Honey	82.3	76.8	81.7	90.2	101.6	100.0	101.1	94.3	94.3
Total	87.4	86.1	105.8	100.8	98.1	100.0	87.5	84.5	95.8
Store and breeding stock	78.8	95.0	96.7	96.1	89.4	100.0	100.9	105.0	126.0
Total livestock sector	93.6	99.9	107.0	103.2	98.8	100.0	95.2	97.9	113.1
Total prices received	93.7	97.4	112.0	111.2	101.6	100.0	96.1	96.3	108.5

Continued

22 Indexes of prices received by farmers in Australia continued

	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Crops sector									
Grains and oilseeds									
Wheat	132.3	134.4	109.1	99.6	102.5	122.4	197.2	139.2	122.6
Barley	130.8	159.9	105.9	100.1	93.9	153.3	196.9	145.3	117.8
Sorghum	102.2	120.9	93.8	79.4	84.6	126.1	152.4	121.3	114.9
Oats	128.2	160.3	101.1	98.2	107.8	176.6	205.7	158.3	136.2
Lupins	127.7	149.0	120.4	105.2	99.8	135.8	171.0	142.9	116.5
Canola	99.7	100.9	104.4	84.5	86.5	102.8	140.7	142.2	106.0
Total	123.7	134.0	105.2	95.8	97.2	127.8	181.8	136.3	116.7
Cotton	92.7	100.1	90.7	87.0	76.5	82.5	87.3	96.7	104.0
Sugar	88.5	83.2	75.5	83.5	90.9	108.4	80.6	98.3	150.6
Hay	104.2	155.0	125.0	128.0	143.7	230.7	254.6	219.0	181.6
Fruit	117.8	111.9	120.6	123.9	138.3	184.0	148.4	148.2	146.6
Wine grapes	110.2	100.5	99.7	88.7	76.5	109.3	97.7	65.4	57.6
Vegetables	104.3	121.5	126.0	119.1	133.8	141.3	153.7	152.9	150.4
Total crops sectors	113.6	118.8	106.5	100.7	103.4	126.8	138.5	119.0	112.8
Livestock sector									
Livestock for slaughter									
Cattle	167.7	145.0	160.3	177.2	181.3	174.3	164.6	170.4	168.2
Lambs	167.2	176.7	190.1	184.5	177.7	165.6	165.9	198.8	232.9
Sheep	204.7	185.4	230.3	196.1	202.7	156.2	178.5	210.8	365.1
Live sheep for export	156.1	179.3	178.0	164.1	176.1	179.1	180.7	214.2	249.3
Pigs	123.6	109.7	109.4	117.8	115.6	124.8	120.7	139.5	132.0
Poultry	93.0	98.5	97.7	91.9	83.5	84.5	109.4	120.0	111.5
Total	151.5	139.1	149.3	157.5	157.6	152.6	152.1	164.3	168.9
Livestock products									
Wool	113.9	153.2	119.6	105.9	100.4	115.5	127.9	109.2	141.2
Milk	110.5	90.7	93.4	105.7	111.0	111.1	166.1	142.3	125.0
Eggs	85.9	89.9	94.1	91.5	92.5	102.0	107.5	108.5	105.5
Honey	115.0	132.0	136.2	136.7	141.4	147.5	152.4	163.2	171.3
Total	109.3	114.3	103.4	104.9	105.8	112.4	147.2	127.7	128.0
Store and breeding stock	151.5	139.0	149.3	157.5	157.6	152.7	152.1	163.3	173.7
Total livestock sector	133.5	128.2	130.1	135.6	136.0	135.4	147.6	148.3	151.6
Total prices received	122.6	122.8	117.2	116.4	118.1	129.9	141.8	131.5	129.5

Note: ABARE revised the method for calculating these indexes in October 1999. The indexes for commodity groups are now calculated on a chained weight basis using Fishers' ideal index with a reference year of 1997-98 = 100. Indexes for most individual commodities are based on annual gross unit value of production.

Source: ABARES.

23 Farm land use and livestock numbers in Australia

	Area used for ^a		Total area of farms million ha	Livestock numbers ^b		
	Wheat million ha	Other crops ^c million ha		Beef cattle million	Dairy cattle million	Sheep million
1969-70	9.5	3.7	494.7	17.54	4.01	174.26
1970-71	6.5	4.7	497.2	19.83	3.90	171.74
1971-72	7.1	5.3	499.5	22.89	3.82	155.39
1972-73	7.6	4.6	499.8	24.65	3.79	134.10
1973-74	8.9	4.3	500.3	26.59	3.57	139.45
1974-75	8.3	4.2	499.9	28.52	3.53	145.83
1975-76	8.6	4.7	500.7	29.26	3.41	144.11
1976-77	9.0	4.7	491.5	27.83	3.12	131.32
1977-78	10.0	5.3	489.4	25.73	2.90	127.46
1978-79	10.2	5.6	493.2	23.68	2.73	130.50
1979-80	11.2	5.2	495.6	22.82	2.70	132.71
1980-81	11.3	5.2	495.4	22.37	2.80	131.44
1981-82	11.9	5.9	490.8	21.77	2.78	135.02
1982-83	11.5	5.7	483.8	19.72	2.76	130.51
1983-84	12.8	7.3	488.6	19.36	2.81	135.14
1984-85	12.0	7.3	489.2	19.98	2.81	145.67
1985-86	11.7	6.5	468.3	20.68	2.76	150.40
1986-87	11.1	5.5	471.0	20.96	2.70	153.18
1987-88	9.0	7.3	472.0	20.88	2.64	156.54
1988-89	8.8	6.8	466.9	21.42	2.61	164.91
1989-90	9.0	6.2	464.3	22.27	2.58	173.78
1990-91	9.2	6.6	462.8	22.88	2.49	166.57
1991-92	7.2	7.5	466.0	22.83	2.50	151.00
1992-93	9.1	7.5	460.1	22.65	2.53	140.54
1993-94	8.4	8.1	469.1	23.08	2.68	132.57
1994-95	7.9	7.8	463.3	22.99	2.74	120.86
1995-96	9.2	8.8	465.2	23.57	2.81	121.12
1996-97	10.9	9.1	462.2	23.74	2.96	120.23
1997-98	10.4	9.7	463.8	23.78	3.08	117.49
1998-99	11.5	10.3	453.7	23.36	3.22	117.49
1999-00	12.2	9.8	455.5	24.45	3.14	115.38
2000-01	12.1	10.4	455.7	24.50	3.22	110.93
2001-02	11.5	10.5	447.0	24.74	3.13	106.17
2002-03	11.2	10.2	439.5	23.62	3.05	99.25
2003-04	13.1	10.7	440.1	24.41	3.06	101.29
2004-05	13.4	11.0	445.1	25.32	2.86	101.13
2005-06	12.4	10.4	434.9	25.61	2.79	91.03
2006-07	11.8	10.0	425.4	25.37	2.66	85.71
2007-08	12.6	11.2	417.3	24.78	2.54	76.94
2008-09	13.5	11.1	409.0	25.29	2.61	72.74
2009-10	14.0	10.5	na	24.25	2.48	67.71

^a Year ended 31 March. From 1999-00, year ended 30 June. Details for establishments with estimated value of agricultural operations (EVAO) of \$2 500 or more until 1985-86; EVAO of \$5 000 or more from 1986-87 to 1988-89; EVAO of \$20 000 or more from 1989-90 to 1990-91; EVAO of \$22 500 or more from 1991-92 to 1992-93; and EVAO of \$5 000 or more from 1993-94. ^b Year ended 31 March. From 1999-00, year ended 30 June. Before 1987, includes livestock holdings on establishments with an EVAO of \$2 500 or more. From 1987, the EVAO has been raised to \$5 000. ^c Includes barley, canola, chickpeas, field peas, lupins, oats, triticale, maize, rice, sorghum, soybeans, sunflowerseed, linseed, safflowerseed, sugar cane and winegrapes. Excludes winegrapes before 1974-75. na Not available.

Sources: ABS, *Selected Agricultural Commodities, Australia (Preliminary)*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities*, cat. no. 7121.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Agricultural Land Use and Selected Inputs, Australia*, cat. no. 7411.0, Canberra; ABARES.

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Number of agricultural establishments and rural employment in Australia

	Agricultural establishments a	Employers and self-employed no. '000	Rural employment b		
			Wage and salary earners '000	Contributing family workers '000	Total '000
1966-67	198 400	na	na	na	461.0
1967-68	197 050	na	na	na	458.0
1968-69	195 700	na	na	na	448.0
1969-70	192 550	na	na	na	452.0
1970-71	189 400	na	na	na	450.0
1971-72	187 650	na	na	na	447.0
1972-73	185 900	na	na	na	434.0
1973-74	184 150	na	na	na	427.0
1974-75	182 250	na	na	na	414.0
1975-76	180 411	na	na	na	401.0
1976-77	173 625	na	na	na	393.0
1977-78	176 155	na	na	na	390.0
1978-79	177 218	na	na	na	388.0
1979-80	179 084	na	na	na	404.0
1980-81	175 756	na	na	na	414.0
1981-82	174 466	na	na	na	409.0
1982-83	178 025	na	na	na	417.0
1983-84	175 412	na	na	na	407.0
1984-85	173 061	na	na	na	403.0
1985-86	171 180	na	na	na	425.4
1986-87	169 568	na	na	na	419.8
1987-88	168 339	na	na	na	416.3
1988-89	167 934	na	na	na	432.3
1989-90	163 416	na	na	na	425.5
1990-91	158 898	na	na	na	432.0
1991-92	154 380	na	na	na	406.0
1992-93	151 966	na	na	na	401.8
1993-94	150 389	na	na	na	406.1
1994-95	147 115	227.5	146.5	26.8	400.9
1995-96	146 612	226.8	162.3	26.8	416.1
1996-97	145 083	225.3	168.3	24.8	418.9
1997-98	144 836	232.3	176.8	19.3	428.2
1998-99	145 226	213.3	186.3	18.5	418.1
1999-00	146 371	220.5	192.8	23.3	436.0
2000-01	140 516	211.0	198.5	22.0	431.6
2001-02	135 377	211.8	213.0	13.0	437.6
2002-03	132 983	178.8	181.3	10.5	370.4
2003-04	130 526	172.0	185.3	9.5	366.8
2004-05	129 934	166.5	181.3	9.8	357.1
2005-06	154 472	161.8	176.3	10.0	348.1
2006-07	150 403	166.8	176.5	7.0	350.4
2007-08	140 704	171.0	173.8	7.3	352.5
2008-09	135 996	176.5	173.5	7.8	357.6
2009-10	na	173.0	188.5	7.5	369.2

a Represents total establishments engaged in agricultural activities. b Based on ANZSIC 2006. Average employment over four quarters. Data represents agriculture, forestry, fishing and hunting, and services to these industries. Caution should be used when utilising employment statistics at the ANZSIC subdivision and group levels due to estimates that may be subject to sampling variability and standard errors too high for most practical purposes. na Not available.

Sources: ABS, *Labour Statistics, Australia*, cat. no. 6101.0, Canberra; ABS, *The Labour Force, Australia*, cat. no. 6203.0, Canberra; ABS, *Labour Force, Australia, Detailed - Electronic Delivery*, cat. no. 6291.0.55.003, Canberra; ABS, *Characteristics of Australian Farms*, cat. no. 7102.0, Canberra; ABS, *Agriculture*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities*, cat. no. 7121.0, Canberra; Lette, G.1979, *Number of Farms and Farm Workforce in Australia*, BAE, Quarterly Review of the Rural Economy, vol. 1, no. 2, May 1979, pp. 147-150; ABARES.

25 Summary of farm sector and other rural exports ^a

	Cereal grains and products \$m	Sugar products and honey \$m	Meat and meat preparations \$m	Wool and sheepskins \$m	Other rural ^b \$m	Total \$m
At current prices						
1970-71	596	160	428	594	386	2 164
1971-72	623	223	558	631	441	2 476
1972-73	421	259	857	1 270	592	3 399
1973-74	748	230	795	1 242	588	3 603
1974-75	1 460	661	444	770	605	3 940
1975-76	1 397	599	668	1 043	730	4 437
1976-77	1 317	645	886	1 558	935	5 341
1977-78	1 330	544	1 118	1 292	1 075	5 359
1978-79	1 182	466	1 711	1 608	1 390	6 357
1979-80	2 957	719	1 729	1 790	1 667	8 862
1980-81	2 339	1 198	1 592	1 920	1 648	8 697
1981-82	2 494	794	1 417	1 893	1 799	8 397
1982-83	1 837	596	1 632	1 819	2 020	7 904
1983-84	2 861	665	1 357	1 960	2 135	8 978
1984-85	4 000	625	1 409	2 651	2 509	11 194
1985-86	3 848	652	1 698	3 028	2 972	12 198
1986-87	2 759	698	2 247	3 920	3 570	13 194
1987-88	2 298	701	2 557	5 806	3 979	15 341
1988-89	2 828	933	2 270	5 984	4 053	16 068
1989-90	3 288	1 102	2 936	3 753	4 484	15 563
1990-91	2 436	948	3 173	2 887	4 897	14 341
1991-92	2 352	743	3 434	3 829	5 657	16 015
1992-93	2 954	1 072	3 743	3 378	6 450	17 597
1993-94	3 205	1 315	4 042	3 369	7 087	19 018
1994-95	2 521	1 729	3 660	4 216	7 529	19 655
1995-96	4 922	1 708	3 292	3 664	8 428	22 014
1996-97	5 957	1 694	2 959	3 742	9 339	23 691
1997-98	5 096	1 941	3 730	4 018	10 472	25 257
1998-99	5 017	1 472	4 007	2 601	11 572	24 669
1999-00	4 942	1 229	4 469	2 965	13 084	26 689
2000-01	5 937	1 330	5 795	3 895	15 677	32 634
2001-02	6 482	1 610	6 248	3 695	16 254	34 289
2002-03	4 487	1 365	5 656	3 602	14 813	29 923
2003-04	5 093	1 129	5 758	2 812	14 128	28 920
2004-05	5 160	1 296	6 933	2 837	14 082	30 308
2005-06	4 852	1 765	6 709	2 539	14 566	30 431
2006-07	4 171	1 671	7 080	3 065	14 413	30 400
2007-08	4 975	1 158	6 542	2 796	14 500	29 971
2008-09	6 881	1 500	7 454	2 322	15 760	33 917
2009-10	5 276	1 978	6 360	2 308	14 392	30 314

^a On a balance of payments basis. ^b Includes other farm, forest and fisheries products. Also includes wine, paper and paperboard, and tuna transhipped at sea or captured under joint venture agreements, which are not included in rural exports by the ABS.

Sources: ABS, *Balance of Payments, Australia*, cat. no. 5302.0, Canberra; ABARES.

26 Australian winter and summer crop area and production

	Winter crops a		Summer crops b	
	Area '000 ha	Production kt	Area '000 ha	Production kt
1989-90	13 875	21 518	932	2 754
1990-91	14 349	22 326	1 053	2 672
1991-92	13 058	18 962	1 225	3 793
1992-93	15 112	25 934	1 032	2 377
1993-94	14 907	27 783	1 172	3 097
1994-95	13 974	14 713	1 317	3 304
1995-96	16 128	27 785	1 448	3 624
1996-97	18 102	35 070	1 432	4 375
1997-98	18 260	31 116	1 336	3 820
1998-99	19 582	34 147	1 742	5 097
1999-00	19 763	36 980	1 592	5 026
2000-01	20 280	34 696	1 761	5 286
2001-02	19 817	39 240	1 640	5 029
2002-03	19 623	17 402	1 098	2 871
2003-04	21 982	43 394	1 212	3 679
2004-05	22 445	34 710	1 337	3 889
2005-06	20 864	41 236	1 434	4 327
2006-07	20 245	17 588	916	2 186
2007-08	22 017	25 422	1 205	4 583
2008-09	22 910	34 386	1 157	3 798
2009-10	22 996	35 474	922	2 860

a Includes lentils, lupins, chickpeas, faba beans, field peas, canola, linseed, safflower, wheat, barley, oats and triticale. b Includes sorghum, cottonseed, maize, sunflower, rice, soybean, peanuts, mung beans and navy beans.

Sources: Australian Oilseeds Federation, Sydney; Pulse Australia, Sydney; ABS, Canberra; ABARES.

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Australian winter and summer crop area and production, by state

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
Winter a Area								
1999-00	'000 ha	4 955	2 670	1 337	7 464	3 342	25	19 763
2000-01	'000 ha	5 398	2 706	1 126	7 390	3 667	27	20 280
2001-02	'000 ha	5 309	2 684	788	7 173	3 866	23	19 817
2002-03	'000 ha	4 782	2 928	774	7 174	3 965	25	19 623
2003-04	'000 ha	6 070	3 126	1 039	7 688	4 034	25	21 982
2004-05	'000 ha	6 456	3 130	878	7 936	4 018	23	22 445
2005-06	'000 ha	5 599	2 984	971	7 408	3 874	26	20 864
2006-07	'000 ha	5 684	3 096	813	6 479	4 146	21	20 245
2007-08	'000 ha	6 325	3 392	879	7 266	4 132	22	22 017
2008-09	'000 ha	6 295	3 495	1 212	7 901	3 979	28	22 910
2009-10	'000 ha	6 215	3 472	1 189	8 263	3 833	23	22 996
Production								
1999-00	Kt	11 495	5 139	2 222	13 311	4 751	61	36 980
2000-01	Kt	10 834	6 232	1 340	8 726	7 486	75	34 696
2001-02	Kt	11 171	5 873	1 142	12 050	8 927	75	39 240
2002-03	Kt	3 505	1 955	836	6 812	4 227	65	17 402
2003-04	Kt	10 768	6 945	1 473	16 683	7 451	70	43 394
2004-05	Kt	10 724	4 204	1 383	12 983	5 338	77	34 710
2005-06	Kt	11 983	6 270	1 435	13 947	7 520	81	41 236
2006-07	Kt	3 796	1 751	926	8 279	2 793	44	17 588
2007-08	Kt	4 007	4 700	1 196	10 761	4 706	64	25 422
2008-09	Kt	9 441	3 890	2 326	13 784	4 864	78	34 386
2009-10	Kt	7 771	5 890	1 636	13 003	7 101	70	35 474
Summer b Area								
1999-00	'000 ha	742	3	771	3	0	0	1 592
2000-01	'000 ha	825	4	816	3	0	0	1 761
2001-02	'000 ha	777	3	794	1	1	0	1 640
2002-03	'000 ha	509	1	521	1	0	0	1 098
2003-04	'000 ha	436	4	708	2	0	0	1 212
2004-05	'000 ha	493	2	773	0	0	0	1 337
2005-06	'000 ha	765	3	602	3	0	0	1 434
2006-07	'000 ha	332	1	520	1	0	0	916
2007-08	'000 ha	378	2	756	3	0	0	1 205
2008-09	'000 ha	395	2	700	1	0	0	1 157
2009-10	'000 ha	368	2	489	2	0	0	922
Production								
1999-00	Kt	2 882	8	2 031	2	0	0	5 026
2000-01	Kt	3 366	14	1 786	4	0	0	5 286
2001-02	Kt	3 146	14	1 772	0	0	0	5 029
2002-03	Kt	1 582	15	1 199	0	0	0	2 871
2003-04	Kt	1 766	10	1 806	1	0	0	3 679
2004-05	Kt	2 000	3	1 788	1	0	0	3 889
2005-06	Kt	2 770	21	1 447	5	0	0	4 327
2006-07	Kt	1 033	4	1 087	1	0	0	2 186
2007-08	Kt	1 650	7	2 826	8	0	0	4 583
2008-09	Kt	1 426	4	2 300	3	0	0	3 798
2009-10	Kt	1 439	8	1 332	4	0	0	2 860

a Includes lentils, lupins, chickpeas, faba beans, field peas, canola, linseed, safflower, wheat, barley, oats and triticale. b Includes sorghum, cottonseed, maize, sunflower, rice, soybean. Australia also includes peanuts, mung beans and navy beans.

Sources: Australian Oilseeds Federation, Sydney; Pulse Australia, Sydney; ABS, Canberra; ABARES.

28 Summary of operations of mineral resource establishments ^a

Number of establish- ments at 30 June no.	Employ- ment at 30 June no. b	Wages and salaries c \$m	Turnover \$m	Stocks		Purchases, transfers in and selected expenses \$m	Value added \$m
				Opening \$m	Closing \$m		
Mining d							
1975-76	1 271	67 609	783	4 257	346	479	1 340
1976-77	1 277	67 888	928	5 062	473	548	1 589
1977-78	1 352	66 312	1 018	5 777	579	639	1 962
1978-79	1 368	66 563	1 096	6 561	643	654	2 166
1979-80	1 448	73 805	1 286	8 042	651	795	2 702
1980-81	1 514	80 033	1 594	9 329	806	1 064	3 364
1981-82	1 490	79 745	1 882	10 199	1 075	1 350	3 776
1982-83	1 542	77 755	2 063	11 901	1 333	1 710	4 169
1983-84	1 630	77 926	2 129	13 524	1 699	1 700	4 700
1984-85	1 649	78 063	2 307	16 291	1 786	1 716	5 611
1985-86	1 528	78 945	2 573	19 618	1 656	1 818	6 824
1986-87	1 451	78 233	2 772	19 257	1 829	2 285	6 798
1987-88	1 475	76 753	2 883	20 912	2 246	2 166	7 226
1988-89	375	64 746	2 690	20 830	2 052	2 017	6 640
1989-90	na	78 373	3 504	26 573	2 205	2 581	8 789
1990-91	527	65 776	3 550	28 899	2 435	2 606	8 907
1991-92	499	61 348	3 567	28 371	2 496	2 580	9 313
1992-93	493	66 462	3 820	31 507	2 903	2 870	10 381
1993-94	516	56 465	3 627	29 018	2 614	2 517	9 989
1994-95	499	55 014	3 594	28 882	2 508	2 517	10 219
1995-96	511	56 529	3 882	31 014	2 761	2 501	11 392
1996-97	503	56 168	4 077	34 234	2 786	3 354	12 380
1997-98	528	51 048	4 157	37 558	3 353	3 318	13 540
1998-99	527	45 703	3 910	37 524	3 471	3 296	13 230
1999-00	529	53 169	4 169	42 632	3 897	4 146	12 705
2000-01	na	52 854	5 620	55 954	4 008	3 496	na
2001-02	na	57 706	6 094	59 604	3 603	4 309	na
2002-03	na	61 034	6 607	62 794	4 171	4 264	na
2003-04	na	64 259	7 031	61 099	4 170	4 358	na
2004-05	na	69 126	7 826	74 849	4 094	4 805	na
2005-06	na	77 810	9 835	99 497	5 153	6 073	na
2006-07	503	82 500	11 827	113 624	6 004	6 979	na
2007-08	510	84 250	12 788	120 881	na	na	72 156
2008-09	515	98 000	15 549	171 654	na	na	107 059
2009-10	na	107 750	na	na	na	na	na

^a From 1992-93, the classification of census units is based on the 1993 edition of the Australian and New Zealand Standard Industrial Classification (ANZSIC). Before 1992-93, classification of census units was based on the Australian Standard Industrial Classification (ASIC); ANZSIC has replaced the following editions of ASIC: the 1983 edition (used since the 1982-83 census), the 1978 edition (used since the 1977-78 census) and the 1969 edition (used since the 1968-69 census). ^b Includes working proprietors. ^c Excludes amounts drawn by working proprietors. ^d Data for 1974-75 to 1987-88 and 1989-90 cover ASIC subdivisions 11-15; data for 1988-89, 1990-91 and 1991-92 cover ASIC subdivisions 11-14; data for 1992-93 cover ANZSIC subdivisions 11-14 (equivalent to ASIC subdivisions 11-15); and data for 1993-94 and 1994-95 cover ANZSIC subdivisions 11-13 (equivalent to ASIC subdivisions 11-14). Data from 1996-97 to 2000-01 based on ABS mining collection, equivalent to ANZSIC subdivisions 11-13. Data from 2001-02 based on ANZSIC subdivisions 11-15.

^e ABARE estimate. ^{na} Not available.

Sources: ABS, *Australian Industry*, cat. no. 8155.0, Canberra; ABS, *Manufacturing Industry, Australia*, cat. no. 8201.0, Canberra; ABS, *Manufacturing Establishments, Summary of Operations, Australia*, cat. no. 8202.0, Canberra; ABS, *Manufacturing Industry, Details of Operations, Australia*, cat. no. 8203.0, Canberra; ABS, *Mining, Electricity and Gas Operations, Australia*, Preliminary, cat. no. 8401.0, Canberra; ABS, *Australian Mining Industry*, cat. no. 8414.0, Canberra; ABS, *Mining Industry, Australia*, cat. nos. 8402.0, Canberra; ABS, *Mining Operations, Australia*, cat. no. 8415.0, Canberra.

29

Value of Australian mineral production, exploration expenditure and royalties paid

	Gross value of minerals produced ab				Exploration expenditure de	Mineral royalties f
	Metallics	Coal and petroleum	Construction materials c	Non-metallics		
	\$m	\$m	\$m	\$m	\$m	\$m
1975-76	1 858	2 223	276	179	4 536	156
1976-77	2 162	2 647	269	187	5 265	202
1977-78	2 088	3 001	313	216	5 618	262
1978-79	2 968	4 793	365	237	8 363	345
1979-80	3 540	6 226	448	273	10 487	581
1980-81	3 238	8 022	532	279	12 071	838
1981-82	3 820	8 635	605	288	13 348	1 380
1982-83	3 748	9 819	590	325 i	14 482	1 365
1983-84	4 389 g	11 717	706 h	327 i	17 457 i	1 249
1984-85	5 479 k	15 193	826 h	361 l	22 108 i	1 230
1985-86	5 963 k	11 961	894 h	596 m	19 720 i	1 208
1986-87	7 146 g	12 147 n	856 h	637 o	21 207 i	862
1987-88	8 310	10 221	973 h	777	20 281	1 295
1988-89	8 760 p	10 440 p	1 018 h	845 q	21 063 q	1 330
1989-90	11 110	12 700	1 399 h	924	26 133	1 190
1990-91	10 910 p	15 361 p	na	na	26 293	1 184
1991-92	10 957 p	15 010 p	na	na	25 985	1 078
1992-93	10 920 p	15 801 p	1 405 h	1 065	26 721	1 244
1993-94	10 861 p	14 841 p	0	0	25 702	1 299
1994-95	11 715 p	15 023 p	0	0	26 723	1 566
1995-96	12 793	15 986	0	0	28 779	1 649
1996-97	13 617	17 912	0	0	31 358	1 957
1997-98	14 696	19 517	0	0	34 213	1 985
1998-99	15 228	18 955	0	0	34 182	1 690
1999-00	14 234	20 065	0	0	34 299	1 377
2000-01	18 748	26 245	871	1 488	52 270	1 708
2001-02	19 531	31 550	1 221	2 905	55 206	1 523
2002-03	19 352	29 825	1 317	3 191	53 685	1 728
2003-04	20 424	26 804	1 396	2 615	51 236	1 731
2004-05	25 678	37 876	1 486	2 893	67 931	2 073
2005-06	36 124	50 924	1 629	3 218	91 895	2 503
2006-07	49 050	51 377	1 853	3 937	106 216	3 940
2007-08	52 232	59 192	2 226	3 779	117 429	5 496
2008-09	na	na	na	na	na	6 034
2009-10	na	na	na	na	na	5 727

a Before 1988-89, data compiled by the former Bureau of Mineral Resources on a calendar year basis; for 1988-89 and 1989-90, data compiled by ABARE on a fiscal year basis; from 1990-91 to 1999-2000, data compiled by ABS from annual Mining Census data; and from 2001-02 ABS now applies a market price to the metallic content of production to obtain a valuation. b From 1965 to 1989-90, data cover ASIC subdivisions 11-15; data for 1990-91 and 1991-92 cover ASIC subdivisions 11-14; data for 1992-93 cover ANZSIC subdivisions 11-14 (equivalent to ASIC subdivisions 11-15); and data for 1993-94 and 1994-95 cover ANZSIC subdivisions 11-13 (equivalent to ASIC subdivisions 11-14). Data from 1996-97 based on ABS mining collection, equivalent to ANZSIC subdivisions 11-13.

c Coverage is inconsistent between years. d Year ended 30 June. e Private expenditure; includes energy exploration. f Defined as total natural resource royalty expenses. Includes oil and gas extraction from 1988-89. g Excludes bauxite for Western Australia. h Excludes Australian Capital Territory. i Excludes talc and limestone for Western Australia. j Includes confidential items not separately included in the listed categories. k Excludes bauxite for Western Australia and iron oxide, molybdenum and tin-copper concentrate for Tasmania. l Excludes limestone and salt for Queensland. m Excludes salt for Victoria and limestone and talc for Western Australia. n Excludes coal for Western Australia. o Excludes salt for Victoria and limestone, silica and talc for Western Australia. p Tasmanian coal production included in metallics. q Excludes salt and silica for Victoria and clay, dolomite, limestone, peat and silica for Tasmania. na Not available.

Sources: ABS, *Australian Industry*, cat. no. 8155.0, Canberra; ABS, *Mining Industry, Australia*, cat. no. 8402.0, Canberra; ABS, *Mineral Exploration, Australia*, cat. no. 8407.0, Canberra; ABS, *Mineral and Petroleum Exploration, Australia*, cat. no. 8412.0, Canberra; ABS, *Australian Mining Industry*, cat. no. 8414.0, Canberra; Bureau of Mineral Resources, *Australian Mineral Industry Annual Review*, AGPS, Canberra; state mines departments and their equivalents; ABARES.

30 Australian private mineral exploration expenditure, by type of mineral sought

	Energy minerals			Metallic minerals						
	Petroleum	Other a	Total	Base metals b		Other metallics		Total	Other	Total
				\$m	\$m	\$m	\$m			
1970-71	79	na	na	na	na	na	na	na	na	na
1971-72	104	na	na	na	na	na	na	na	na	na
1972-73	93	na	na	na	na	na	na	na	na	na
1973-74	90	na	na	na	na	na	na	na	na	na
1974-75	60	14	74	na	na	na	na	90	6	170
1975-76	56	15	71	na	na	na	na	78	7	156
1976-77	68	30	98	na	na	na	na	95	9	202
1977-78	103	48	151	na	na	na	na	101	10	262
1978-79	163	56	219	na	na	na	na	105	21	345
1979-80	295	85	380	30	92	41	163	38	581	
1980-81	368	123	491	69	153	69	291	56	838	
1981-82	804	165	969	95	167	79	341	70	1 380	
1982-83	927	98	1 025	96	130	55	281	59	1 365	
1983-84	824	60	884	152	138	40	330	35	1 249	
1984-85	793	48	841	177	135	40	352	37	1 230	
1985-86	766	82	848	215	79	32	326	34	1 208	
1986-87	305	59	364	357	77	22	456	42	862	
1987-88	495	48	543	581	84	40	705	47	1 295	
1988-89	633	57	690	449	100	36	584	56	1 330	
1989-90	583	52	635	341	118	39	498	57	1 190	
1990-91	582	36	618	306	172	45	523	48	1 184	
1991-92	474	40	514	305	145	66	515	48	1 078	
1992-93	612	33	645	320	183	45	548	50	1 244	
1993-94	507	35	542	454	192	43	688	69	1 299	
1994-95	673	46	719	555	201	37	792	55	1 566	
1995-96	689	60	749	547	252	40	839	61	1 649	
1996-97	809	84	892	728	207	59	994	71	1 957	
1997-98	918	87	1 005	648	227	55	930	50	1 985	
1998-99	852	55	907	486	177	70	733	49	1 690	
1999-00	701	47	748	375	157	64	596	33	1 377	
2000-01	1 025	50	1 074	370	165	69	604	na	1 708	
2001-02	883	59	942	331	133	87	551	na	1 523	
2002-03	995	85	1 080	378	142	na	na	na	1 728	
2003-04	944	92	1 036	397	152	na	na	na	1 731	
2004-05	1 045	148	1 192	392	261	na	na	na	2 073	
2005-06	1 262	223	1 484	400	357	na	na	na	2 503	
2006-07	2 226	307	2 533	456	555	na	na	na	3 940	
2007-08	3 035	466	3 501	593	783	na	na	na	5 496	
2008-09	3 811	483	4 293	438	519	na	na	na	6 034	
2009-10	3 494	490	3 984	575	457	na	na	na	5 727	

a Coal and uranium. b Includes copper, lead, zinc, silver, nickel and cobalt. na Not available.

Sources: ABS, *Mineral Exploration, Australia*, cat. no. 8407.0, Canberra; ABS, *Mineral and Petroleum Exploration, Australia*, cat. no. 8412.0, Canberra.

31 Private new capital expenditure

	Mining ^a \$m	Manufacturing \$m	Other selected industries \$m	All industries \$m
1966-67	243	na	na	1 661
1967-68	325	na	na	1 813
1968-69	435	na	na	2 027
1969-70	533	na	na	2 360
1970-71	781	na	na	2 940
1971-72	874	na	na	3 120
1972-73	455	na	na	2 660
1973-74 ^b	541	na	na	3 776
1974-75	707	na	na	4 565
1975-76	654	na	na	5 316
1976-77	490	na	na	5 952
1977-78	804	na	na	7 091
1978-79	1 034	na	na	8 699
1979-80 ^c	1 117	na	na	8 298
1980-81	1 910	na	na	10 962
1981-82	2 868	na	na	13 999
1982-83	3 488	na	na	14 185
1983-84	2 386	na	na	13 021
1984-85	2 100	na	na	14 525
1985-86	2 799	na	na	18 070
1986-87	3 639	na	na	21 327
1987-88	4 036	6 782	18 316	29 134
1988-89	4 028	7 324	22 080	33 432
1989-90	4 105	8 210	22 251	34 566
1990-91	4 623	7 533	20 176	32 332
1991-92	4 267	7 191	15 513	26 971
1992-93	5 548	7 273	16 261	29 082
1993-94	5 651	8 048	18 247	31 946
1994-95	6 438	9 780	21 652	37 870
1995-96	7 666	10 070	25 657	43 393
1996-97	8 986	9 764	28 849	47 599
1997-98	11 360	10 403	28 396	50 159
1998-99	9 065	9 026	31 746	49 837
1999-00	5 672	9 480	33 784	48 936
2000-01	5 729	8 471	33 171	47 371
2001-02	7 596	8 458	32 968	49 022
2002-03	9 215	10 549	36 685	56 449
2003-04	9 795	10 558	37 010	57 363
2004-05	10 843	11 675	41 851	64 369
2005-06	19 659	14 032	46 920	80 611
2006-07	23 621	12 106	51 748	87 475
2007-08	29 201	12 340	55 232	96 773
2008-09	37 977	12 682	62 462	113 121
2009-10	34 756	11 705	59 615	106 076

^a Includes expenditure on petroleum and gas. ^b Break in continuity as a result of change in scope and the introduction of the integrated capital expenditure survey. ^c Break in continuity as a result of the changed definition in accounting for finance leases. na Not available.

Sources: ABS, *Private New Capital Expenditure and Expected Expenditure, Australia*, cat. no. 5625.0, Canberra; ABS, *Private New Capital Expenditure, Australia, Actual and Expected Expenditure*, cat. no. 5626.0, Canberra; ABARES.

Resources sector

32 Australian production of mineral commodities

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Bauxite	Mt	56	58	61	63	63	64	67
Coal								
Black								
Salable	Mt	284	303	307	325	327	334	357
Raw	Mt	363	394	401	417	424	441	461
Brown	Mt	66	67	68	66	66	68	69
Copper in mine products ^s	kt	811	895	936	859	863	890	825
Diamonds	'000 ct	24 310	32 471	25 354	24 632	16 528	15 169	11 135
Gold in mine products ^s	t	267	265	249	251	230	218	240
Iron ore and concentrate	Mt	223	252	264	288	325	353	423
Lead in mine products ^s	kt	677	682	760	642	641	596	604
Manganese ore and concentrate ^s	kt	3 094	3 563	4 082	5 046	5 412	3 730	5 807
Nickel in mine products ^s	kt	185	192	186	191	190	185	164
Petroleum								
Crude oil and condensate ^s	ML	30 713	27 311	24 316	28 366 ^s	25 192 ^s	26 950 ^s	25 572 ^s
LPG (naturally occurring)	ML	4 639	4 628	4 722	4 550	3 971	3 930	4 096
Natural gas and ethane	Mm ³	35 339	39 174	39 319	40 538 ^s	39 928 ^s	41 499 ^s	43 767 ^s
Salt ^s	kt	10 618	12 254	11 467	10 857	12 043	11 311	9 571
Silver in mine products ^s	t	2 056	2 303	2 218	1 674	1 867	1 775	1 749
Tin in mine products ^s	t	1 512	2 055	1 805	2 061	1 767	4 045	19 829
Titanium minerals								
Ilmenite	kt	1 911	1 993	2 185	2 383	2 205	2 055	1 696
Rutile	kt	152	173	184	279	333	308	328
Synthetic rutile ^s	kt	696	751	711	729	672	716	550
Titanium dioxide pigment ^s	kt	196	204	208	207	201	221	266
Uranium	t	9 569	10 964	9 974	9 594	10 114	10 311	7 156
Zinc in mine products ^s	kt	1 355	1 352	1 380	1 375	1 571	1 411	1 362
Zircon concentrate	kt	448	432	442	557	580	534	497

^s ABARES estimate.

Sources: ABS; state mines departments and their equivalents; ABARES.

33 Gross value of Australian mineral production, by commodity ^a

	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Coal						
Black	17 720	26 317	24 373	27 714	na	na
Brown	843	851	1 016	1 247	na	na
Construction materials	1 486	1 629	1 853	2 226	na	na
Copper ore and concentrate ^b	3 777	6 290	7 559	7 456	na	na
Diamonds	468	na	na	361	na	na
Gemstones						
Opals	64	57	46	47	na	na
Sapphires	0	2	0	0	na	na
Gold bullion ^b	4 635	5 609	6 514	6 775	na	na
Iron ore and concentrate ^b	8 330	12 897	15 958	22 422	na	na
Lead ore and concentrate ^b	830	1 015	1 301	2 000	na	na
Manganese ore and concentrate ^b	479	478	1 135	1 310	na	na
Nickel ore and concentrate ^b	3 613	3 816	8 401	5 567	na	na
Petroleum						
Crude oil and condensate						
LPG (naturally occurring)	19 313	23 756	25 988	30 231	na	na
Natural gas and ethane						
Salt	222	237	242	248	na	na
Tin ore and concentrate ^b	13	15	34	36	na	na
Titanium minerals						
Ilmenite	80	66	na	na	na	na
Rutile	na	na	na	na	na	na
Uranium	463	530	664	882	na	na
Zinc ore and concentrate ^b	2 059	3 851	6 411	4 511	na	na
Zircon concentrate	298	400	na	na	na	na
Total ^c	67 931	91 895	106 216	117 429	na	na

^a Gross value is ex mine. Data in this table are not on the same basis as data shown in the previous table. ^b From 2001-02 gross value is no longer valued ex mine. ABS now applies a market price to the metallic content of production to obtain a valuation. ^c Includes components shown as not available. Data based on ABS mining collection (equivalent to ANZSIC subdivisions 11-13). na Not available.

Sources: ABS, *Australian Industry*, cat. no. 8155.0, Canberra; ABS, *Mining Production, Australia*, cat. no. 8405.0, Canberra; ABS, *Australian Mining Industry*, cat. no. 8414.0, Canberra; ABS, *Mining Operations Australia*, cat. no. 8415.0, Canberra; state mines departments and their equivalents; ABARES.

Resources sector

34 Gross value of Australian mineral production, by state ^a

	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Northern Territory	Australia
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1971-72	445	310	357	514	104	88	48	1 867
1972-73	475	413	470	602	122	85	72	2 242
1973-74	600	434	600	740	109	120	105	2 710
1974-75	839	618	832	976	116	113	103	3 601
1975-76	1 033	888	1 102	1 064	144	151	151	4 536
1976-77	1 193	1 055	1 226	1 309	147	178	152	5 265
1977-78	1 267	1 398	1 176	1 256	166	211	141	5 618
1978-79	1 578	2 888	1 646	1 593	209	249	196	8 363
1979-80	1 625	4 046	1 937	2 042	225	282	326	10 487
1980-81	2 237	4 903	1 894	2 119	254	284	378	12 071
1981-82	2 381	5 036	2 228	2 614	305	277	506	13 348
1982-83	2 375	5 792	2 368	2 575	542	277	551	14 482 ^b
1983-84	2 707	6 652	2 892	3 170 ^c	782	237	697	17 457 ^b
1984-85	2 959	8 514	4 020 ^d	4 310 ^c	1 165	269 ^e	620	22 108 ^b
1985-86	3 151	5 131	4 185	5 096 ^c	1 016	336	805	19 720 ^b
1986-87	3 249	5 471	4 277	5 834	991	300	1 085	21 207 ^b
1987-88	3 392	3 979	4 164	6 296	1 049	356	1 047	20 281
1988-89	3 705	3 715	4 689	6 259	1 131	382 ^f	1 182	21 063 ^g
1989-90	4 524	4 019 ^h	5 381	8 819	1 231	496	1 663	26 133 ^h
1990-91	3 751	na ⁱ	4 961	9 761	na ⁱ	355	1 866	26 293
1991-92	3 721	na ⁱ	4 981	9 994	na ⁱ	361	1 493	25 985
1992-93	3 817	na ⁱ	5 519	10 286	na ⁱ	310	1 350	26 721
1993-94	3 863	na ⁱ	5 134	10 231	na ⁱ	327	1 028	25 702
1994-95	3 867	na ⁱ	5 283	11 835	na ⁱ	327	1 074	26 723
1995-96	4 027	na ⁱ	5 922	12 847	1 117	na	0	28 779
1996-97	4 688	3 265	6 425	14 231	1 029	387	1 306	31 358
1997-98	5 019	3 379	7 318	15 672	1 124	356	1 345	34 213
1998-99	5 291	2 471	8 217	15 438	1 053	446	1 266	34 182
1999-00	4 979	3 532	7 984	14 758	1 206	550	1 290	34 299
2000-01	7 031	4 050	10 910	26 272	2 130	504	1 374	52 270
2001-02	7 869	4 617	13 675	23 962	1 722	577	2 784	55 206
2002-03	6 797	4 510	12 388	25 301	1 683	536	2 470	53 685
2003-04	6 706	4 396	11 740	24 046	1 756	630	1 962	51 236
2004-05	9 197	5 187	16 907	30 626	2 425	706	2 883	67 931
2005-06	11 783	6 082	26 465	39 251	3 270	1 002	4 042	91 895
2006-07	12 268	6 163	27 229	49 927	3 410	1 173	6 047	106 216
2007-08	13 925	7 553	28 740	56 035	3 916	1 163	6 097	117 429
2008-09	na	na	na	na	na	na	na	na
2009-10	na	na	na	na	na	na	na	na

^a Gross value is ex mine. Before 1988-89, data compiled by the former Bureau of Mineral Resources on a calendar year basis; for 1988-89 and 1989-90, data compiled by ABARE on a financial year basis; and from 1990-91, data compiled by ABS from annual Mining Census data. Data to 1989-90 cover ASIC subdivisions 11-15; data for 1990-91 and 1991-92 cover ASIC subdivisions 11-14; data for 1992-93 cover ANZSIC subdivisions 11-14 (equivalent to ASIC subdivisions 11-15); and data for 1993-94 and 1994-95 cover ANZSIC subdivisions 11-13 (equivalent to ASIC subdivisions 11-14). Data from 1996-97 based on ABS mining collection, (equivalent to ANZSIC subdivisions 11-13). From 2001-02 ABS now applies a market price to the metallic content of production to obtain a valuation. ^b Includes items excluded from state totals for confidentiality reasons.

^c Excludes bauxite, limestone and talc. ^d Excludes limestone and salt. ^e Excludes iron oxide, molybdenum, and tin-copper concentrate. ^f Excludes clay, dolomite, limestone, peat and silica. ^g Excludes salt and silica for Victoria and clay, dolomite, limestone, peat and silica for Tasmania. ^h Excludes salt and silica for Victoria. ⁱ ABS confidentiality provisions apply; data not available for publication. na Not available.

Sources: ABS, Australian Industry, cat. no. 8155.0, Canberra; ABS, Mining Production, Australia, cat. no. 8405.0, Canberra; ABS, Australian Mining Industry, cat. no. 8414.0, Canberra; ABS, Mining Operations Australia, cat. no. 8415.0, Canberra; Bureau of Mineral Resources, Australian Mineral Industry Annual Review, AGPS, Canberra; state mines departments and their equivalents; ABARES.

35 Australian smelter and refinery production of mineral commodities

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Alumina	kt	16 413	16 690	17 161	17 826	18 506	19 359	19 597	20 057
Aluminium	kt	1 855	1 877	1 890	1 912	1 954	1 964	1 974	1 918
Blister copper a	kt	469	389	434	404	389	395	459	379
Copper	kt	537	458	486	461	435	444	499	392
Gold e	t								
Australian origin	t	251	246	227	209	208	190	179	194
Overseas origin	t	65	80	76	66	55	58	74	69
Lead bullion a	kt	181	143	153	141	114	152	155	148
Lead b	kt	267	247	234	234	191	203	213	189
Nickel matte	kt	39	49	48	47	57	45	21	33
Nickel c	kt	128	124	127	115	118	121	111	114
Petroleum									
Automotive diesel oil	ML	13 335	12 544	12 822	10 154	11 055	12 177	12 231	11 720
Automotive gasoline	ML	17 984	17 375	17 913	16 528	17 732	17 079	17 159	16 771
Aviation turbine fuel	ML	5 149	4 964	5 325	5 216	5 332	5 182	5 494	5 341
Fuel oil	ML	1 441	1 105	1 092	1 048	942	979	872	846
Raw steel d	kt	9 399	9 430	7 395	7 866	8 010	8 151	5 568	6 886
Silver	t	672	619	722	655	618	606	751	701
Tin	t	708	553	445	736	321	na	na	na
Zinc	kt	571	499	464	446	496	507	506	515

a Metallic content. **b** Includes lead content of lead alloys from primary sources. **c** Includes nickel contained in metal and nickel oxide. **d** Includes recovery from scrap. **e** Includes refined gold from primary sources only. na Not available.

Sources: DRET; ABARES.

36 Prices of mineral commodities

	Alumina av. export unit value A\$/t	Aluminium (high grade) LME cash US\$/t	Gold London AM fix US\$/oz	Iron ore ^a av. export unit value A\$/t	Thermal coal av. export unit value A\$/t	Metallurgical coal av. export unit value A\$/t	Crude oil ^b world trade weighted average US\$/bbl	Uranium ^c Nuexco exch. value US\$/lb
1991-92	241.73	1 232.00	351.93	26.74	48.48	61.55	17.76	8.08
1992-93	242.11	1 198.85	343.69	26.91	50.00	65.38	17.74	9.68
1993-94	224.36	1 204.25	378.93	24.28	47.84	61.97	14.45	9.74
1994-95	216.31	1 763.59	384.37	21.53	44.12	55.88	16.83	10.17
1995-96	247.36	1 662.53	389.89	22.70	49.29	61.30	17.44	13.73
1996-97	236.49	1 513.46	363.82	22.94	46.49	61.18	20.30	14.12
1997-98	274.06	1 511.29	306.07	26.66	48.25	68.30	15.03	11.29
1998-99	263.13	1 276.42	285.90	28.44	44.76	64.18	12.31	10.10
1999-00	297.80	1 515.73	281.60	25.54	39.43	53.54	24.05	9.42
2000-01	354.29	1 539.00	269.45	31.16	47.78	62.51	26.82	7.88
2001-02	314.25	1 358.75	289.08	33.05	57.51	75.95	21.59	9.59
2002-03	277.97	1 360.23	334.19	29.44	44.50	69.09	26.26	10.22
2003-04	278.60	1 569.05	389.28	27.09	40.98	58.26	29.33	14.90
2004-05	311.47	1 806.85	422.49	35.54	59.55	86.12	41.18	22.20
2005-06	362.90	2 244.69	526.95	53.70	65.02	141.13	57.25	36.79
2006-07	414.63	2 692.18	638.56	60.27	60.54	113.96	59.45	81.17
2007-08	369.08	2 665.02	823.35	69.70	72.70	117.14	91.97	80.75
2008-09	366.90	1 781.42	873.99	105.83	131.16	293.94	66.05	51.25
2009-10	298.39	2 017.16	1 091.75	88.53	88.05	155.95	72.74	43.81
	Copper (high grade) LME cash US\$/t	Zinc (high grade) LME cash US\$/t	Silver ^d London fix US\$/troy oz	Nickel LME cash US\$/t	Ilmenite ^e av. export unit value A\$/t	Rutile ^f av. export unit value A\$/t	Zircon ^g av. export unit value A\$/t	
1991-92	2 253.00	527.00	1 164.00	407.25	7 578.00	82.94	629.07	317.90
1992-93	2 193.80	487.00	1 114.00	387.69	6 127.63	79.72	545.46	193.28
1993-94	1 893.00	439.00	937.00	498.94	5 260.56	83.36	536.07	206.43
1994-95	2 765.59	613.00	1 045.00	516.48	7 445.99	86.16	568.94	295.34
1995-96	2 739.51	721.00	1 022.00	537.13	8 212.34	92.56	672.57	495.70
1996-97	2 264.68	707.00	1 124.00	492.74	7 223.57	99.42	733.81	601.80
1997-98	1 903.38	568.26	1 227.00	543.87	5 812.46	106.87	773.46	582.65
1998-99	1 514.50	513.47	998.18	516.15	4 507.14	116.97	789.31	513.74
1999-00	1 737.81	464.94	1 143.59	520.45	8 257.38	133.39	732.15	481.89
2000-01	1 786.51	476.14	1 049.66	466.71	7 244.08	152.06	849.08	607.62
2001-02	1 516.15	473.60	791.40	441.55	5 922.50	150.76	882.09	702.47
2002-03	1 595.11	445.04	774.77	461.00	7 665.37	132.51	767.87	633.61
2003-04	2 267.35	700.06	961.97	579.25	12 256.83	104.56	647.39	585.76
2004-05	3 151.00	964.08	1 170.95	694.94	14 960.64	99.29	717.20	746.27
2005-06	5 062.44	1 061.35	2 117.81	927.82	15 510.32	105.92	816.59	908.63
2006-07	7 086.78	1 694.20	3 672.41	1 274.16	37 908.78	112.89 ^s	845.61	861.55
2007-08	7 791.21	2 892.53	2 598.83	1 544.29	28 564.32	116.32 ^s	693.21	660.98
2008-09	4 935.58	1 454.07	1 400.89	1 289.13	13 322.04	111.12 ^s	609.23	788.70
2009-10	6 551.50	2 092.71	2 000.75	1 688.07	19 390.25	111.78 ^s	664.64	494.19

^a Lump and fines. ^b US Department of Energy, Energy Information Administration. ^c Nuexco exchange value to 1997-98; Ux Consulting Industry spot price from 1998-99. ^d London fix rate from May 2001; Handy and Harman, commercial bar, minimum 99.9 per cent prior to May 2001. ^e All grades, bulk and bagged, before January 1992; bulk only thereafter. ^f All grades before August 1999; bagged only thereafter. ^g All grades, bulk and bagged, to 31 December 1991; standard grade only from 1 January 1992 to 30 June 1993; all grades to September 1999; bagged only thereafter. ^s ABARES estimate.

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra; London Metal Exchange; London Bullion Market Association; US Energy Information Administration; The UX Consulting Company; ABARES.

37 Exports and imports of Australian mineral resources ^a

	Exports ^a						
	Metalliferous						
	Coal, coke and briquettes	Other mineral fuels	ores and other minerals ^b	Gold	Other metals	Total	Imports ^c
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1970-71	206	41	789	20	374	1 430	208
1971-72	240	60	810	20	415	1 545	187
1972-73	294	46	931	25	513	1 809	223
1973-74	352	105	1 116	35	638	2 246	590
1974-75	733	162	1 595	46	884	3 420	661
1975-76	1 066	161	1 831	50	761	3 869	723
1976-77	1 292	206	2 243	34	1 038	4 813	922
1977-78	1 489	234	2 400	48	1 040	5 211	1 021
1978-79	1 531	316	2 616	80	1 385	5 928	1 305
1979-80	1 686	427	3 306	113	1 868	7 400	2 157
1980-81	1 981	517	3 409	56	1 517	7 480	2 372
1981-82	2 367	903	3 456	94	1 469	8 289	3 144
1982-83	3 049	1 099	3 852	290	1 768	10 058	2 121
1983-84	3 477	1 502	4 229	400	1 916	11 524	2 066
1984-85	4 591	2 294	4 974	601	2 492	14 952	2 029
1985-86	5 204	2 214	5 309	1 137	2 421	16 285	1 537
1986-87	5 361	1 564	5 494	2 047	2 933	17 399	1 910
1987-88	4 866	1 786	6 358	3 107	3 863	19 980	2 772
1988-89	4 805	1 259	7 187	3 021	4 924	21 196	3 666
1989-90	5 932	2 068	8 348	3 764	4 820	24 932	4 319
1990-91	6 480	3 595	8 932	4 136	4 887	28 030	4 969
1991-92	6 949	3 402	8 477	4 605	4 871	28 304	4 908
1992-93	7 620	3 912	8 312	4 580	5 331	29 755	6 237
1993-94	7 255	3 351	8 233	5 520	5 517	29 877	5 786
1994-95	6 937	3 794	8 448	4 907	6 281	30 367	6 114
1995-96	7 840	4 159	9 614	5 849	6 975	34 437	6 701
1996-97	8 006	5 152	9 803	6 877	6 210	36 048	7 356
1997-98	9 587	5 307	11 373	7 227	7 418	40 912	8 554
1998-99	9 289	4 458	11 635	6 719	7 109	39 210	8 969
1999-00	8 335	9 080	12 361	6 597	9 110	45 482	12 063
2000-01	10 843	13 463	15 839	6 222	11 353	57 720	14 278
2001-02	13 423	10 942	15 286	6 645	10 904	57 200	13 552
2002-03	11 990	11 043	15 361	7 648	10 960	57 002	16 087
2003-04	11 000	8 778	15 439	7 031	11 502	53 751	15 391
2004-05	17 240	11 154	20 535	6 472	13 159	68 561	20 877
2005-06	24 352	13 220	29 772	9 087	14 863	91 294	29 922
2006-07	21 928	15 641	36 041	10 740	22 330	106 680	31 698
2007-08	24 599	18 889	41 964	12 272	18 453	116 177	42 479
2008-09	54 957	20 707	52 691	17 508	14 358	160 221	47 098
2009-10	36 460	19 026	53 721	14 302	13 686	137 195	39 669

^a Balance of payments basis. ^b Includes ABARE estimates for bauxite, manganese and other ABS confidential minerals from 1984-85 until 1989-90. From 1990-91, ABS data include actual details for these items. ABARE estimates for items not classified as mineral resources by ABS are included for all years since 1984-85. ^c Pre 1987-88 reported on a calendar year basis. (example, 1987-88 = 1988). Post 1987-88 reported on a fiscal year basis.

Sources: ABS, *Balance of Payments, Australia*, cat. nos 5302.0 and 5303.0, Canberra; Bureau of Mineral Resources, *Australian Mineral Industry Annual Review*, AGPS, Canberra; ABARES.

38 Volume of Australian exports of mineral commodities

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Alumina	kt	13 572	14 073	14 499	15 056	15 739	16 395	16 653
Aluminium (ingot metal)	kt	1 546	1 512	1 617	1 638	1 650	1 748	1 624
Coal, black								
Metallurgical	Mt	112	125	120	132	137	125	157
Thermal	Mt	107	106	111	112	115	136	135
Copper ^s	kt	652	701	790	699	732	815	806
Diamonds ^s	'000 ct	24 326	32 471	25 354	24 632	16 528	16 279	10 355
Gold, refined	t	315	309	315	400	382	437	335
Iron and steel								
Iron ore and pellets	Mt	195	228	239	257	294	324	390
Iron and steel	kt	3 818	2 338	2 428	2 648	2 131	1 741	1 568
Ferroalloys	kt	8	0	2	5	1	3	4
Lead ^s	kt	688	782	756	635	588	645	657
Magnesia	t	154 620	162 763	157 342	139 787	161 531	108 806	131 264
Manganese ore and concentrate ^s	kt	2 603	3 128	3 215	4 667	5 105	3 226	5 648
Petroleum								
Crude oil and other refinery feedstock	ML	17 526	15 731	13 026	15 965	15 975	16 588	18 064
LNG ^s	Mt	8	11	12	14	14	15	18
LPG	ML	2 916	2 844	2 800	2 824	2 589	2 500	2 776
Refinery products	ML	2 474	1 846	2 082	1 752	1 807	1 164	858
Salt	kt	10 285	12 128	10 776	10 749	10 686	10 978	11 185
Silver, refined bullion	t	415	517	482	431	335	423	420
Tin ^s	t	143	1 529	1 556	1 867	3 079	4 159	6 031
Titanium minerals								
Ilmenite concentrate ^a	kt	783	633	722	999	894	1 538	1 763
Leucoxene	kt	125	93	86	123	56	20	18
Rutile concentrate	kt	146	158	169	307	399	550	575
Synthetic rutile ^s	kt	470	517	472	508	513	512	513
Titanium dioxide pigment	kt	165	175	177	171	175	141	181
Uranium oxide (U_3O_8)	t	9 099	11 249	10 253	9 519	10 139	10 114	7 156
Zinc ^s	kt	1 369	1 427	1 328	1 321	1 507	1 471	1 487
Zircon concentrate ^b	kt	443	428	438	555	637	685	748

^a Bulk only. ^b All grades. ^s ABARES estimate.Sources: ABARES, *Australian Mineral Statistics*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

39 Value of Australian exports of mineral commodities

	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Bauxite s	125	118	90	108	206	192	178
Alumina a	3 781	4 383	5 262	6 243	5 809	6 015	4 969
Aluminium (ingot metal)	3 441	3 726	4 788	5 650	4 967	4 724	3 838
Coal, black							
Metallurgical	6 510	10 758	17 003	15 039	16 038	36 813	24 526
Thermal	4 372	6 336	7 206	6 758	8 365	17 885	11 884
Copper b	2 166	3 082	5 653	6 526	6 730	5 863	6 490
Diamonds cs	597	683	836	726	625	676	345
Gems, other than diamonds	64	61	59	49	52	43	40
Gold, refined	5 510	5 523	7 089	10 320	10 903	16 146	12 996
Iron and steel							
Iron ore and pellets	5 277	8 120	12 854	15 512	20 511	34 239	34 516
Iron and steel	2 004	2 031	1 674	1 743	1 562	1 363	1 120
Lead b	728	1 041	1 296	1 579	2 027	1 637	1 812
Magnesia	51	54	75	66	72	82	61
Manganese ore and concentrate s	371	473	424	482	1 532	1 406	1 395
Nickel s	3 277	3 749	3 642	8 469	5 655	2 717	3 586
Petroleum							
Crude oil and other refinery feedstock	5 055	6 330	6 638	8 317	10 484	8 757	9 534
LNG	2 174	3 199	4 416	5 222	5 854	10 079	7 789
LPG	647	804	1 002	1 038	1 182	1 044	1 105
Refinery products	918	844	1 195	1 098	1 323	788	566
Salt	186	226	229	239	232	237	247
Silver d	118	161	197	221	187	245	254
Tin b	1	8	12	25	42	70	101
Titanium minerals							
Ilmenite concentrate e	82	63	76	113	104	171	197
Leucoxene concentrate	33	25	25	35	15	12	11
Rutile concentrate	94	114	138	259	277	335	382
Synthetic rutile s	253	306	321	361	305	258	269
Titanium dioxide pigment	399	422	441	408	375	396	448
Uranium oxide (U_3O_8)	364	475	546	660	887	990	751
Zinc b	1 234	1 466	2 540	4 298	3 350	1 858	2 218
Zircon concentrate f	260	319	398	478	421	540	370
Other mineral resources	3 709	3 712	5 241	4 700	6 148	4 716	5 249
Total mineral resources g	53 751	68 561	91 294	106 680	116 177	160 221	137 195

a Includes aluminium hydroxide. **b** Value of all ores, concentrates, intermediate products (where applicable) and refined metal. **c** Unsorted and sorted. **d** Includes refined bullion, powder, unwrought silver and semimanufactured forms. **e** Bulk ilmenite. **f** All grades. **g** Total mineral resources exports on an ABARES balance of payments basis. **s** ABARES estimate.

Sources: ABARES, *Australian Mineral Statistics*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Resources sector

40 Value of Australian exports of minerals, by destination ▲

	1994-95 \$m	1995-96 \$m	1996-97 \$m	1997-98 \$m	1998-99 \$m	1999-00 \$m	2000-01 \$m	2001-02 \$m
Africa	113	119	165	231	180	153	263	364
Americas								
United States	641	485	742	1 931	1 227	1 798	2 109	1 585
Other	364	388	404	544	582	564	676	827
Asia								
China	739	1 046	1 213	1 498	1 626	2 036	2 769	2 990
Chinese Taipei	1 617	1 897	1 953	2 566	2 599	2 956	4 039	3 159
Hong Kong, China	847	883	1 052	1 693	1 108	1 011	1 266	1 374
India	669	816	785	921	1 195	949	1 305	1 732
Japan	9 355	9 176	9 077	10 545	10 008	11 337	15 034	14 855
Korea, Rep. of	3 306	4 708	5 241	4 520	4 420	4 647	5 958	6 162
Singapore	2 163	1 817	1 597	1 920	1 694	3 260	4 061	2 803
Other	2 438	2 627	2 610	2 106	1 821	2 287	2 786	2 807
Europe								
France	262	260	265	294	380	309	443	521
Germany	370	398	406	478	416	383	421	381
Netherlands	368	178	156	279	347	463	795	766
United Kingdom	498	791	581	1 097	2 456	1 537	1 469	2 009
Other European Union	803	894	908	1 173	1 306	1 172	1 452	1 743
Other Europe	209	478	237	1 000	332	185	155	91
Oceania								
New Zealand	520	700	818	739	719	858	989	1 207
Other	398	495	549	511	407	550	860	525
Other	4 205	5 615	4 868	5 448	5 560	6 815	8 201	8 261
Total	29 838	33 728	33 594	39 465	38 360	43 253	55 040	54 151
	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Africa	415	440	409	631	574	416	768	567
Americas								
United States	1 435	1 141	1 167	1 198	1 239	2 007	2 215	1 665
Other	900	592	660	1 814	1 588	1 332	2 589	2 004
Asia								
China	3 569	4 550	6 789	10 970	13 201	19 567	33 156	37 733
Chinese Taipei	2 653	2 162	3 165	4 100	4 716	4 906	5 952	5 066
Hong Kong, China	991	746	768	908	1 064	710	696	611
India	1 981	4 091	5 156	6 421	8 843	8 444	13 902	14 904
Japan	14 355	12 533	16 963	23 853	24 930	27 194	43 996	31 172
Korea, Rep. of	5 743	5 175	6 211	8 344	9 552	10 902	17 088	13 330
Singapore	2 791	1 540	1 629	2 391	2 932	3 040	3 062	2 772
Other	2 637	3 082	5 064	5 814	7 822	8 263	7 749	6 980
Europe								
France	427	348	479	683	701	583	841	623
Germany	325	297	334	492	540	479	1 246	945
Netherlands	644	626	913	1 555	1 627	1 391	1 669	941
United Kingdom	2 852	1 857	1 780	3 543	2 822	5 254	8 669	5 115
Other European Union	1 402	1 365	1 714	3 033	4 053	3 861	3 425	2 065
Other Europe	186	124	179	106	1 034	863	400	130
Oceania								
New Zealand	1 102	941	1 528	1 154	1 689	1 667	1 153	856
Other	516	369	469	740	610	612	511	615
Other	7 214	6 477	7 563	8 772	10 492	10 898	10 449	6 903
Total	52 125	48 456	62 941	86 523	100 026	112 388	159 537	134 998

▲ Not on a balance of payments basis; totals differ from earlier tables.

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

41 Volume of Australian imports of mineral commodities

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Clays	kt	61	47	68	63	70	55	64
Diamonds a	'000 ct	2 229	2 168	4 098	3 430	2 964	767	1 024
Iron and steel								
Iron ore and pellets b	kt	5 417	4 648	5 026	4 722	4 401	3 599	5 094
Iron and steel	kt	1 583	2 116	2 191	2 318	1 848	2 082	1 736
Ferroalloys	kt	57	60	57	87	97	54	71
Limestone	kt	547	473	475	567	693	451	682
Magnesium	kt	9	7	8	8	9	7	6
Petroleum								
Crude oil and other refinery feedstock	ML	23 499	26 056	24 418	25 345	26 223	24 302	27 284
Natural gas s	kt	0	0	953	4 268	4 032	4 752	4 149
Other refinery products s	ML	10 542	11 188	14 172	14 018	17 982	19 697	19 970
Phosphate rock	kt	723	797	655	472	707	540	85
Platinum and platinum group metals	kg	2 984	2 391	2 097	4 571	2 518	1 203	2 461
Potassium fertiliser	kt	447	497	404	306	465	331	274
Sulphur	kt	25	55	33	37	206	77	3

a Includes sorted and unsorted, gem and industrial diamonds, and diamond dust and powder. **b** Includes limonite ore used for the production of refined nickel products. **c** Includes automotive diesel oil and industrial marine diesel fuel. **s** ABARES estimate.

Sources: ABARES, *Australian Mineral Statistics*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

42 Value of Australian imports of mineral commodities

	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	\$m						
Clays	19	16	17	16	18	18	14
Diamonds a	309	347	403	397	444	417	442
Gold b	2 559	2 462	4 800	5 309	7 311	11 250	7 739
Iron and steel							
Iron ore and pellets c	140	145	222	338	311	269	260
Iron and steel	1 353	2 041	2 075	2 479	2 225	3 191	1 888
Ferroalloys	71	137	123	116	154	181	118
Limestone	9	7	7	8	8	8	10
Magnesium	21	17	16	20	30	35	18
Petroleum							
Crude oil and other refinery feedstock	6 595	9 996	12 822	13 360	17 149	14 727	15 031
Natural gas s	0	0	152	800	724	2 166	1 219
Other refinery products s	3 594	5 121	8 608	7 784	12 730	13 129	11 299
Phosphate rock	41	49	42	32	80	193	10
Platinum and platinum group metals	86	59	70	186	111	29	92
Potassium fertiliser	94	106	112	85	165	355	143
Silver	70	30	33	98	80	223	107
Sulphur	59	47	45	34	101	152	29
Total	15 435	20 941	29 986	31 782	42 588	47 229	39 745

a Includes sorted and unsorted, gem and industrial diamonds, and diamond dust and powder. **b** Refined and unrefined bullion. **c** Includes value of limonite ore used for the production of refined nickel products. **d** Includes automotive diesel oil and industrial and marine diesel fuel. **s** ABARES estimate.

Sources: ABARES, *Australian Mineral Statistics*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.



Rural commodities

2010

Coarse grains

43 Summary of Australian statistics for coarse grains ^a

Area '000 ha	Yield t/ha	Production		Exports ^b	
		Volume kt	Value \$m	Volume kt	Value \$m
1964-65	2 476	1.11	2 760	125	735
1965-66	2 710	0.87	2 371	120	478
1966-67	3 019	1.28	3 850	180	872
1967-68	2 693	0.75	2 023	97	330
1968-69	3 185	1.19	3 799	152	853
1969-70	3 334	1.10	3 684	134	905
1970-71	4 191	1.31	5 474	233	2 218
1971-72	4 492	1.29	5 782	223	3 177
1972-73	3 891	0.93	3 620	190	1 663
1973-74	3 664	1.27	4 671	347	1 742
1974-75	3 285	1.35	4 424	404	2 884
1975-76	3 868	1.44	5 575	500	3 148
1976-77	3 901	1.29	5 019	464	3 327
1977-78	4 318	0.98	4 218	347	1 939
1978-79	4 663	1.51	7 063	555	2 850
1979-80	4 199	1.48	6 215	667	4 467
1980-81	4 284	1.22	5 209	701	2 764
1981-82	4 847	1.38	6 687	799	3 459
1982-83	4 527	0.88	3 966	562	1 805
1983-84	5 794	1.64	9 497	1 239	4 548
1984-85	5 523	1.59	8 769	1 156	6 466
1985-86	5 306	1.53	8 113	974	5 838
1986-87	4 436	1.58	6 989	801	3 693
1987-88	4 576	1.57	7 162	906	2 505
1988-89	4 292	1.57	6 734	1 041	2 466
1989-90	3 919	1.79	7 005	1 086	3 336
1990-91	4 127	1.64	6 766	870	3 310
1991-92	4 624	1.75	8 109	1 151	2 728
1992-93	4 690	1.78	8 361	1 176	3 324
1993-94	5 042	1.96	9 864	1 241	2 320
1994-95	4 258	1.30	5 534	1 125	2 642
1995-96	5 294	1.90	10 070	2 050	4 099
1996-97	5 376	2.02	10 845	1 978	4 814
1997-98	5 388	1.87	10 099	1 601	3 398
1998-99	5 113	2.09	10 709	1 419	5 067
1999-00	4 244	2.22	9 435	1 401	4 062
2000-01	5 326	2.05	10 914	1 952	4 629
2001-02	5 806	2.25	13 049	2 583	5 752
2002-03	5 900	1.17	6 924	1 650	3 766
2003-04	6 817	2.29	15 629	2 562	5 784
2004-05	6 756	1.79	12 064	1 849	7 188
2005-06	6 562	2.18	14 291	2 131	5 684
2006-07	6 216	1.08	6 727	1 658	3 255
2007-08	7 510	1.77	13 289	3 736	4 429
2008-09	7 039	1.79	12 587	2 853	5 560
2009-10	6 236	1.85	11 560	2 170	4 995

^a Barley, oats, sorghum and maize. Includes triticale from 1979-80. ^b Including grains and the grain equivalent of malt exported.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities produced, Australia*, cat. no. 7503.0, Canberra; ABARES.

44 Australian coarse grains area, yield and production, by state ^a

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia b
Barley								
Area								
2003-04	'000 ha	951	872	151	1 278	1 216	9	4 477
2004-05	'000 ha	1 023	924	97	1 313	1 280	8	4 646
2005-06	'000 ha	1 102	866	129	1 129	1 170	9	4 406
2006-07	'000 ha	902	913	81	1 083	1 193	7	4 182
2007-08	'000 ha	1 049	1 107	113	1 381	1 244	8	4 902
2008-09	'000 ha	977	1 136	92	1 559	1 240	11	5 015
2009-10	'000 ha	972	985	69	1 400	1 012	9	4 446
Yield								
2003-04	t/ha	2.06	2.61	1.74	2.48	2.21	3.11	2.32
2004-05	t/ha	1.72	1.41	1.84	1.90	1.55	3.50	1.67
2005-06	t/ha	2.12	2.31	1.29	2.13	2.18	3.11	2.15
2006-07	t/ha	0.83	0.66	0.98	1.67	0.83	2.29	1.02
2007-08	t/ha	0.78	1.62	1.27	1.97	1.34	2.75	1.46
2008-09	t/ha	1.48	1.29	1.88	1.93	1.51	2.64	1.59
2009-10	t/ha	1.29	1.92	1.64	1.82	2.05	3.00	1.78
Production								
2003-04	kt	1 955	2 275	263	3 170	2 691	28	10 382
2004-05	kt	1 761	1 305	178	2 489	1 979	28	7 740
2005-06	kt	2 336	2 003	166	2 400	2 549	28	9 482
2006-07	kt	753	605	79	1 808	996	16	4 257
2007-08	kt	814	1 789	143	2 719	1 672	22	7 160
2008-09	kt	1 449	1 461	173	3 007	1 877	29	7 997
2009-10	kt	1 254	1 891	113	2 552	2 071	27	7 909
Oats								
Area								
2003-04	'000 ha	449	194	9	344	89	4	1 089
2004-05	'000 ha	400	150	21	243	76	4	894
2005-06	'000 ha	416	151	16	271	72	4	931
2006-07	'000 ha	390	176	24	299	106	4	1 003
2007-08	'000 ha	464	211	20	397	142	4	1 238
2008-09	'000 ha	273	191	7	295	100	4	870
2009-10	'000 ha	314	167	13	268	99	4	865
Yield								
2003-04	t/ha	1.36	2.61	0.54	2.19	1.55	1.61	1.85
2004-05	t/ha	1.07	1.90	0.46	1.89	1.18	2.28	1.43
2005-06	t/ha	1.52	2.17	0.48	2.19	1.66	1.98	1.81
2006-07	t/ha	0.29	0.76	0.15	1.47	0.48	0.94	0.75
2007-08	t/ha	0.42	1.59	0.58	2.12	0.81	1.88	1.21
2008-09	t/ha	0.96	1.24	1.00	1.93	0.81	1.62	1.33
2009-10	t/ha	0.70	1.78	0.38	1.89	1.47	1.75	1.36
Production								
2003-04	kt	610	507	5	752	137	7	2 018
2004-05	kt	429	285	10	460	90	9	1 282
2005-06	kt	633	328	8	591	120	9	1 688
2006-07	kt	115	134	4	441	52	3	748
2007-08	kt	193	335	12	840	115	8	1 502
2008-09	kt	261	236	7	568	81	6	1 160
2009-10	kt	219	297	5	506	146	7	1 180

Continued

Coarse grains

44 Australian coarse grains area, yield and production, by state a continued

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia <small>b</small>
Sorghum								
Area								
2003-04	'000 ha	212	2	519	1	0	0	734
2004-05	'000 ha	211	0	544	0	0	0	755
2005-06	'000 ha	328	1	435	2	0	0	766
2006-07	'000 ha	162	1	449	0	0	0	613
2007-08	'000 ha	279	1	661	1	0	0	942
2008-09	'000 ha	227	2	538	0	0	0	767
2009-10	'000 ha	169	0	346	1	0	0	516
Yield								
2003-04	t/ha	3.34	1.00	2.50	1.00	0.00	0.00	2.74
2004-05	t/ha	4.01	0.00	2.14	0.00	0.00	0.00	2.66
2005-06	t/ha	2.70	1.00	2.38	1.50	na	0.00	2.52
2006-07	t/ha	2.38	1.00	2.00	0.00	0.00	0.00	2.09
2007-08	t/ha	4.55	0.00	3.81	2.00	na	na	4.02
2008-09	t/ha	4.05	0.44	3.29	na	na	na	3.51
2009-10	t/ha	3.69	na	2.82	0.00	na	na	3.10
Production								
2003-04	kt	709	2	1 296	1	0	0	2 009
2004-05	kt	847	0	1 164	0	0	0	2 011
2005-06	kt	886	1	1 036	3	0	0	1 929
2006-07	kt	385	1	896	0	0	0	1 283
2007-08	kt	1 270	0	2 519	2	0	0	3 790
2008-09	kt	919	1	1 771	1	0	0	2 692
2009-10	kt	623	0	975	0	0	0	1 598
Maize								
Area								
2003-04	'000 ha	22	1	48	1	0	0	72
2004-05	'000 ha	25	1	46	0	0	0	72
2005-06	'000 ha	31	2	34	1	0	0	67
2006-07	'000 ha	20	0	27	1	0	0	49
2007-08	'000 ha	20	1	45	2	0	0	68
2008-09	'000 ha	14	0	49	0	0	0	65
2009-10	'000 ha	20	1	37	1	0	0	59
Yield								
2003-04	t/ha	8.09	7.00	4.40	0.00	na	na	5.52
2004-05	t/ha	9.68	2.00	3.76	na	na	na	5.83
2005-06	t/ha	6.92	10.00	3.78	3.39	0.00	0.00	5.39
2006-07	t/ha	7.03	7.78	3.40	1.71	na	na	4.92
2007-08	t/ha	8.80	7.00	4.40	3.00	na	na	5.69
2008-09	t/ha	7.98	6.67	5.17	7.39	0.00	1.30	5.82
2009-10	t/ha	8.60	6.31	3.95	3.61	na	na	5.56
Production								
2003-04	kt	178	7	211	0	0	0	395
2004-05	kt	242	2	173	1	0	0	420
2005-06	kt	212	19	129	2	0	0	362
2006-07	kt	143	3	92	1	0	0	239
2007-08	kt	176	7	198	6	0	0	387
2008-09	kt	115	3	255	2	0	0	376
2009-10	kt	172	6	146	4	0	0	328

Continued

44

Australian coarse grains area, yield and production, by state ^a continued

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^b
Triticale								
Area								
2003-04	'000 ha	135	141	3	42	122	2	445
2004-05	'000 ha	126	125	1	42	93	2	389
2005-06	'000 ha	141	121	1	43	83	2	392
2006-07	'000 ha	166	94	1	35	71	2	369
2007-08	'000 ha	125	111	1	34	86	2	360
2008-09	'000 ha	109	91	0	53	68	2	323
2009-10	'000 ha	122	108	1	33	84	2	350
Yield								
2003-04	t/ha	2.18	2.09	0.67	1.74	1.25	4.00	1.85
2004-05	t/ha	2.25	1.60	1.40	1.12	0.78	3.00	1.57
2005-06	t/ha	2.65	2.17	1.15	1.40	1.52	3.71	2.12
2006-07	t/ha	0.41	0.56	1.33	1.03	0.55	2.15	0.54
2007-08	t/ha	1.47	1.33	0.72	1.12	0.86	2.69	1.25
2008-09	t/ha	1.39	0.98	0.00	1.33	0.70	2.04	1.12
2009-10	t/ha	1.83	1.66	0.90	1.40	1.07	3.35	1.56
Production								
2003-04	kt	294	295	2	73	153	8	825
2004-05	kt	284	200	1	47	73	6	611
2005-06	kt	374	262	1	60	126	7	830
2006-07	kt	67	53	1	36	39	3	199
2007-08	kt	184	147	1	38	74	6	450
2008-09	kt	152	89	0	70	48	5	363
2009-10	kt	223	179	1	47	90	7	545
Total coarse grains								
Area								
2003-04	'000 ha	1 769	1 210	730	1 665	1 427	15	6 817
2004-05	'000 ha	1 785	1 200	709	1 598	1 449	14	6 756
2005-06	'000 ha	2 018	1 141	615	1 445	1 325	15	6 562
2006-07	'000 ha	1 641	1 185	582	1 418	1 371	12	6 216
2007-08	'000 ha	1 938	1 430	840	1 815	1 472	14	7 510
2008-09	'000 ha	1 601	1 420	686	1 907	1 408	17	7 039
2009-10	'000 ha	1 597	1 261	466	1 703	1 195	15	6 236
Yield								
2003-04	t/ha	2.12	2.55	2.43	2.40	2.09	2.82	2.29
2004-05	t/ha	2.00	1.49	2.15	1.88	1.48	3.08	1.79
2005-06	t/ha	2.20	2.29	2.18	2.11	2.11	2.86	2.18
2006-07	t/ha	0.89	0.67	1.84	1.61	0.79	1.87	1.08
2007-08	t/ha	1.36	1.59	3.42	1.99	1.26	2.49	1.77
2008-09	t/ha	1.81	1.26	3.21	1.91	1.42	2.33	1.79
2009-10	t/ha	1.56	1.88	2.66	1.82	1.93	2.71	1.85
Production								
2003-04	kt	3 746	3 086	1 777	3 996	2 981	43	15 629
2004-05	kt	3 563	1 792	1 526	2 997	2 142	43	12 064
2005-06	kt	4 441	2 613	1 340	3 056	2 795	43	14 291
2006-07	kt	1 463	796	1 072	2 286	1 086	23	6 727
2007-08	kt	2 637	2 278	2 873	3 605	1 861	35	13 289
2008-09	kt	2 896	1 790	2 206	3 648	2 006	40	12 587
2009-10	kt	2 491	2 373	1 240	3 108	2 307	41	11 560

^a Crops sown for grain. ^b State and Australian totals may not be equal as a result of rounding and the inclusion of data for the Australian Capital Territory.

Sources: ABARES, *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.

45 Summary of Australian statistics for barley

Area '000 ha	Yield t/ha	Production		Exports ^a	
		Volume kt	Value \$m	Volume kt	Value \$m
1964-65	835	1 119	56	369	18
1965-66	930	949	48	227	12
1966-67	1 011	1 397	74	425	22
1967-68	1 057	835	42	129	7
1968-69	1 341	1 646	71	451	18
1969-70	1 521	1 698	66	631	23
1970-71	2 000	2 351	111	1 123	51
1971-72	2 535	3 065	124	1 817	74
1972-73	2 140	1 727	91	804	39
1973-74	1 894	2 397	190	808	69
1974-75	1 826	2 515	257	1 760	187
1975-76	2 329	3 179	314	1 963	201
1976-77	2 321	2 847	295	2 100	223
1977-78	2 803	2 383	205	1 325	122
1978-79	2 785	4 006	339	2 028	174
1979-80	2 481	3 703	450	3 406	407
1980-81	2 451	2 682	381	2 076	341
1981-82	2 685	3 450	463	2 021	340
1982-83	2 452	0.79	1 939	1 262	225
1983-84	3 109	1.57	4 890	3 468	583
1984-85	3 518	1.58	5 554	4 341	665
1985-86	3 284	1.48	4 868	4 490	610
1986-87	2 274	1.56	3 548	2 637	351
1987-88	2 346	1.46	3 417	1 863	293
1988-89	2 190	1.48	3 242	1 910	355
1989-90	2 310	1.75	4 044	2 917	603
1990-91	2 555	1.61	4 108	2 914	512
1991-92	2 744	1.65	4 530	2 393	435
1992-93	2 947	1.83	5 397	2 825	532
1993-94	3 424	1.95	6 668	1 903	375
1994-95	2 470	1.18	2 913	2 429	413
1995-96	3 111	1.87	5 823	3 451	876
1996-97	3 367	1.99	6 696	4 370	999
1997-98	3 521	1.84	6 482	2 982	726
1998-99	3 167	1.89	5 987	4 715	877
1999-00	2 596	1.94	5 032	3 834	822
2000-01	3 454	1.95	6 743	4 146	1 101
2001-02	3 707	2.23	8 280	4 990	1 278
2002-03	3 864	1.00	3 865	3 464	955
2003-04	4 477	2.32	10 382	5 310	1 239
2004-05	4 646	1.67	7 740	6 500	1 275
2005-06	4 406	2.15	9 482	5 316	1 108
2006-07	4 182	1.02	4 257	3 136	833
2007-08	4 902	1.46	7 160	4 051	1 496
2008-09	5 015	1.59	7 997	3 898	1 321
2009-10	4 446	1.78	7 909	4 256	1 098

^a Including grains and the grain equivalent of malt exported.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities produced, Australia*, cat. no. 7503.0, Canberra; ABARES.

46 Summary of Australian statistics for oats

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1964-65	1 415	0.90	1 271	51	366	16
1965-66	1 525	0.72	1 102	53	251	12
1966-67	1 723	1.13	1 943	83	402	18
1967-68	1 368	0.53	719	34	182	8
1968-69	1 567	1.09	1 710	59	333	13
1969-70	1 374	0.91	1 247	33	219	8
1970-71	1 484	1.09	1 614	54	556	24
1971-72	1 237	1.03	1 275	37	329	12
1972-73	995	0.74	736	32	115	5
1973-74	1 182	0.94	1 107	67	184	14
1974-75	897	0.98	874	60	267	20
1975-76	988	1.16	1 141	78	359	33
1976-77	995	1.08	1 072	74	364	33
1977-78	1 076	0.92	991	69	218	20
1978-79	1 359	1.30	1 763	100	290	25
1979-80	1 123	1.26	1 411	99	472	44
1980-81	1 093	1.03	1 128	140	196	28
1981-82	1 388	1.16	1 617	156	153	24
1982-83	1 212	0.70	848	116	83	13
1983-84	1 772	1.30	2 296	204	289	41
1984-85	1 041	1.31	1 367	130	391	49
1985-86	1 068	1.24	1 330	138	185	25
1986-87	1 140	1.39	1 584	161	192	27
1987-88	1 275	1.33	1 698	191	215	31
1988-89	1 309	1.40	1 838	233	253	46
1989-90	1 089	1.51	1 640	178	232	35
1990-91	1 043	1.47	1 530	147	214	34
1991-92	1 160	1.46	1 690	182	141	21
1992-93	1 150	1.68	1 937	209	266	40
1993-94	947	1.74	1 647	148	223	33
1994-95	897	1.03	924	166	96	18
1995-96	1 136	1.65	1 875	289	233	50
1996-97	1 052	1.57	1 653	227	124	26
1997-98	937	1.74	1 634	223	155	30
1998-99	909	1.98	1 798	157	257	38
1999-00	584	1.91	1 118	118	160	27
2000-01	651	1.61	1 050	138	97	22
2001-02	784	1.83	1 434	251	130	37
2002-03	911	1.05	957	210	178	44
2003-04	1 089	1.85	2 018	279	172	38
2004-05	894	1.43	1 282	172	165	36
2005-06	931	1.81	1 688	249	190	47
2006-07	1 003	0.75	748	241	62	20
2007-08	1 238	1.21	1 502	281	115	37
2008-09	870	1.33	1 160	251	196	64
2009-10	865	1.36	1 180	218	216	53

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities produced, Australia*, cat. no. 7503.0, Canberra; ABARES.

47 Summary of Australian statistics for sorghum

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1964-65	140	1.39	195	8	0	0
1965-66	175	1.11	195	9	0	0
1966-67	203	1.57	319	13	46	2
1967-68	187	1.54	288	12	19	1
1968-69	236	1.25	294	14	69	3
1969-70	359	1.53	547	24	54	2
1970-71	552	2.35	1 298	57	517	24
1971-72	638	1.92	1 228	51	992	48
1972-73	697	1.46	1 018	59	736	35
1973-74	540	1.97	1 061	80	748	54
1974-75	511	1.76	901	76	856	73
1975-76	504	2.23	1 123	96	815	72
1976-77	532	1.80	956	80	829	76
1977-78	394	1.81	714	59	385	36
1978-79	469	2.40	1 125	97	516	46
1979-80	519	1.78	922	96	580	60
1980-81	658	1.83	1 203	152	463	58
1981-82	648	2.03	1 316	140	1 271	153
1982-83	708	1.35	958	124	442	54
1983-84	730	2.58	1 886	246	772	111
1984-85	723	1.89	1 369	197	1 594	242
1985-86	733	1.93	1 416	181	1 082	178
1986-87	818	1.74	1 419	160	818	91
1987-88	765	2.13	1 633	203	415	51
1988-89	625	1.99	1 244	188	290	43
1989-90	376	2.50	939	136	158	23
1990-91	376	1.99	747	99	166	25
1991-92	567	2.54	1 443	204	183	29
1992-93	426	1.28	546	87	211	34
1993-94	498	2.17	1 082	173	173	32
1994-95	687	1.85	1 272	242	111	19
1995-96	770	2.07	1 592	320	411	97
1996-97	544	2.62	1 425	257	299	70
1997-98	507	2.13	1 081	183	251	50
1998-99	587	3.22	1 891	282	76	14
1999-00	622	3.40	2 116	260	26	4
2000-01	758	2.55	1 935	279	330	59
2001-02	823	2.46	2 021	349	586	109
2002-03	667	2.20	1 465	300	70	17
2003-04	734	2.74	2 009	319	289	61
2004-05	755	2.66	2 011	270	513	96
2005-06	766	2.52	1 929	276	173	33
2006-07	613	2.09	1 283	274	46	13
2007-08	942	4.02	3 790	977	251	76
2008-09	767	3.51	2 692	553	1 368	405
2009-10	516	3.10	1 598	239	487	116

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra; ABS, Selected Agricultural Commodities, Australia, Preliminary, cat. no. 7112.0, Canberra; ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra; ABS, Crops and Pastures, Australia, cat. no. 7321.0, Canberra; ABS, Summary of Crops, Australia, cat. no. 7330.0, Canberra; ABS, Value of Agricultural Commodities produced, Australia, cat. no. 7503.0, Canberra; ABARES.

48 Summary of Australian statistics for maize

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1964-65	86	2.03	175	10	0	0
1965-66	80	1.57	125	10	0	0
1966-67	82	2.33	190	10	0	0
1967-68	81	2.23	181	9	0	0
1968-69	67	2.24	149	9	0	0
1969-70	80	2.41	192	11	1	0
1970-71	86	2.47	212	10	22	1
1971-72	78	2.74	214	10	38	2
1972-73	59	2.34	139	9	9	0
1973-74	46	2.32	106	9	3	0
1974-75	51	2.60	134	12	1	0
1975-76	47	2.82	132	12	11	1
1976-77	53	2.72	144	13	33	3
1977-78	45	2.86	130	12	11	2
1978-79	50	3.37	168	16	17	1
1979-80	54	2.79	151	20	8	1
1980-81	56	3.05	172	26	29	3
1981-82	61	3.49	212	30	14	2
1982-83	64	2.18	138	23	18	2
1983-84	67	3.53	237	36	19	3
1984-85	102	2.84	288	46	140	25
1985-86	83	3.33	277	40	81	13
1986-87	57	3.62	205	31	46	7
1987-88	54	3.85	207	30	12	2
1988-89	51	4.23	216	34	13	4
1989-90	52	4.21	218	39	30	5
1990-91	48	3.99	193	32	16	5
1991-92	52	5.20	268	48	12	3
1992-93	45	4.43	198	42	21	5
1993-94	44	4.64	204	41	23	6
1994-95	50	4.83	242	59	6	3
1995-96	56	5.59	311	69	4	2
1996-97	67	5.94	398	80	22	8
1997-98	57	4.72	269	55	11	3
1998-99	64	5.28	338	61	19	6
1999-00	82	4.95	406	62	43	12
2000-01	74	4.66	345	65	56	16
2001-02	83	5.47	454	90	46	14
2002-03	50	6.20	310	72	54	13
2003-04	72	5.52	395	88	13	6
2004-05	72	5.83	420	81	9	6
2005-06	67	5.39	362	71	5	6
2006-07	49	4.92	239	60	12	9
2007-08	68	5.69	387	120	12	11
2008-09	65	5.82	376	106	97	30
2009-10	59	5.56	328	83	36	19

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; ABARES.

49 Summary of Australian statistics for triticale

Area '000 ha	Yield t/ha	Production		\$m
		Volume kt	Value	
1980-81	26	0.90	24	3
1981-82	64	1.42	91	10
1982-83	92	0.89	82	11
1983-84	116	1.62	188	21
1984-85	140	1.36	190	24
1985-86	137	1.62	222	28
1986-87	148	1.57	233	26
1987-88	136	1.53	208	27
1988-89	116	1.68	195	28
1989-90	91	1.80	164	25
1990-91	104	1.81	189	24
1991-92	101	1.76	177	25
1992-93	122	2.32	282	37
1993-94	129	2.04	263	35
1994-95	153	1.19	182	35
1995-96	221	2.12	469	95
1996-97	346	1.95	673	107
1997-98	366	1.73	633	108
1998-99	386	1.80	695	85
1999-00	361	2.11	763	96
2000-01	389	2.16	841	126
2001-02	409	2.10	860	168
2002-03	408	0.80	327	84
2003-04	445	1.85	825	126
2004-05	389	1.57	611	93
2005-06	392	2.12	830	119
2006-07	369	0.54	199	44
2007-08	360	1.25	450	113
2008-09	323	1.12	363	93
2009-10	350	1.56	545	116

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities produced, Australia*, cat. no. 7503.0, Canberra; ABARES.

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Sorghum								
Asia								
Chinese Taipei	2	9	40	26	9	2	27	8
Japan	1	221	386	86	1	91	1 118	322
Papua New Guinea	45	21	28	19	15	31	29	26
New Zealand	16	30	44	27	14	114	160	103
United Arab Emirates	2	1	2	1	1	1	1	2
Other	5	7	14	14	6	12	33	27
Total	70	289	513	173	46	251	1 368	487
(value, \$m)	17	61	96	33	13	76	405	116
Oats								
Asia								
Japan	8	8	8	6	4	3	3	16
Korea, Rep. of	1	1	2	2	2	1	1	0
Philippines	5	6	7	7	3	4	5	3
Libya	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Middle East								
United Arab Emirates	2	4	2	2	1	1	1	1
Other ^a	161	153	147	174	52	106	186	196
Total	178	172	165	190	62	115	196	216
(value, \$m)	44	38	36	47	20	37	64	53

^a No country detail provided due to confidentiality restrictions.

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

Coarse grains

51 Australian coarse grains supply and disposal, by grain ^a

	Area '000 ha	Production kt	Exports ^b kt	Estimated domestic disposals	
				Feed and food kt	Seed ^c kt
Barley d					
2004-05	4 646	7 740	4 863	2 472	198
2005-06	4 406	9 482	5 917	2 576	188
2006-07	4 182	4 257	2 563	2 950	221
2007-08	4 902	7 160	4 054	2 265	226
2008-09	5 015	7 997	3 891	2 321	200
2009-10	4 446	7 909	4 468	2 370	183
Oats					
2004-05	894	1 282	138	1 100	45
2005-06	931	1 688	191	1 449	48
2006-07	1 003	748	35	654	59
2007-08	1 238	1 502	181	1 279	42
2008-09	870	1 160	161	957	42
2009-10	865	1 180	217	918	45
Sorghum					
2004-05	755	2 011	259	1 749	4
2005-06	766	1 929	83	1 841	3
2006-07	613	1 283	110	1 168	5
2007-08	942	3 790	957	2 829	4
2008-09	767	2 692	998	1 692	2
2009-10	516	1 598	459	1 136	3
Maize					
2004-05	72	420	5	414	1
2005-06	67	362	10	351	1
2006-07	49	239	11	228	1
2007-08	68	387	92	295	1
2008-09	65	376	36	340	1
2009-10	59	328	34	293	1
Triticale					
2004-05	389	611	0	594	17
2005-06	392	830	0	812	18
2006-07	369	199	0	181	18
2007-08	360	450	0	434	16
2008-09	323	363	0	345	18
2009-10	350	545	0	529	17
Total					
2004-05	6 756	12 064	5 265	6 329	265
2005-06	6 562	14 291	6 202	7 029	258
2006-07	6 216	6 727	2 719	5 181	304
2007-08	7 510	13 289	5 284	7 102	288
2008-09	7 039	12 587	5 087	5 655	262
2009-10	6 236	11 560	5 178	5 245	249

^a Crop years are November–October for barley, oats and triticale, and March–February for sorghum and maize. ^b Exports reflect the volume of grain exported from the respective crops harvested. For example the volume of exports reported for sorghum in 2002–03, were actually shipped in the period March 2003 to February 2004. ^c Estimated using the following seeding rates for grain crops: sorghum 5 kg/ha; barley 45 kg/ha; maize 15 kg/ha; oats 48 kg/ha; triticale 50 kg/ha. ^d Malt use is expressed as barley equivalent = malt x 1.2. Approximately 1000 tonnes of pearl barley is also included annually.

Sources: ABARES, Australian Crop Report, Canberra; ABS, International Trade, Australia, cat. no. 5465.0, Canberra; ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra; ABS, Summary of Crops, Australia, cat. no. 7330.0, Canberra; ABARES.

52 Australian feedgrains prices

	Barley a \$/t	Oats b \$/t	Sorghum c \$/t	Maize c \$/t	Feed wheat c \$/t	Triticale c \$/t
1982-83	158.14	163.33	149.48	173.59	184.11	na
1983-84	122.86	96.07	127.82	160.63	175.24	na
1984-85	110.20	104.99	131.69	147.48	204.36	123.32
1985-86	109.47	100.68	126.71	143.76	193.82	121.17
1986-87	106.38	100.83	111.42	135.60	170.12	111.23
1987-88	117.93	109.09	129.02	154.84	189.54	132.25
1988-89	142.35	124.35	152.19	175.95	221.84	147.43
1989-90	151.67	116.15	152.77	176.25	169.08	155.60
1990-91	123.58	107.79	136.79	167.53	132.33	125.17
1991-92	147.28	141.02	172.75	189.15	159.67	150.56
1992-93	130.65	105.43	148.91	181.98	143.50	132.82
1993-94	127.30	105.27	168.60	229.58	137.58	135.59
1994-95	227.00	237.96	215.74	276.08	232.75	229.58
1995-96	226.80	171.69	223.69	244.02	236.24	220.22
1996-97	180.73	143.10	174.79	207.61	188.38	178.47
1997-98	179.48	171.49	182.37	215.50	185.93	184.23
1998-99	133.48	110.44	141.63	173.38	155.38	130.84
1999-00	141.03	103.23	130.58	161.14	153.63	138.95
2000-01	173.80	136.96	162.60	186.58	171.83	176.29
2001-02	202.95	191.46	187.52	224.90	211.97	211.96
2002-03	304.78	333.85	288.89	343.07	309.69	308.47
2003-04	203.16	180.43	194.70	254.06	220.74	210.28
2004-05	178.59	171.27	172.20	226.80	194.77	189.14
2005-06	181.91	180.75	171.41	212.67	191.84	188.45
2006-07	296.75	367.17	271.75	338.25	286.76	297.08
2007-08	348.67	362.33	343.00	422.42	425.49	379.42
2008-09	268.10	261.67	244.67	351.25	314.47	304.08
2009-10	221.42	215.83	228.50	313.25	236.83	228.50
2009						
January	240.00	220.00	232.00	328.00	250.00	233.00
February	243.00	251.00	234.00	309.00	282.50	304.00
March	238.00	244.00	214.00	313.00	281.00	308.00
April	240.00	248.00	223.00	331.00	271.00	270.00
May	237.16	260.00	234.00	323.00	279.00	268.00
June	245.00	264.00	249.00	330.00	281.25	279.00
July	250.00	271.00	240.00	330.00	283.40	280.00
August	253.00	254.00	244.00	335.00	262.50	271.00
September	248.00	215.00	241.00	338.00	248.00	252.00
October	222.00	215.00	219.00	326.00	228.75	224.00
November	213.00	206.00	230.00	301.00	230.00	198.00
December	219.00	214.00	255.00	298.00	245.00	211.00
2010						
January	225.00	208.00	261.00	307.00	246.67	237.00
February	213.00	205.00	234.00	299.00	229.50	226.00
March	210.00	203.00	214.00	293.00	222.00	220.00
April	194.00	199.00	196.00	294.00	207.25	204.00
May	198.00	200.00	205.00	313.00	219.25	207.00
June	212.00	200.00	203.00	325.00	219.60	212.00

a Average quote for bulk feed barley, delivered Sydney region. **b** Average quote for bulk feed oats, delivered Sydney region. **c** Average bulk quote, delivered Sydney region. **na** Not available.

Sources: The Land, Rural Press Ltd.

Coarse grains

53 Summary of world statistics for coarse grains

	Area million ha	Production Mt	Closing stocks a		Stocks to use ratio %	Trade b Mt	Use per person kg	Price c US\$/t
			World Mt	United States Mt				
1964-65	315	460.5	465.7	98.1	51	21	35	143 56.0
1965-66	313	472.4	484.3	80.3	40	17	41	147 55.0
1966-67	315	508.8	505.4	83.3	36	16	43	148 60.0
1967-68	319	533.4	521.2	94.4	46	18	43	150 50.0
1968-69	318	533.8	530.5	97.8	47	18	41	149 49.0
1969-70	323	558.0	553.2	97.8	46	18	43	154 54.0
1970-71	323	559.2	569.2	83.5	32	15	52	155 63.0
1971-72	324	617.4	598.4	99.6	47	17	57	159 52.0
1972-73	317	594.2	608.0	81.2	32	13	61	159 72.0
1973-74	335	659.3	655.7	79.8	22	12	68	168 114.0
1974-75	333	622.6	610.6	88.8	21	15	63	153 132.0
1975-76	339	641.0	632.8	92.8	24	15	74	156 116.0
1976-77	342	692.0	668.6	113.8	37	17	81	162 108.0
1977-78	344	691.0	676.4	124.0	50	18	87	161 95.0
1978-79	341	744.1	722.7	143.3	58	20	91	169 103.0
1979-80	341	735.5	731.1	153.2	64	21	97	166 115.0
1980-81	341	723.4	726.5	142.6	44	20	107	166 142.0
1981-82	349	759.0	737.7	168.4	78	23	96	162 118.0
1982-83	339	775.3	749.0	202.2	109	27	92	161 115.0
1983-84	334	678.1	743.3	133.1	40	18	92	160 146.0
1984-85	335	806.0	766.7	171.9	58	22	99	161 124.0
1985-86	341	833.7	763.5	242.2	127	32	82	157 106.0
1986-87	338	823.8	785.1	277.9	na	35	85	160 77.0
1987-88	325	787.1	796.9	263.3	na	33	88	159 86.0
1988-89	325	723.0	780.8	203.4	na	26	99	153 118.0
1989-90	323	794.6	815.3	182.5	na	22	105	157 110.7
1990-91	317	828.7	814.4	195.2	na	24	89	154 106.5
1991-92	323	812.5	812.8	194.4	na	24	96	151 110.4
1992-93	326	869.4	834.6	219.3	na	26	92	153 97.9
1993-94	318	798.2	832.8	181.1	na	22	87	150 114.7
1994-95	324	869.2	854.6	196.5	na	23	99	152 105.2
1995-96	315	801.0	829.9	161.8	na	20	88	145 160.1
1996-97	323	909.1	866.8	201.7	na	23	94	149 132.4
1997-98	311	881.2	866.4	215.8	na	25	86	147 112.4
1998-99	309	890.5	869.0	237.2	na	27	94	147 94.5
1999-00	300	877.6	876.8	231.8	na	26	107	147 89.9
2000-01	297	863.6	882.1	209.3	na	24	104	144 86.6
2001-02	301	896.2	904.8	195.6	na	22	102	146 90.1
2002-03	292	874.7	901.6	171.6	31	19	118	144 107.3
2003-04	306	916.0	943.0	142.3	29	15	103	148 115.0
2004-05	300	1 015.7	977.4	179.2	59	18	101	152 97.5
2005-06	301	979.5	992.0	165.1	55	17	107	152 103.9
2006-07	305	986.6	1 007.6	139.4	36	14	118	153 150.8
2007-08	318	1 078.3	1 056.7	161.7	45	15	127	158 201.4
2008-09	313	1 106.6	1 076.3	193.0	47	18	113	159 189.6
2009-10	308	1 109.0	1 097.2	185.2	48	17	119	161 160.4

a Stocks data are based on national carryover levels at the end of national crop years. Aggregate stocks data therefore should not be construed as representing stock levels at fixed points in time. b October-September basis; includes intra-EU trade. c Export price US no. 2 yellow corn fob Gulf.

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; ABARES.

54 World coarse grains production, by region and country

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Africa								
Egypt	7.1	6.8	6.9	7.0	7.2	7.2	7.7	7.9
Ethiopia	3.8	5.7	5.8	7.2	7.9	8.3	9.0	8.0
Nigeria	19.1	20.3	23.2	24.7	26.0	24.0	26.7	28.0
South Africa	10.1	10.4	12.2	7.3	7.8	13.7	13.1	14.5
Americas								
Argentina	19.4	18.5	24.9	19.3	27.1	27.1	19.1	28.0
Brazil	47.1	44.9	37.9	44.2	53.2	61.3	53.6	58.6
Canada	19.9	25.8	25.6	24.9	23.1	27.8	27.2	22.5
Mexico	26.4	30.3	29.0	25.9	29.2	30.6	32.3	27.8
United States	243.7	275.0	319.4	298.7	280.0	349.9	325.9	349.2
Asia								
China	130.7	124.0	138.3	147.7	159.1	159.1	172.7	161.4
India	25.7	37.4	33.6	34.0	33.8	40.6	39.6	34.2
Indonesia	6.1	6.4	7.2	6.8	7.9	8.5	8.7	7.0
Turkey	10.0	10.0	11.1	12.0	10.9	9.5	10.4	11.1
Europe								
European Union ^a	148.3	131.7	166.6	146.3	137.4	136.1	161.5	153.0
France	30.1	24.2	30.3	26.5	25.4	26.4	31.0	31.5
Germany	22.7	20.1	25.3	22.2	21.0	19.8	24.1	23.3
Italy	12.4	9.8	12.6	12.5	11.0	11.3	11.6	10.2
Spain	13.4	13.6	16.1	8.6	12.1	16.9	16.6	12.0
Russian Federation	33.4	30.5	29.6	27.6	30.2	29.3	40.7	31.8
Ukraine	17.1	15.6	23.0	18.1	19.2	14.6	26.2	24.1
Oceania								
Australia	6.9	15.6	12.1	14.3	6.7	13.3	12.6	11.6
Other	95.5	107.0	101.7	111.5	122.2	125.4	123.1	123.1
Total ^b	874.7	916.0	1 015.7	979.5	986.6	1 078.3	1 106.6	1 109.0

^a Regarded as 27 countries. ^b World totals do not necessarily equal those of other tables as a result of the different sources used.

Sources: ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; International Grains Council, *Grain Market Report*.

Coarse grains

55 World coarse grains production, by grain

	Corn Mt	Barley Mt	Sorghum Mt	Oats Mt	Total a Mt
1964-65	215.1	96.2	41.6	42.5	460.5
1965-66	225.7	92.5	46.4	44.6	472.4
1966-67	250.0	102.4	49.3	46.2	508.8
1967-68	262.6	104.8	53.3	48.2	533.4
1968-69	252.4	115.1	51.5	51.4	533.8
1969-70	270.5	118.0	54.8	51.8	558.0
1970-71	267.8	120.1	55.1	51.6	559.2
1971-72	308.0	131.5	57.7	53.8	617.4
1972-73	300.9	132.7	54.0	47.6	594.2
1973-74	330.8	145.7	65.9	49.6	659.3
1974-75	299.2	149.7	60.3	46.8	622.6
1975-76	339.1	136.1	63.8	44.5	641.0
1976-77	356.7	166.6	62.2	45.7	692.0
1977-78	366.0	156.9	64.4	48.2	691.0
1978-79	392.0	175.6	63.6	48.5	744.1
1979-80	425.0	153.7	61.5	42.5	735.5
1980-81	409.3	157.2	59.4	41.5	723.4
1981-82	441.7	149.4	70.4	40.1	759.0
1982-83	439.6	161.4	65.2	46.2	775.3
1983-84	348.3	158.8	58.5	43.4	678.1
1984-85	457.8	170.3	65.8	45.8	806.0
1985-86	479.5	173.6	70.2	47.1	833.7
1986-87	476.0	178.4	64.5	44.7	823.8
1987-88	451.6	175.6	56.6	40.6	787.1
1988-89	401.0	164.1	54.6	35.4	723.0
1989-90	462.1	165.9	55.4	39.4	794.6
1990-91	481.9	179.5	53.8	39.3	828.7
1991-92	493.1	169.9	53.7	33.0	812.5
1992-93	535.3	166.0	65.6	33.8	869.4
1993-94	475.9	169.0	55.5	35.3	798.2
1994-95	559.9	160.9	57.7	32.8	869.2
1995-96	515.7	141.3	55.4	28.6	801.0
1996-97	593.5	153.4	69.7	30.6	909.1
1997-98	573.7	154.1	58.1	31.1	881.2
1998-99	605.5	136.1	60.8	25.6	890.5
1999-00	607.6	127.6	59.4	24.2	877.6
2000-01	591.3	133.1	55.4	26.0	863.6
2001-02	601.7	143.1	60.0	27.1	896.2
2002-03	602.4	134.2	54.7	25.5	874.7
2003-04	627.1	142.4	60.4	26.2	916.0
2004-05	716.0	152.4	58.8	25.7	1 015.7
2005-06	699.7	136.0	59.7	23.8	979.5
2006-07	712.5	136.4	57.5	23.1	986.6
2007-08	792.0	132.8	66.4	26.0	1 078.3
2008-09	795.4	154.8	64.8	26.0	1 106.6
2009-10	813.6	149.7	59.4	23.8	1 109.0

a Includes rye, millet and mixed grain.

Source: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

56 Volume of world coarse grains trade, by region and country

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
Africa								
Algeria	1.7	1.9	2.1	2.2	2.6	2.0	2.7	2.4
Egypt	4.9	3.8	5.4	4.4	4.9	4.2	5.1	5.3
Americas								
Brazil	1.0	0.5	0.7	1.4	1.7	1.0	1.6	1.1
Colombia	2.4	2.2	2.5	3.4	3.7	3.6	3.5	4.1
Mexico	8.8	8.8	9.0	9.9	11.1	11.0	10.5	11.2
Asia								
China	1.8	1.5	2.1	2.3	1.2	1.2	1.7	3.5
Chinese Taipei	4.8	5.1	4.8	4.7	4.4	4.7	4.7	4.8
Japan	20.3	20.0	19.7	19.8	19.7	19.2	19.6	19.3
Korea, Rep. of	8.9	9.0	8.7	8.5	8.8	9.4	7.2	8.5
Malaysia	2.4	2.4	2.4	2.5	2.4	3.2	2.4	2.5
Europe								
European Union ^a	4.4	8.2	3.0	2.8	8.0	20.3	3.4	3.1
Middle East								
Iran	2.2	2.1	3.9	3.6	3.7	3.2	5.5	5.1
Saudi Arabia	8.6	8.6	7.0	8.6	8.3	9.4	8.7	9.5
Syria	1.3	1.5	2.3	2.2	1.9	1.8	3.5	2.3
Total b	101.6	101.3	99.9	105.9	113.0	126.9	110.3	114.1
Exports								
Africa								
South Africa	1.1	0.8	2.2	0.6	0.5	2.2	1.7	2.5
Asia								
China	15.3	7.7	7.6	3.8	5.5	0.9	0.2	0.2
Americas								
Argentina	11.9	11.3	15.2	10.0	16.9	16.9	12.5	16.9
Brazil	4.7	4.8	0.7	4.5	11.0	7.9	7.1	9.0
Canada	1.7	3.6	2.8	4.1	3.7	6.6	3.9	3.1
United States	45.7	53.8	51.4	59.8	58.3	69.9	50.9	54.8
Europe								
European Union ^a	7.6	4.2	4.9	4.4	4.7	4.6	5.6	2.9
Russian Federation	3.4	2.5	1.1	1.8	1.7	1.2	4.8	3.1
Ukraine	4.0	2.8	6.8	6.5	6.1	3.1	11.9	11.3
Oceania								
Australia	2.8	7.8	5.3	6.2	2.7	5.2	5.5	5.6
Total b	117.9	103.2	100.9	107.1	117.6	127.1	113.1	118.7

^a Regarded as 27 countries. ^b Includes some unspecified countries.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; US Department of Agriculture, *Grain: World Markets and Trade*, Washington DC; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

Coarse grains

57 Volume of world corn trade, by region and country ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
Canada	3.9	2.0	2.4	1.9	2.1	3.2	1.8	2.1
China	0.0	0.0	0.0	0.1	0.0	0.1	0.1	1.0
Chinese Taipei	4.7	5.0	4.5	4.5	4.3	4.2	4.4	4.7
Colombia	2.1	2.0	2.3	3.2	3.4	3.3	3.2	3.5
European Union ^b	2.8	5.9	2.5	2.6	7.1	13.5	2.5	4.5
Indonesia	1.6	1.4	0.5	1.4	1.2	0.2	0.1	1.2
Japan	16.9	16.8	16.5	16.6	16.7	16.6	16.5	16.0
Korea, Rep. of	8.8	8.8	8.6	8.5	8.7	9.1	7.0	8.5
Malaysia	2.4	2.4	2.4	2.5	2.4	3.2	2.0	2.8
Mexico	5.3	5.7	5.9	6.8	8.9	9.2	7.4	8.4
Total ^c	75.1	76.5	76.7	79.4	90.9	98.3	78.2	89.1
Exports								
Argentina	11.2	10.9	14.6	9.5	15.3	14.8	7.5	15.0
Brazil	4.6	4.4	0.7	4.5	10.8	7.8	7.5	9.0
China	15.2	7.6	7.6	3.7	5.3	0.6	0.3	0.2
South Africa	1.1	0.7	2.1	0.5	0.5	2.2	2.5	2.5
United States	40.3	48.3	46.2	54.2	54.0	61.9	47.0	50.5
Other	4.2	5.4	6.4	8.5	7.9	11.3	14.8	15.5
Total	76.7	77.3	77.6	80.9	93.8	98.6	79.5	92.6

^a Marketing years of individual countries. ^b Regarded as 27 countries. Excludes intra-EU trade. ^c Includes some unspecified countries.

Source: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

58 Volume of world barley trade, by region and country

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
China	1.8	1.5	2.0	2.2	1.1	1.1	1.6	2.1
European Union ^a	1.1	0.7	0.3	0.1	0.2	0.3	0.3	0.2
Japan	1.4	1.4	1.5	1.4	1.4	1.4	1.3	1.4
Russian Federation	0.3	0.4	0.3	0.2	0.2	0.2	0.1	0.1
Saudi Arabia	7.2	7.0	5.8	7.1	6.7	7.4	7.2	7.9
Total ^b	17.0	15.4	16.1	17.5	15.0	15.8	19.4	17.1
Exports								
Australia	2.6	7.0	4.9	5.9	2.6	4.1	3.9	4.5
Canada	0.4	1.8	1.2	2.3	1.2	3.0	1.5	1.3
European Union ^a	5.2	2.6	3.3	3.3	3.5	3.8	3.6	1.1
Russian Federation	3.1	2.3	1.1	1.7	1.5	1.0	3.4	2.7
Ukraine	2.9	1.5	4.3	4.0	5.1	1.0	6.4	6.2
Total ^b	16.9	17.0	15.7	18.9	16.1	16.1	20.7	17.8

^a Regarded as 27 countries. Excludes intra-EU trade. ^b Includes some unspecified countries.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

59 Volume of world sorghum trade, by country

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
European Union a	0.0	1.6	0.2	0.1	0.7	5.8	0.4	0.0
Japan	0.0	0.0	0.2	0.2	0.3	0.3	0.3	0.4
Mexico	3.4	3.0	2.9	3.0	2.0	1.2	2.5	2.6
Total b	5.5	6.6	5.3	5.3	4.8	9.7	6.1	6.3
Exports								
Argentina	0.6	0.2	0.4	0.2	1.1	1.2	1.1	1.4
Australia	0.1	0.6	0.3	0.1	0.1	1.0	1.0	0.5
United States	4.7	5.0	4.7	4.9	3.9	7.0	3.6	4.2
Total b	5.1	7.0	5.3	5.3	4.5	9.5	5.9	5.6

a Regarded as 27 countries. Excludes intra-EU trade. **b** Includes some unspecified countries.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

60 US coarse grains supply and disposal

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Area	million ha	33.5	34.8	34.9	34.9	32.5	39.9	36.9	36.4
Yield	t/ha	7.3	7.9	9.1	8.6	8.6	8.8	8.8	9.6
Production	Mt	243.7	275.0	319.4	298.7	280.0	349.9	325.9	349.2
Opening stocks	Mt	45.0	30.9	28.8	58.8	54.8	36.2	45.1	47.1
Imports	Mt	2.6	2.4	2.2	2.1	2.6	3.5	3.1	2.3
Availability	Mt	291.3	308.4	350.4	359.6	337.3	389.5	374.0	398.6
Domestic use	Mt	214.7	225.9	240.2	245.0	242.8	274.5	276.0	295.6
- feed	Mt	149.6	155.5	165.3	162.2	146.9	155.8	140.9	137.8
- food, seed	Mt	65.1	70.4	74.9	82.8	95.9	118.7	135.1	157.8
Exports	Mt	45.7	53.8	51.4	59.8	58.3	69.9	50.9	54.8
Closing stocks	Mt	30.9	28.8	58.8	54.8	36.2	45.1	47.1	48.1

a Commodity Credit Corporation.

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *World Agricultural Supply and Demand Estimates*, Washington DC.

Coarse grains

61 US corn supply and disposal ^a

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Area									
- planted	million ha	28.1	31.8	32.8	33.1	31.7	37.9	34.8	35.0
- harvested	million ha	28.1	28.7	29.8	30.4	28.6	35.0	31.8	32.2
Yield	t/ha	8.12	8.92	10.06	9.29	9.36	9.46	9.66	10.34
Production	Mt	227.8	256.2	299.9	282.3	267.5	331.2	307.1	333.0
Opening stocks	Mt	40.6	27.6	24.3	53.7	50.0	33.1	41.3	42.5
Imports	Mt	0.4	0.4	0.3	0.2	0.3	0.5	0.3	0.2
Availability	Mt	268.7	284.2	324.5	336.2	317.8	364.8	348.7	375.7
Domestic use	Mt	200.7	211.6	224.6	232.0	230.7	261.6	259.3	281.9
- feed	Mt	140.9	146.9	155.8	155.3	140.7	148.8	131.6	131.2
- food, seed	Mt	59.8	64.7	68.8	76.7	89.9	112.8	127.6	150.6
Exports	Mt	40.3	48.3	46.2	54.2	54.0	61.9	47.0	50.5
Closing stocks	Mt	27.6	24.3	53.7	50.0	33.1	41.3	42.5	43.4
Farm price	US\$/bus	2.32	2.42	2.06	3.04	4.20	5.50	4.06	3.55
Loan rate	US\$/bus	1.98	1.98	1.95	1.95	1.95	1.95	1.95	1.95
Export price ^b	US\$/t	107.3	115.0	97.5	103.9	150.8	201.4	189.6	160.4

^a September–August crop years. ^b US no. 2 yellow corn fob Gulf.

Sources: US Department of Agriculture, *Amber Waves*, Washington DC; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *World Agricultural Supply and Demand Estimates*, Washington DC.

62 US sorghum and barley supply and disposal

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Sorghum a									
Area harvested	million ha	2.9	3.2	2.6	2.3	2.0	2.7	2.9	2.2
Yield	t/ha	3.2	3.3	4.4	4.3	3.5	4.6	4.1	4.4
Production	Mt	9.2	10.4	11.5	10.0	7.0	12.6	12.0	9.7
Opening stocks	Mt	1.5	1.1	0.9	1.4	1.7	0.8	1.3	1.4
Availability	Mt	11.7	11.5	13.4	11.4	10.7	14.5	16.3	11.1
Domestic use	Mt	4.9	5.6	6.3	4.8	4.0	5.1	8.3	5.9
Exports	Mt	4.7	5.0	4.7	4.9	3.9	7.0	3.6	4.2
Closing stocks	Mt	1.1	0.9	1.4	1.7	0.8	1.3	1.4	1.0
Farm price	US\$/bus	2.3	2.4	1.8	1.9	3.3	4.1	3.2	3.2
Loan rate	US\$/bus	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Export price b	US\$/t	120.7	127.9	108.8	119.8	170.2	219.8	188.2	170.8
Barley c									
Area harvested	million ha	1.7	1.9	1.6	1.3	1.2	1.4	1.5	1.3
Yield	t/ha	3.0	3.2	3.7	3.5	3.3	3.2	3.4	3.9
Production	Mt	4.9	6.1	6.1	4.6	3.9	4.6	5.2	4.9
Opening stocks	Mt	2.0	1.5	2.6	2.8	2.4	1.5	1.5	1.9
Imports	Mt	0.4	0.4	0.3	0.1	0.3	0.6	0.6	0.4
Availability	Mt	7.3	8.0	9.0	7.5	6.5	6.7	7.3	7.2
Domestic use	Mt	5.2	5.0	5.7	4.6	4.6	4.3	5.1	4.6
Exports	Mt	0.7	0.4	0.5	0.6	0.4	0.9	0.3	0.1
Closing stocks	Mt	1.5	2.6	2.8	2.4	1.5	1.5	1.9	2.5
Farm price	US\$/bus	2.7	2.8	2.5	2.5	2.9	4.0	5.4	4.7
Loan rate	US\$/bus	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0
Export price d	US\$/t	128.5	132.3	114.8	123.0	190.1	302.6	217.6	196.0

a September-August crop years. b US no. 2 sorghum fob Gulf. c June-May crop years. d No. 2 barley fob Portland ([July-June average]).

Sources: US Department of Agriculture, *Agricultural Outlook*, Washington DC; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *World Agricultural Supply and Demand Estimates*, Washington DC.

Coarse grains

63 Grains export price quotations, by category

	US no. 2 hard red winter wheat (Gulf) ^a US\$/t	US no. 2 yellow corn (Gulf) ^a US\$/t	US no. 2 sorghum (Gulf) ^a US\$/t	US no. 2 barley (Portland) ^b US\$/t	French barley Rouen US\$/t
1984-85	148.0	124.0	110.0	119.0	na
1985-86	128.0	106.0	94.0	100.0	na
1986-87	110.5	77.0	71.0	94.0	na
1987-88	123.4	86.0	80.0	101.0	na
1988-89	165.8	118.0	103.5	127.0	na
1989-90	160.8	110.7	103.7	123.0	na
1990-91	117.9	106.5	104.4	118.0	na
1991-92	151.0	110.4	109.7	122.0	na
1992-93	141.3	97.9	95.8	115.0	na
1993-94	141.5	114.7	111.9	112.0	na
1994-95	156.4	105.2	103.7	119.1	na
1995-96	215.3	160.1	156.9	166.9	na
1996-97	178.5	132.4	124.5	137.8	na
1997-98	141.8	112.4	113.3	118.2	na
1998-99	119.1	94.5	94.5	95.9	na
1999-00	113.2	89.9	88.6	105.3	na
2000-01	128.5	86.6	95.6	110.6	110.3
2001-02	127.5	90.1	99.9	111.6	100.7
2002-03	160.5	107.3	120.7	128.5	105.6
2003-04	160.5	115.0	127.9	132.3	152.3
2004-05	153.9	97.5	108.8	114.8	129.3
2005-06	176.3	103.9	119.8	123.0	132.7
2006-07	211.9	150.8	170.2	190.1	184.5
2007-08	362.1	201.4	219.8	302.6	317.3
2008-09	270.8	189.6	188.2	217.6	179.9
2009-10	209.0	160.4	170.8	196.0	145.9
2009					
January	257.4	173.7	175.0	210.0	158.0
February	240.5	163.7	166.4	206.7	154.2
March	242.8	164.7	173.7	200.0	146.8
April	247.0	168.9	173.2	200.0	146.0
May	269.2	180.3	179.8	200.0	163.5
June	260.8	179.7	179.1	200.0	164.3
July	233.2	152.4	154.6	na	148.8
August	211.5	152.6	164.6	180.0	148.7
September	199.0	151.2	165.3	177.5	148.5
October	208.8	167.9	185.0	172.5	153.0
November	226.8	172.2	188.9	183.3	158.2
December	221.0	165.6	175.1	200.0	154.3
2010					
January	213.7	168.0	183.4	215.0	150.1
February	206.3	162.2	172.2	215.0	140.9
March	204.4	159.2	169.7	213.3	137.4
April	199.5	157.6	168.2	205.0	142.4
May	194.8	163.6	173.0	199.0	137.2
June	181.3	153.3	148.4	195.3	132.0

^a Export price, fob Gulf ports. ^b Export price, fob Portland to 2007-08; Pacific Northwest from 2008-09. na not available.

Sources: International Grains Council, *Market Report*, London; US Department of Agriculture, Economic Research Service, *Wheat Situation and Outlook Report*, Washington DC.

64 Coarse grains supply and disposal in major exporting countries

	Area harvested million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports Mt	Closing stocks Mt
United States (September-August)						
2003-04	34.8	7.90	275.0	225.9	53.8	28.8
2004-05	34.9	9.15	319.4	240.2	51.4	58.8
2005-06	34.9	8.56	298.7	245.0	59.8	54.8
2006-07	32.5	8.61	280.0	242.8	58.3	36.2
2007-08	39.9	8.77	349.9	274.5	69.9	45.1
2008-09	36.9	8.82	325.9	276.0	50.9	47.1
2009-10	36.4	9.60	349.2	295.6	54.8	48.1
Canada (August-July) a						
2003-04	7.3	3.53	25.8	23.3	3.6	4.1
2004-05	6.4	3.99	25.6	22.9	2.8	6.4
2005-06	6.2	4.00	24.9	22.9	4.1	6.3
2006-07	6.1	3.78	23.1	24.5	3.7	3.5
2007-08	7.4	3.77	27.8	24.0	6.6	4.0
2008-09	6.3	4.29	27.2	22.9	3.9	6.4
2009-10	5.2	4.30	22.5	22.3	3.1	5.7
Argentina (March-February)						
2003-04	3.4	5.42	18.5	7.4	11.3	1.5
2004-05	4.0	6.26	24.9	9.0	15.2	2.1
2005-06	3.5	5.54	19.3	9.5	10.0	2.0
2006-07	4.1	6.68	27.1	9.7	16.9	2.5
2007-08	4.8	5.70	27.1	9.6	16.9	3.3
2008-09	3.9	4.96	19.1	8.8	12.5	1.2
2009-10	4.1	6.82	28.0	10.0	16.9	2.3
Australia (November-October)						
2003-04	6.8	2.29	15.6	6.9	7.8	2.2
2004-05	6.8	1.79	12.1	6.6	5.3	2.2
2005-06	6.6	2.18	14.3	7.3	6.2	2.8
2006-07	6.2	1.08	6.7	5.5	2.7	1.2
2007-08	7.5	1.77	13.3	7.4	5.2	2.7
2008-09	7.0	1.79	12.6	5.9	5.5	3.3
2009-10	6.2	1.85	11.6	5.5	5.6	3.3
European Union (July-June) b						
2003-04	32.7	4.03	131.7	145.2	4.2	13.0
2004-05	33.5	4.97	166.6	152.6	4.9	25.1
2005-06	32.6	4.49	146.3	147.5	4.4	22.3
2006-07	31.8	4.32	137.4	147.9	4.7	15.1
2007-08	32.0	4.25	136.1	154.2	4.6	12.8
2008-09	33.3	4.84	161.5	151.3	5.6	20.8
2009-10	32.2	4.75	153.0	150.2	2.9	23.8
World						
2003-04	306.4	2.99	916.0	942.8	103.2	142.3
2004-05	300.3	3.38	1 015.7	977.1	100.9	179.2
2005-06	300.9	3.25	979.5	991.9	107.1	165.1
2006-07	305.1	3.23	986.6	1 007.8	117.6	139.4
2007-08	318.2	3.38	1 078.3	1 056.1	127.1	161.7
2008-09	312.8	3.52	1 106.6	1 072.5	113.1	193.0
2009-10	308.0	3.58	1 109.0	1 100.4	118.7	185.2

a Canada also imports about 0.5 million tonnes of grain from the United States each year. b Regarded as 25 countries.

Note: The marketing period of each country is shown in parentheses.

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; ABARES.

65 Australian cotton area harvested and lint yield ^a

	Area harvested			Lint yield		
	New South Wales '000 ha	Queensland '000 ha	Australia b '000 ha	New South Wales t/ha	Queensland t/ha	Australia b t/ha
1964-65	7.3	7.9	15.3	0.942	0.207	0.555
1965-66	12.5	5.9	22.2	1.247	0.326	0.788
1966-67	12.3	5.5	21.5	0.927	0.541	0.668
1967-68	19.4	5.2	31.1	1.301	0.731	0.933
1968-69	22.3	6.3	32.5	1.158	0.722	0.935
1969-70	23.1	5.9	31.7	0.880	0.735	0.778
1970-71	26.4	5.2	35.1	0.485	0.596	0.454
1971-72	29.3	6.9	40.1	1.133	0.957	0.993
1972-73	31.7	8.0	43.6	0.744	0.600	0.651
1973-74	31.0	7.1	41.7	0.703	0.930	0.681
1974-75	27.5	7.4	38.5	0.982	0.797	0.854
1975-76	23.9	6.0	29.8	0.853	0.750	0.834
1976-77	24.8	8.9	35.3	0.847	0.787	0.794
1977-78	31.6	9.6	41.6	1.104	0.969	1.063
1978-79	36.1	13.4	49.8	1.102	0.993	1.065
1979-80	51.4	20.0	75.0	1.243	0.965	1.109
1980-81	61.6	22.0	83.6	1.252	0.991	1.183
1981-82	74.5	29.0	103.5	1.456	0.900	1.300
1982-83	71.9	24.6	96.5	1.043	1.049	1.045
1983-84	104.5	32.9	137.4	1.027	1.033	1.028
1984-85	131.2	51.9	183.1	1.538	0.904	1.358
1985-86	135.8	41.2	177.0	1.593	1.238	1.510
1986-87	125.0	31.0	156.0	1.451	1.297	1.420
1987-88	163.6	80.9	244.6	1.204	0.890	1.100
1988-89	140.8	53.3	194.1	1.577	1.332	1.510
1989-90	175.0	64.8	239.8	1.346	1.077	1.273
1990-91	202.0	77.0	279.0	1.678	1.403	1.602
1991-92	225.0	87.0	312.0	1.812	1.688	1.777
1992-93	204.0	82.0	286.0	1.478	1.314	1.431
1993-94	210.0	84.0	294.0	1.301	1.123	1.250
1994-95	157.0	89.0	246.0	1.594	1.402	1.524
1995-96	185.5	118.4	303.9	1.460	1.270	1.386
1996-97	277.0	119.1	396.1	1.599	1.403	1.540
1997-98	299.3	138.8	438.2	1.588	1.371	1.519
1998-99	381.7	179.9	561.5	1.243	1.341	1.274
1999-00	313.0	151.3	464.3	1.574	1.638	1.595
2000-01	327.9	199.4	527.3	1.627	1.432	1.553
2001-02	289.7	119.3	409.0	1.771	1.594	1.719
2002-03	165.2	59.3	224.5	1.830	1.430	1.724
2003-04	97.2	100.8	198.1	1.849	1.680	1.763
2004-05	162.8	158.1	320.9	2.136	1.881	2.011
2005-06	214.3	121.2	335.5	1.883	1.597	1.779
2006-07	108.7	34.9	143.6	2.223	1.710	2.099
2007-08	41.2	21.4	62.7	2.252	1.864	2.120
2008-09	88.0	76.0	164.0	2.024	1.987	2.007
2009-10	123.8	84.5	208.3	2.067	1.549	1.857

^a August-July crop years. ^b Includes data for Western Australia. ^{na} Not available.

Sources: ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Crops and Pastures, Australia, cat. no. 7321.0, Canberra; ABS, Summary of Crops, Australia, cat. no. 7330.0, Canberra; Department of Agriculture, Fisheries and Forestry, Cotton Market News, Canberra; ABARES.

66 Australian cottonseed and lint production ^a

	Cottonseed production			Lint production		
	New		Australia b	New		Australia b
	South Wales	Queensland		South Wales	Queensland	
	kt	kt	kt	kt	kt	kt
1964-65	11.8	2.8	17.4	6.9	1.6	8.5
1965-66	27.0	3.3	35.4	15.6	1.9	17.5
1966-67	20.0	5.2	32.1	11.4	3.0	14.4
1967-68	43.9	6.6	57.3	25.2	3.8	29.0
1968-69	44.9	8.0	58.5	25.8	4.5	30.4
1969-70	35.5	7.7	48.3	20.3	4.3	24.7
1970-71	22.3	5.4	31.9	12.8	3.1	15.9
1971-72	52.8	12.7	69.1	33.2	6.6	39.8
1972-73	36.4	10.7	50.7	23.6	4.8	28.4
1973-74	35.7	10.8	49.8	21.8	6.6	28.4
1974-75	44.1	9.7	53.8	27.0	5.9	32.9
1975-76	33.2	7.4	40.6	20.4	4.5	24.9
1976-77	34.9	11.7	46.6	21.0	7.0	28.0
1977-78	56.9	15.2	72.1	34.9	9.3	44.2
1978-79	56.8	21.7	78.5	39.8	13.3	53.1
1979-80	104.3	31.5	135.8	63.9	19.3	83.2
1980-81	125.8	35.6	161.4	77.1	21.8	98.9
1981-82	176.5	42.6	219.1	108.5	26.1	134.6
1982-83	112.3	42.1	154.4	75.0	25.8	100.8
1983-84	135.0	55.2	190.2	107.3	34.0	141.3
1984-85	308.2	102.2	410.4	201.8	46.9	248.7
1985-86	308.0	74.0	382.0	216.3	51.0	267.3
1986-87	281.6	48.4	330.0	181.4	40.2	221.6
1987-88	333.9	101.1	435.0	197.0	72.0	269.0
1988-89	345.0	74.3	419.3	222.0	71.0	293.0
1989-90	380.0	113.0	493.0	235.6	69.8	305.3
1990-91	526.0	160.0	686.0	339.0	108.0	447.0
1991-92	563.0	186.0	749.0	407.6	146.9	554.5
1992-93	365.1	162.4	527.5	301.5	107.7	409.3
1993-94	334.2	131.3	465.5	273.2	94.3	367.5
1994-95	286.5	187.1	473.6	250.2	124.8	375.0
1995-96	382.4	212.4	594.8	270.8	150.4	421.2
1996-97	627.5	232.6	860.1	443.0	167.1	610.1
1997-98	672.3	269.0	941.3	475.3	190.3	665.7
1998-99	677.5	346.9	1 024.4	474.4	241.2	715.6
1999-00	695.7	350.4	1 046.2	492.7	247.8	740.5
2000-01	740.5	399.5	1 140.0	533.5	285.5	819.0
2001-02	777.1	276.4	1 053.5	513.1	190.1	703.3
2002-03	425.3	120.5	545.8	302.3	84.7	387.1
2003-04	254.2	239.6	493.7	179.7	169.4	349.1
2004-05	491.8	420.5	912.3	347.8	297.3	645.1
2005-06	570.6	273.8	844.4	403.5	193.6	597.1
2006-07	311.1	76.7	387.8	241.8	59.6	301.4
2007-08	131.3	56.5	187.8	92.8	40.0	132.8
2008-09	252.0	213.6	465.5	178.2	151.0	329.2
2009-10	364.9	185.1	550.0	255.9	130.9	386.8

^a August-July crop year. ^b Includes data for Western Australia. ^{na} Not available.Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Cotton Market News*, Canberra; ABARES.

67 Australian production, trade and use of raw cotton

	Domestic lint production a kt	Gross value of production b \$m	Imports		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1964-65	8.5	7.7	25.2	na	na	na
1965-66	17.5	14.3	14.6	8.2	na	na
1966-67	14.4	12.5	9.1	4.7	na	na
1967-68	29.0	19.7	12.3	6.9	na	na
1968-69	30.4	21.0	5.7	3.8	3.7	1.9
1969-70	24.7	19.1	4.7	3.0	11.5	5.1
1970-71	15.9	13.3	7.0	4.3	7.4	3.4
1971-72	39.8	30.1	8.9	5.8	2.4	1.6
1972-73	28.4	32.6	3.8	2.7	22.3	11.3
1973-74	28.4	26.6	8.4	9.3	3.2	1.8
1974-75	32.9	29.3	4.0	4.8	7.7	5.4
1975-76	24.9	37.5	4.1	4.4	16.0	11.5
1976-77	28.0	39.8	5.0	7.4	5.5	7.1
1977-78	44.2	61.2	4.0	5.6	9.8	10.9
1978-79	53.1	71.4	1.7	3.1	23.6	28.5
1979-80	83.2	135.3	2.0	4.0	48.5	66.9
1980-81	98.9	147.2	2.2	4.3	59.0	92.0
1981-82	134.6	182.0	1.0	1.9	79.0	117.0
1982-83	100.8	167.5	0.7	1.3	129.0	198.0
1983-84	141.3	268.7	1.1	2.4	82.0	148.0
1984-85	248.7	330.2	2.7	6.0	140.0	262.0
1985-86	267.3	324.9	0.5	1.4	241.0	380.0
1986-87	221.6	372.1	0.3	0.6	251.0	345.0
1987-88	269.0	421.6	0.3	0.9	176.0	353.0
1988-89	293.0	536.9	1.1	2.9	288.3	464.1
1989-90	305.3	639.5	0.1	0.3	306.0	579.8
1990-91	447.0	898.0	0.7	2.2	339.7	737.7
1991-92	554.5	878.9	0.7	1.8	458.1	945.0
1992-93	367.5	652.2	0.3	1.4	360.5	732.0
1993-94	375.0	851.2	0.2	1.2	296.8	678.7
1994-95	421.2	1 002.8	0.7	2.0	311.4	762.3
1995-96	421.2	1 002.8	0.7	2.0	311.4	762.3
1996-97	610.1	1 342.0	0.2	0.6	505.0	1 076.9
1997-98	665.7	1 449.2	0.2	1.0	593.4	1 385.6
1998-99	715.6	1 394.7	0.2	1.0	646.7	1 559.0
1999-00	740.5	1 568.3	0.4	1.4	703.0	1 406.6
2000-01	819.0	1 881.9	0.4	1.6	834.3	1 958.3
2001-02	703.3	1 499.4	0.4	1.0	718.5	1 547.4
2002-03	387.1	844.0	0.3	1.0	596.2	1 153.2
2003-04	349.1	689.1	0.1	0.5	459.0	982.2
2004-05	645.1	1 222.0	0.3	0.7	410.2	770.9
2005-06	597.1	995.1	0.0	0.0	650.2	1 137.4
2006-07	301.4	541.6	0.0	0.1	486.5	823.4
2007-08	132.8	253.7	0.0	0.0	266.4	465.7
2008-09	329.2	693.3	0.3	0.3	259.7	500.1
2009-10	386.8	876.1	0.1	0.2	395.4	754.6

a August–July crop year. **b** Includes cottonseed. **na** Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; Raw Cotton Marketing Advisory Committee, *Annual Report*, Canberra; ABARES.

68 Volume of Australian exports of raw cotton, by destination

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Asia	559.9	444.6	395.8	642.6	481.2	262.6	259.6	394.5
China	29.6	79.9	61.8	284.6	163.0	90.5	89.7	139.8
Chinese Taipei	13.6	2.7	3.9	8.7	4.4	0.8	1.1	5.3
India	6.8	2.2	3.5	1.3	4.2	2.1	3.0	3.5
Indonesia	184.2	147.0	130.0	141.4	126.4	73.9	80.6	82.7
Japan	94.0	52.2	45.2	34.9	36.3	28.8	20.3	17.8
Korea, Rep. of	96.3	56.4	63.6	53.7	53.8	13.8	11.8	33.7
Pakistan	14.9	33.2	13.3	8.2	6.8	3.3	0.1	4.3
Philippines	3.3	0.7	0.2	1.3	0.0	0.4	0.4	0.0
Thailand	86.9	58.6	64.8	93.1	75.0	43.5	44.6	75.1
Other	30.2	11.7	9.7	15.4	11.5	5.6	8.0	32.2
Europe	31.5	11.9	10.2	6.9	4.7	1.8	0.1	0.3
Germany	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
Italy	17.3	6.6	8.1	6.6	4.4	1.8	0.1	0.3
Spain	2.9	2.9	2.0	0.0	0.0	0.0	0.0	0.0
Other	11.0	2.2	0.1	0.3	0.3	0.0	0.0	0.0
United States	1.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0
Other countries	4.8	2.5	4.2	0.8	0.7	1.9	0.0	0.6
Total	596.2	459.0	410.2	650.2	486.5	266.4	259.7	395.4

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

69 Cotton prices and unit values

	Cotlook 'A' index ^a USc/lb	Australian base price for raw cotton ^b Ac/kg	Average unit export return for raw cotton Ac/kg
1964-65	na	57.0	na
1965-66	na	57.0	na
1966-67	28.4	55.0	na
1967-68	31.3	58.0	na
1968-69	28.8	60.0	51.4
1969-70	28.0	58.0	44.3
1970-71	31.1	65.0	45.9
1971-72	37.2	72.0	66.7
1972-73	42.0	72.0	50.7
1973-74	76.5	120.0	56.3
1974-75	52.5	90.0	70.1
1975-76	65.3	117.0	71.9
1976-77	81.9	166.0	129.1
1977-78	65.1	135.0	111.2
1978-79	76.1	156.0	120.8
1979-80	85.4	179.0	137.9
1980-81	94.2	192.0	155.9
1981-82	73.8	164.0	148.1
1982-83	76.7	199.0	153.5
1983-84	87.7	237.0	180.5
1984-85	69.2	226.0	187.1
1985-86	49.0	174.0	157.7
1986-87	62.1	211.0	137.5
1987-88	72.3	237.0	200.6
1988-89	66.4	186.6	161.0
1989-90	82.4	247.7	189.5
1990-91	82.9	249.5	217.1
1991-92	63.1	198.4	206.3
1992-93	57.7	197.6	190.8
1993-94	70.6	234.4	203.0
1994-95	91.1	286.5	228.7
1995-96	85.5	262.7	244.8
1996-97	78.6	235.0	213.2
1997-98	72.2	248.6	233.5
1998-99	60.2	228.5	241.1
1999-00	52.5	199.2	200.1
2000-01	57.2	251.7	234.7
2001-02	41.8	193.8	215.4
2002-03	55.4	225.3	193.4
2003-04	68.3	225.2	214.0
2004-05	52.4	167.3	187.9
2005-06	56.0	177.8	174.9
2006-07	58.1	176.9	169.2
2007-08	72.9	190.8	174.8
2008-09	61.2	193.3	192.6
2009-10	77.5	205.1	190.8

^a Cotlook 'A' index quotes (cif Northern Europe) for strict middling (SM) 1 1/16^a cotton from 1972-73 to July 1981, and for SM 1 3/32^a cotton from August 1981. August-July crop year. ^b Equivalent to 'in store' prices - that is, Cotlook prices in USc/lb to which freight differentials have been added, then converted to Australian currency, with 'into store' charges added finally. Prices approximate import parity prices. na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Cotton Market News*, Canberra; Cotlook Limited, *Cotton Outlook*, United Kingdom; ABARES.

70 Summary of world statistics for raw cotton ^a

	Opening stocks kt	Production kt	Total supply kt	Consumption kt	Imports b kt	Price c USc/lb
1964-65	5 671	11 702	21 155	11 153	3 782	na
1965-66	6 314	12 396	22 441	11 719	3 730	na
1966-67	7 087	11 379	22 387	12 202	3 921	28.4
1967-68	6 196	11 226	21 203	12 234	3 781	31.3
1968-69	5 134	12 387	21 209	12 273	3 687	28.8
1969-70	5 220	11 828	20 902	12 186	3 853	28.0
1970-71	4 875	12 099	22 333	12 439	5 359	31.1
1971-72	4 756	12 879	23 006	12 711	5 371	37.2
1972-73	4 888	13 470	24 318	12 954	5 961	42.0
1973-74	5 331	13 603	24 757	13 122	5 823	76.5
1974-75	5 913	13 895	24 995	12 419	5 187	52.5
1975-76	7 262	11 752	24 736	13 412	5 723	65.3
1976-77	5 639	12 307	23 375	13 115	5 428	81.9
1977-78	4 873	13 914	24 692	13 286	5 905	65.1
1978-79	5 582	12 954	24 442	13 767	5 907	76.1
1979-80	4 759	14 249	25 650	14 349	6 642	85.4
1980-81	4 623	13 799	24 355	14 157	5 934	94.2
1981-82	4 487	14 988	25 070	13 784	5 595	73.8
1982-83	5 625	14 442	25 743	14 580	5 676	76.7
1983-84	5 542	14 430	25 864	14 953	5 891	87.7
1984-85	5 287	19 313	30 616	15 418	6 016	69.2
1985-86	9 172	17 449	32 931	16 401	6 310	49.0
1986-87	10 361	15 319	32 885	17 874	7 205	62.1
1987-88	7 711	17 733	32 091	18 321	6 647	72.3
1988-89	7 100	18 337	32 748	18 558	7 312	66.4
1989-90	6 760	17 356	31 237	18 921	7 120	82.4
1990-91	5 437	18 974	31 069	18 621	6 658	82.9
1991-92	5 976	20 748	33 043	18 766	6 319	63.1
1992-93	8 046	17 929	31 865	18 797	5 890	57.7
1993-94	7 508	16 922	30 515	18 626	6 086	70.6
1994-95	6 053	18 799	31 447	18 423	6 594	91.1
1995-96	6 965	20 438	33 282	18 711	5 878	85.5
1996-97	8 732	19 620	34 574	19 146	6 222	78.6
1997-98	9 712	20 092	35 449	19 000	5 645	72.2
1998-99	10 757	18 745	34 832	18 454	5 330	60.2
1999-00	11 499	19 152	36 742	19 831	6 091	52.5
2000-01	11 126	19 399	36 235	20 065	5 710	57.2
2001-02	10 757	21 490	38 628	20 562	6 380	41.8
2002-03	11 873	19 808	38 253	21 422	6 572	55.4
2003-04	10 369	21 061	38 858	21 353	7 427	68.3
2004-05	10 469	26 469	44 305	23 748	7 368	52.4
2005-06	13 189	25 360	48 296	25 426	9 747	56.0
2006-07	13 464	26 507	48 257	26 953	8 286	58.1
2007-08	13 522	26 056	48 068	26 853	8 489	72.9
2008-09	13 197	23 326	43 062	23 937	6 539	61.2
2009-10	13 155	22 069	43 104	25 635	7 880	77.5

^a August-July crop year. ^b Includes trade among the 12 republics of the former Soviet Union and Estonia, Latvia and Lithuania. ^c Collook 'A' index quotes (cif Northern Europe) for strict middling (SM) 1 1/16" cotton from 1972-73 to July 1981, and for SM 1 3/32" cotton from August 1981.

na Not available.

Sources: US Department of Agriculture, Cotton: World Markets and Trade, Foreign Agriculture Service Circular, Washington DC; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC; Collook limited, Cotton Outlook, United Kingdom; ABARES.

Cotton

71

World area, yield and production of raw cotton ^a

Area harvested '000 ha	Lint yield kg/ha	Production						
		Brazil kt	India kt	Pakistan kt	United States kt	China kt	World kt	
1964-65	33 523	349	457	1 031	380	3 297	1 655	11 702
1965-66	33 285	372	544	961	417	3 252	2 090	12 396
1966-67	31 168	365	427	960	466	2 081	2 330	11 379
1967-68	30 921	363	575	1 129	520	1 621	2 351	11 226
1968-69	31 910	388	718	1 035	529	2 379	2 351	12 387
1969-70	32 458	364	580	1 044	538	2 175	2 079	11 828
1970-71	31 800	380	595	963	544	2 219	2 286	12 099
1971-72	33 023	390	680	1 260	707	2 281	2 112	12 879
1972-73	33 540	402	651	1 125	675	2 984	1 960	13 470
1973-74	32 845	414	535	1 079	633	2 825	2 547	13 603
1974-75	33 507	415	533	1 199	610	2 513	2 460	13 895
1975-76	29 870	393	400	1 130	494	1 808	2 373	11 752
1976-77	30 533	403	590	1 012	418	2 304	2 068	12 307
1977-78	33 576	414	489	1 229	553	3 133	2 047	13 914
1978-79	32 814	395	544	1 348	464	2 364	2 166	12 954
1979-80	32 219	442	572	1 363	744	3 185	2 199	14 249
1980-81	32 369	426	594	1 322	714	2 422	2 700	13 799
1981-82	32 938	455	680	1 428	748	3 407	2 961	14 988
1982-83	31 394	460	586	1 471	823	2 605	3 592	14 442
1983-84	30 920	467	674	1 333	494	1 692	4 638	14 430
1984-85	33 741	572	968	1 820	1 008	2 827	6 249	19 313
1985-86	31 581	553	793	1 964	1 216	2 924	4 137	17 449
1986-87	29 347	522	633	1 579	1 320	2 119	3 549	15 319
1987-88	30 871	574	864	1 555	1 468	3 214	4 246	17 733
1988-89	33 831	542	709	1 788	1 426	3 355	4 159	18 337
1989-90	31 696	548	666	2 295	1 456	2 655	3 788	17 356
1990-91	33 151	572	717	1 989	1 638	3 376	4 507	18 974
1991-92	34 786	596	667	2 023	2 177	3 835	5 683	20 748
1992-93	32 667	549	420	2 346	1 540	3 531	4 507	17 929
1993-94	30 743	550	483	2 134	1 368	3 513	3 745	16 922
1994-95	32 278	582	537	2 427	1 361	4 281	4 333	18 799
1995-96	35 947	569	410	2 885	1 801	3 897	4 768	20 438
1996-97	33 769	581	306	3 030	1 594	4 124	4 202	19 620
1997-98	33 800	594	411	2 686	1 562	4 092	4 594	20 092
1998-99	32 894	570	521	2 805	1 494	3 030	4 507	18 745
1999-00	32 356	592	700	2 652	1 911	3 694	3 832	19 152
2000-01	32 015	606	939	2 380	1 824	3 742	4 420	19 399
2001-02	33 727	637	766	2 678	1 804	4 420	5 312	21 490
2002-03	30 751	644	847	2 308	1 736	3 747	5 487	19 808
2003-04	32 316	652	1 310	3 048	1 708	3 975	5 182	21 061
2004-05	35 725	741	1 285	4 137	2 425	5 062	6 597	26 469
2005-06	34 751	730	1 023	4 148	2 145	5 201	6 183	25 360
2006-07	34 584	766	1 524	4 746	2 090	4 700	7 729	26 507
2007-08	32 926	791	1 602	5 225	1 872	4 182	8 056	26 056
2008-09	30 730	759	1 193	4 921	1 894	2 790	7 990	23 326
2009-10	30 317	728	1 165	5 051	2 090	2 654	6 967	22 069

^a August-July crop year.

Sources: US Department of Agriculture, Cotton: World Markets and Trade, Foreign Agriculture Service Circular, Washington DC; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

72 Volume of world exports of raw cotton, by country ^a

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Africa	1 297	1 357	1 396	1 510	1 252	1 011	777	898
Sub-Saharan Africa	1 117	1 286	1 250	1 413	1 170	874	753	825
Burkina	158	207	212	305	294	169	174	169
America	2 771	3 344	3 608	4 415	3 209	3 528	3 551	3 095
United States	2 591	2 995	3 143	3 848	2 821	2 968	2 887	2 621
South America	164	319	433	510	347	510	624	456
Brazil	106	210	339	429	283	486	596	433
Australia	596	459	410	650	487	266	260	395
Greece	250	267	255	294	272	283	174	191
Mali	185	256	207	223	185	109	71	96
Uzbekistan	740	675	860	1 045	980	914	653	827
Other	791	871	887	1 648	1 785	2 375	1 062	2 236
Total	6 631	7 228	7 623	9 785	8 170	8 486	6 547	7 738

^a August–July crop year. Includes small quantities re-exported.

Sources: US Department of Agriculture, Cotton: World Markets and Trade, Foreign Agriculture Service Circular, Washington DC; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

73 Volume of world imports of raw cotton, by destination ^a

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Asia	3 504	4 661	4 556	7 037	5 488	6 156	4 643	5 619
Bangladesh	348	392	490	555	686	762	827	871
China	681	1 923	1 390	4 199	2 305	2 510	1 523	2 374
Chinese Taipei	265	220	291	247	253	210	171	221
Indonesia	485	468	479	479	479	501	435	457
Korea	325	277	292	220	233	212	215	220
Pakistan	190	393	382	352	502	851	417	305
Thailand	423	365	497	412	415	420	349	393
Turkey	493	516	743	762	877	711	636	957
Other Asia	786	622	734	574	616	690	705	778
European Union ^b	903	724	700	534	462	363	220	207
Mexico	507	405	394	380	295	333	286	303
Middle East	540	567	785	813	963	790	722	1 047
Russian Federation	359	321	316	299	288	245	158	147
Other	759	750	617	684	789	603	509	556
Total	6 572	7 427	7 368	9 747	8 286	8 489	6 539	7 880

^a August–July crop year. Does not include cotton in transit. ^b Regarded as 27 countries.

Sources: US Department of Agriculture, Cotton: World Markets and Trade, Foreign Agriculture Service Circular, Washington DC; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

Dairy products

74 Summary of Australian statistics for dairy products

Dairy cow numbers ^a '000	Milk yield per cow L	Production			Export price ^c	
		Milk ^b ML	Butter kt	Cheese kt	Butter \$/t	Cheese \$/t
1965-66	3 094	2 236	6 919	209	60	669
1966-67	3 061	2 383	7 295	222	70	607
1967-68	2 963	2 298	6 808	196	71	584
1968-69	2 866	2 430	6 965	198	75	523
1969-70	2 829	2 659	7 523	223	76	512
1970-71	2 745	2 641	7 249	203	78	516
1971-72	2 693	2 629	7 079	196	81	793
1972-73	2 647	2 626	6 952	185	93	784
1973-74	2 492	2 711	6 756	175	96	695
1974-75	2 477	2 623	6 497	161	99	955
1975-76	2 467	2 533	6 248	148	113	836
1976-77	2 279	2 533	5 772	118	104	1 124
1977-78	2 056	2 734	5 621	112	116	1 280
1978-79	1 921	2 951	5 669	105	142	1 249
1979-80	1 869	2 905	5 430	84	151	1 595
1980-81	1 819	2 882	5 243	79	135	1 875
1981-82	1 810	2 910	5 268	76	153	2 714
1982-83	1 792	3 083	5 524	88	158	2 412
1983-84	1 809	3 274	5 923	111	161	1 871
1984-85	1 809	3 338	6 038	114	160	1 617
1985-86	1 770	3 411	6 038	105	170	1 592
1986-87	1 757	3 513	6 172	104	177	1 758
1987-88	1 714	3 575	6 129	98	176	1 634
1988-89	1 709	3 679	6 289	101	191	1 970
1989-90	1 698	3 688	6 262	104	175	2 420
1990-91	1 682	3 807	6 403	106	179	1 968
1991-92	1 699	3 963	6 732	114	198	2 177
1992-93	1 716	4 268	7 325	133	211	2 241
1993-94	1 786	4 523	8 079	149	233	2 197
1994-95	1 821	4 506	8 206	141	237	2 076
1995-96	1 884	4 627	8 718	154	268	2 993
1996-97	1 977	4 571	9 036	158	285	2 001
1997-98	2 060	4 582	9 439	163	310	2 264
1998-99	2 155	4 723	10 178	189	328	2 510
1999-00	2 171	4 996	10 847	182	373	2 124
2000-01	2 176	4 847	10 547	172	376	2 419
2001-02	2 123	5 309	11 271	178	412	2 417
2002-03	2 050	5 038	10 328	164	379	2 014
2003-04	2 038	4 944	10 076	149	384	2 187
2004-05	1 942	5 215	10 127	147	388	2 713
2005-06	1 880	5 367	10 089	146	373	2 723
2006-07	1 796	5 336	9 583	133	364	2 212
2007-08	1 640	5 624	9 223	128	361	3 391
2008-09	1 676	5 602	9 388	148	342	3 297
2009-10	1 553	5 810	9 023	128	349	2 865

^a Cows in milk and dry at 31 March on establishments with an estimated value of agricultural operations (EVAO) of \$5000 or more. From 1999-2000, at 30 June. House cows and heifers are included before 1977-78, but excluded thereafter. Before 1986-87, includes livestock holdings on establishments with an EVAO of \$2500 or more. ^b Before 1980-81, milk production included an estimate of on-farm use. ^c Fob.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Preliminary*, cat. no. 7111.0, Canberra; Australian Dairy Corporation, Web statistics, Melbourne; ABARES.

75 Value of Australian exports of dairy products, by destination

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Cheese								
China	\$m	9.4	10.4	9.7	12.4	18.5	14.2	22.8
Japan	\$m	299.6	378.9	298.5	337.9	426.7	398.9	357.6
Korea, Rep. of	\$m	43.8	38.7	36.2	32.0	32.6	39.6	28.0
Philippines	\$m	11.1	18.4	13.7	13.1	23.4	17.1	16.2
Saudi Arabia	\$m	69.0	81.5	103.5	86.7	89.7	30.6	29.8
United Kingdom	\$m	18.3	20.5	20.1	14.8	21.2	8.9	4.4
United States	\$m	33.9	45.4	54.2	52.7	37.2	59.7	19.7
Other	\$m	254.2	282.9	301.3	274.6	319.2	227.1	236.8
Total	\$m	739.2	876.7	837.2	824.2	968.4	796.1	715.3
Butter and butterfat ^a								
Egypt	\$m	6.4	10.5	12.5	13.9	5.0	22.0	17.5
Malaysia	\$m	13.5	11.6	15.8	11.0	17.4	14.0	17.6
Philippines	\$m	1.9	2.8	5.4	3.2	2.4	8.6	7.3
Singapore	\$m	18.2	16.8	21.1	14.4	26.2	20.2	21.3
Thailand	\$m	12.7	13.5	12.0	9.8	13.9	10.1	9.2
Other	\$m	130.1	133.2	157.9	126.2	129.6	157.3	138.2
Total	\$m	182.9	188.5	224.7	178.6	194.6	232.1	211.1
Skim milk powder								
China	\$m	21.7	21.0	14.0	22.6	33.6	39.2	21.6
Japan	\$m	13.3	10.6	12.5	11.1	9.8	21.9	3.0
Malaysia	\$m	52.7	64.2	77.1	72.2	63.4	49.0	21.7
Philippines	\$m	60.1	49.4	72.0	46.1	64.1	99.7	49.5
Singapore	\$m	42.4	57.8	56.1	67.1	61.8	54.0	48.8
Thailand	\$m	20.0	21.7	76.8	51.1	48.6	33.3	27.5
Other	\$m	177.3	195.4	220.3	234.7	252.0	255.5	186.4
Total	\$m	387.5	420.1	528.9	505.0	533.2	552.9	358.5
Casein								
Japan	\$m	23.3	23.1	30.4	31.8	38.4	43.6	26.4
United States	\$m	68.8	56.6	27.3	32.4	42.2	29.5	22.8
Other	\$m	30.5	36.5	31.3	49.3	44.2	34.4	38.6
Total	\$m	122.5	116.2	89.0	113.5	124.8	107.5	87.8
Wholemilk powder								
China	\$m	13.2	3.5	6.9	2.4	21.1	48.0	37.9
Indonesia	\$m	28.1	25.1	34.4	27.6	31.6	45.9	28.5
Malaysia	\$m	28.9	33.1	23.8	14.5	27.3	14.9	6.2
Singapore	\$m	21.4	30.9	44.6	41.4	88.9	77.0	53.6
Taiwan	\$m	40.0	31.5	22.8	13.5	11.8	9.3	7.2
Thailand	\$m	12.0	8.6	10.5	12.3	14.7	14.6	8.2
Other	\$m	178.2	191.8	190.6	163.1	196.7	265.7	154.7
Total	\$m	321.8	324.4	333.6	274.9	392.2	475.3	296.3
Other products								
Fresh milk	\$m	104.0	108.8	107.3	96.3	83.6	102.1	91.3
Other fresh products	\$m	9.6	9.1	6.3	11.8	12.0	0.4	1.2
Condensed milk	\$m	121.0	139.8	147.5	156.9	152.4	158.9	123.6
Other powders	\$m	257.3	248.3	241.5	211.0	247.4	249.7	149.1
Total	\$m	492.0	506.0	502.6	476.0	495.4	511.1	365.3

^a Includes ghee, dry butterfat, butter concentrate and butter oil, all expressed as butter.

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

Dairy products

76 Volume of Australian exports of dairy products, by destination

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Cheese								
China	kt	2.5	2.5	2.4	3.3	4.1	3.0	5.7
Japan	kt	92.4	106.5	81.0	96.2	96.9	74.4	89.8
Korea, Rep. of	kt	13.2	10.4	8.9	8.3	6.9	7.0	7.2
Philippines	kt	3.7	5.1	3.4	3.3	4.7	3.2	4.1
Saudi Arabia	kt	14.9	17.0	20.7	18.1	16.3	5.4	6.7
United Kingdom	kt	5.0	5.1	5.1	4.4	4.1	1.8	1.3
United States	kt	10.3	11.9	11.7	13.7	8.7	10.6	4.1
Other	kt	70.1	69.1	68.7	65.2	61.6	41.0	49.4
Total	kt	212.1	227.7	201.9	212.6	203.3	146.4	168.3
Butter and butterfat ^a								
Egypt	kt	3.6	4.4	4.8	7.4	1.6	8.5	5.5
Malaysia	kt	4.7	3.4	4.8	4.4	4.9	3.7	5.3
Philippines	kt	1.0	1.1	2.1	1.6	0.8	2.4	3.1
Singapore	kt	7.0	7.1	8.1	6.9	7.1	5.1	6.0
Thailand	kt	6.5	5.5	4.6	5.1	4.4	2.9	3.6
Other	kt	60.9	48.0	58.1	55.3	38.6	47.7	50.1
Total	kt	83.6	69.5	82.5	80.7	57.4	70.4	73.7
Skim milk powder								
China	kt	8.9	7.9	5.3	7.2	7.8	11.3	6.8
Japan	kt	7.6	3.9	4.1	2.0	1.5	7.0	1.1
Malaysia	kt	22.1	22.0	25.7	24.3	14.2	14.9	8.3
Philippines	kt	24.3	17.7	26.0	15.9	13.3	25.4	18.9
Singapore	kt	17.5	20.8	21.1	23.0	15.9	17.1	17.2
Thailand	kt	7.9	8.3	26.8	17.9	11.6	9.5	9.9
Other	kt	67.4	60.3	72.3	74.1	58.7	77.0	64.0
Total	kt	155.7	140.8	181.2	164.5	123.0	162.3	126.2
Casein								
Japan	kt	2.6	2.1	2.5	2.5	2.5	2.3	2.4
United States	kt	10.5	6.5	2.6	3.4	3.0	2.4	2.8
Other	kt	5.0	4.2	3.2	5.7	3.5	2.9	4.5
Total	kt	18.2	12.8	8.3	11.7	9.0	7.6	9.6
Wholemilk powder								
China	kt	5.6	1.3	2.4	0.9	4.2	12.6	10.7
Chinese Taipei	kt	11.5	9.2	7.4	4.6	2.6	2.4	2.3
Indonesia	kt	9.5	7.9	10.9	9.3	7.3	11.5	8.4
Malaysia	kt	11.1	11.0	7.9	4.6	5.7	3.2	1.7
Singapore	kt	8.8	10.6	15.1	13.7	17.0	17.0	16.8
Thailand	kt	4.8	2.9	3.6	4.3	3.4	3.4	2.7
Other	kt	65.8	61.8	63.2	57.1	41.4	66.2	48.5
Total	kt	117.1	104.8	110.3	94.4	81.6	116.3	91.2
Other products								
Fresh milk	ML	85.7	86.7	86.1	81.8	68.3	69.2	71.9
Other fresh products	ML	2.5	2.5	1.8	2.1	1.6	0.2	0.5
Condensed milk	kt	100.2	102.6	94.8	83.0	70.3	81.4	67.0
Other powders	kt	70.7	68.9	68.6	61.7	51.3	51.4	36.9

^a Includes ghee, dry butterfat, butter concentrate and butter oil, all expressed as butter.

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

77

Australian dairy cow numbers, by state ^a

	New South Wales '000	Victoria '000	Queensland '000	Western Australia '000	South Australia '000	Tasmania '000	Australia b '000
1965	719	1 187	689	113	159	143	3 214
1966	675	1 192	627	109	155	148	3 094
1967	668	1 211	599	103	149	149	3 061
1968	645	1 200	556	100	139	152	2 963
1969	604	1 209	497	97	139	153	2 866
1970	568	1 245	460	101	138	155	2 829
1971	527	1 244	441	96	138	153	2 745
1972	491	1 257	420	97	145	155	2 693
1973	465	1 274	390	98	141	155	2 647
1974	418	1 244	341	95	132	140	2 492
1975	387	1 269	329	91	135	144	2 477
1976	384	1 258	330	93	135	143	2 467
1977	373	1 167	312	84	120	128	2 279
1978	341	1 125	287	74	112	118	2 056
1979	320	1 047	265	72	105	110	1 921
1980	308	1 037	247	72	102	103	1 869
1981	289	1 024	236	71	100	99	1 819
1982	283	1 024	235	70	99	100	1 810
1983	293	998	234	69	98	98	1 792
1984	285	1 021	234	69	101	99	1 809
1985	274	1 036	229	69	102	98	1 809
1986	264	1 016	224	68	102	96	1 770
1987	270	997	223	67	102	96	1 757
1988	260	977	218	65	100	94	1 714
1989	258	990	210	64	94	92	1 709
1990	245	995	208	65	90	93	1 698
1991	230	1 000	199	66	89	97	1 682
1992	222	1 026	188	68	90	103	1 699
1993	222	1 033	189	70	93	107	1 716
1994	232	1 085	189	74	94	113	1 786
1995	230	1 113	189	73	97	119	1 821
1996	235	1 161	189	71	97	130	1 884
1997	245	1 229	194	71	101	137	1 977
1998	266	1 268	203	73	107	143	2 060
1999	282	1 340	196	65	117	154	2 155
2000	289	1 377	194	65	105	139	2 171
2001	270	1 360	187	72	132	155	2 176
2002	264	1 363	174	75	110	134	2 123
2003	250	1 303	159	77	117	142	2 050
2004	236	1 322	169	74	106	127	2 038
2005	240	1 319	139	62	93	132	1 942
2006	222	1 217	127	67	104	143	1 880
2007	210	1 150	121	60	114	140	1 796
2008	195	1 055	100	54	103	134	1 640
2009	198	1 044	92	49	110	152	1 676
2010	198	997	91	64	86	118	1 553

^a Cows in milk and dry at 31 March on establishments with an estimated value of agricultural operations (EVAO) of \$5000 or more. From 2000, at 30 June. House cows and heifers are included before 1977-78, but excluded thereafter. Before 1986-87, includes livestock holdings on establishments with an EVAO of \$2500 or more. ^b Includes data for the Australian Capital Territory and the Northern Territory.

Sources: ABS, *Principal Agricultural Commodities Australia*, cat. no. 7111.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra.

78 Australian production of wholemilk, by state ^a

	New South Wales ML	Victoria ML	Queensland ML	Western Australia ML	South Australia ML	Tasmania ML	Australia ^b ML
1964-65	1 327	3 391	1 047	281	465	397	6 914
1965-66	1 367	3 414	1 005	281	447	400	6 919
1966-67	1 468	3 622	1 083	253	449	416	7 295
1967-68	1 410	3 338	987	252	404	413	6 808
1968-69	1 268	3 715	781	265	467	464	6 965
1969-70	1 413	4 028	870	254	483	469	7 523
1970-71	1 237	4 062	770	256	470	450	7 249
1971-72	1 171	3 973	768	255	458	451	7 079
1972-73	1 177	3 945	737	242	424	424	6 952
1973-74	1 069	3 917	665	241	439	422	6 756
1974-75	958	3 745	658	246	426	461	6 497
1975-76	985	3 518	691	240	398	434	6 248
1976-77	944	3 203	613	209	353	421	5 772
1977-78	875	3 013	537	212	316	381	5 621
1978-79	906	3 283	570	213	332	365	5 669
1979-80	907	3 151	506	222	329	315	5 430
1980-81	840	3 065	516	214	319	289	5 243
1981-82	874	3 028	557	209	306	294	5 268
1982-83	905	3 164	572	221	340	322	5 524
1983-84	940	3 400	629	232	382	340	5 923
1984-85	940	3 516	621	243	372	346	6 038
1985-86	904	3 575	600	243	365	351	6 038
1986-87	902	3 692	604	248	374	352	6 172
1987-88	931	3 649	614	251	378	306	6 129
1988-89	919	3 793	627	245	371	334	6 289
1989-90	879	3 787	629	267	356	343	6 262
1990-91	858	3 908	626	282	366	363	6 403
1991-92	894	4 119	635	302	411	372	6 732
1992-93	997	4 456	702	321	436	413	7 325
1993-94	1 099	4 968	764	345	456	447	8 079
1994-95	1 087	5 114	740	343	485	437	8 206
1995-96	1 118	5 482	751	341	512	514	8 718
1996-97	1 192	5 634	797	349	535	529	9 036
1997-98	1 242	5 866	822	387	580	543	9 439
1998-99	1 286	6 414	827	403	646	603	10 178
1999-00	1 395	6 870	848	412	713	609	10 847
2000-01	1 326	6 784	760	389	699	590	10 547
2001-02	1 343	7 405	744	392	715	671	11 271
2002-03	1 301	6 584	720	404	733	585	10 328
2003-04	1 271	6 434	674	404	703	590	10 076
2004-05	1 218	6 613	619	398	679	600	10 127
2005-06	1 197	6 651	597	377	646	622	10 089
2006-07	1 105	6 297	534	349	655	642	9 583
2007-08	1 049	6 102	485	319	606	661	9 223
2008-09	1 065	6 135	512	340	628	708	9 388
2009-10	1 074	5 790	529	350	605	674	9 023

^a Before 1977-78, milk production includes an estimate of on-farm use. ^b Includes data for the Australian Capital Territory and estimates for the Northern Territory.

Source: Australian Dairy Corporation, Melbourne.

79 Australian manufacture of dairy products

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Butter a	163.7	148.9	146.7	145.8	133.1	127.6	148.5	128.4
Cheese	379.0	383.8	388.4	372.8	363.6	360.9	342.3	349.4
Non-cheddar	166.1	176.0	192.6	181.1	184.5	189.7	164.8	186.4
Cheddar	212.8	207.8	195.9	191.7	179.1	171.3	177.5	162.9
Wholemilk powder	198.3	186.9	189.2	158.2	135.4	142.0	147.5	126.0
Skim milk powder b	196.6	182.1	189.1	205.5	191.5	164.3	212.0	190.2
Casein	13.1	14.0	13.0	12.2	7.7	10.3	9.8	7.8
Buttermilk powder	16.6	16.6	16.7	15.9	13.5	12.6	15.4	13.0

a Includes the butter equivalent of butter oil, butter concentrate, ghee and dry butterfat production. **b** Includes mixed skim milk powder and buttermilk powder.

Sources: Australian Dairy Corporation, Web statistics, Melbourne; ABARES.

80 Australian consumption of dairy products

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Total consumption								
Butter	kt	66.9	73.0	82.2	79.6	79.6	87.2	84.3
Cheese a	kt	238.8	229.1	228.6	240.5	250.3	265.5	280.2
Australian	kt	190.5	182.3	180.7	182.7	188.4	198.0	223.8
Wholemilk powder	kt	23.7	22.4	35.0	na	na	na	na
Skim milk powder b	kt	26.2	29.7	27.3	na	na	na	na
Yoghurt	kt	114.8	122.3	133.0	144.7	148.0	146.7	145.1
Market milk	ML	1 942	1 981	2 024	2 061	2 156	2 188	2 229
Consumption per person								
Butter	kg	3.4	3.6	4.1	3.9	3.8	4.1	4.0
Cheese a	kg	12.1	11.5	11.3	11.7	12.0	12.5	12.9
Australian	kg	9.6	9.1	8.9	8.9	9.0	9.3	10.3
Wholemilk powder	kg	1.2	1.1	1.7	na	na	na	na
Skim milk powder b	kg	1.3	1.5	1.3	na	na	na	na
Yoghurt	kg	5.8	6.1	6.6	7.0	7.1	6.9	6.7
Market milk	L	98.3	99.0	100.2	100.2	103.4	103.0	102.6

a In natural equivalent weight. **b** Includes buttermilk powder and mixed skim milk powder. **na** Not available.

Sources: Australian Dairy Corporation, Web statistics, Melbourne; Australian Dairy Corporation; ABARES.

Dairy products

81 Australian milk prices and gross value of production

Manufacturing milk c/l	Producer price ^{ac}			Gross value of production		
	Market milk c/l	Weighted average c/l	Manufacturing milk \$m	Market milk \$m	Total \$m	
1964-65	na	na	5.6	239	145	384
1965-66	4.3	9.3	5.5	232	150	381
1966-67	4.4	9.3	5.5	251	149	400
1967-68	4.2	9.4	5.4	215	154	370
1968-69	4.3	9.3	5.5	228	155	383
1969-70	4.3	9.6	5.5	253	161	414
1970-71	4.6	10.0	5.9	255	170	426
1971-72	5.2	10.6	6.5	285	173	458
1972-73	5.3	11.0	6.7	280	184	464
1973-74	5.3	11.8	7.0	271	196	468
1974-75	6.0	14.2	8.0	301	218	519
1975-76	5.5	16.1	8.1	252	238	490
1976-77	5.7	18.7	9.2	246	275	521
1977-78	7.3	17.2	9.9	259	295	553
1978-79	8.5	18.5	11.0	296	332	628
1979-80	9.7	20.0	12.5	309	367	676
1980-81	13.0	23.1	16.0	483	402	885
1981-82	15.4	26.2	18.6	561	473	1 034
1982-83	16.7	28.7	20.1	665	522	1 187
1983-84	15.7	29.8	19.4	656	497	1 153
1984-85	13.5	31.2	18.2	510	526	1 035
1985-86	14.7	32.8	19.6	580	527	1 107
1986-87	17.5	34.5	22.1	687	570	1 257
1987-88	19.3	36.2	23.9	805	586	1 391
1988-89	22.7	37.9	26.8	981	654	1 635
1989-90	18.3	39.7	28.6	1 059	691	1 749
1990-91	18.9 ^b	40.9	23.5	1 099	726	1 825
1991-92	19.7	43.2	24.5	1 188	772	1 960
1992-93	24.4	43.5	29.0	1 522	793	2 314
1993-94	23.0	46.2	28.2	1 620	829	2 448
1994-95	22.2	47.8	27.9	1 511	908	2 419
1995-96	26.0	49.9	31.1	1 898	951	2 848
1996-97	24.0	51.1	29.6	1 830	979	2 809
1997-98	23.9	52.0	29.4	1 839	979	2 817
1998-99	22.5	51.5	28.5	1 905	995	2 900
1999-00	22.0	52.3	26.2	1 961	1 011	2 972
2000-01	na	na	29.0	na	na	3 053
2001-02	na	na	33.0	na	na	3 717
2002-03	na	na	27.1	na	na	2 795
2003-04	na	na	27.9	na	na	2 809
2004-05	na	na	31.5	na	na	3 194
2005-06	na	na	33.1	na	na	3 341
2006-07	na	na	33.2	na	na	3 178
2007-08	na	na	49.6	na	na	4 572
2008-09	na	na	42.5	na	na	3 988
2009-10	na	na	37.3	na	na	3 365

^a A slight series break occurs in 1977-78 as a result of a change in the method of valuation. ^b From 1990-91, manufacturing milk price is reported net of market support. ^c Since deregulation of farm gate milk prices from July 2000, manufacturing and market milk prices are no longer reported separately. na Not available.

Sources: ABS, *Value of Principal Agricultural Commodities Produced*, cat. no. 7501.0, Canberra; ABARES.

82 Average retail prices of selected dairy products, by quarter

	Milk a		Cheese b		Butter c	
	Sydney c/l	Melbourne c/l	Sydney c/kg	Melbourne c/kg	Sydney c/kg	Melbourne c/kg
2002						
March	145	154	820	780	458	436
June	147	153	740	738	480	472
September	147	153	752	758	466	478
December	154	156	762	770	472	456
2003						
March	155	156	770	782	484	476
June	157	156	742	726	464	468
September	155	157	708	698	500	484
December	156	157	724	746	492	480
2004						
March	156	158	818	798	520	504
June	157	159	796	792	504	504
September	128	134	850	788	532	528
December	137	149	822	810	536	548
2005						
March	141	152	816	820	568	604
June	143	155	806	856	588	624
September	144	156	854	852	604	652
December	148	157	852	832	608	676
2006						
March	148	158	854	874	624	672
June	149	160	866	858	640	688
September	156	160	874	908	632	696
December	161	162	866	892	656	716
2007						
March	163	162	982	970	672	716
June	165	163	970	956	700	728
September	172	167	844	944	684	628
December	184	176	928	1 022	724	658
2008						
March	186	180	978	1 020	780	680
June	183	180	990	1 026	784	740
September	179	184	1 042	1 092	772	738
December	181	185	998	1 140	790	726
2009						
March	176	184	1 020	1 184	800	756
June	171	181	1 048	1 152	814	740
September	172	179	1 040	1 090	790	740
December	174	179	1 086	1 168	804	714
2010						
March	181	180	1 094	1 108	798	734
June	186	183	1 074	1 146	816	736

a 1 litre carton to June 2004, from September 2004 based on 2 litre carton, supermarket. b Based on a processed, sliced, wrapped, 500 gram pack.

c Based on a 500 gram pack.

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

Dairy products

83 Average export unit values of Australian dairy products ^a

	Butter ^b \$/t	Cheese \$/t	Skim milk powder \$/t	Whholmilk powder \$/t	Casein \$/t
1964-65	688	514	na	na	367
1965-66	669	534	na	na	518
1966-67	607	591	281	586	420
1967-68	584	519	241	619	488
1968-69	523	545	153	544	409
1969-70	512	480	157	497	399
1970-71	516	504	185	500	431
1971-72	793	673	332	631	557
1972-73	784	733	390	738	727
1973-74	695	761	417	767	741
1974-75	955	1 012	649	1 007	1 033
1975-76	836	1 117	465	1 042	1 013
1976-77	1 124	1 070	323	867	832
1977-78	1 280	1 259	389	1 038	1 022
1978-79	1 249	1 337	541	1 104	1 366
1979-80	1 595	1 545	577	1 100	1 843
1980-81	1 875	1 926	1 000	1 614	2 476
1981-82	2 714	2 158	897	1 907	2 391
1982-83	2 412	2 444	919	2 057	2 941
1983-84	1 871	2 611	885	2 071	2 500
1984-85	1 617	2 433	849	1 900	2 286
1985-86	1 592	2 515	987	1 938	2 800
1986-87	1 758	2 645	1 127	2 048	3 286
1987-88	1 634	2 735	1 382	2 243	3 875
1988-89	1 970	2 993	2 245	2 650	6 345
1989-90	2 420	3 462	2 341	2 852	5 704
1990-91	1 968	3 204	1 784	2 192	4 179
1991-92	2 177	3 318	1 953	2 432	4 820
1992-93	2 241	3 695	2 554	2 918	6 881
1993-94	2 197	3 753	2 233	2 603	13 941
1994-95	2 076	3 452	2 293	2 471	6 876
1995-96	2 993	3 882	2 845	3 141	8 564
1996-97	2 001	3 705	2 462	2 778	6 027
1997-98	2 264	3 956	2 494	2 882	4 997
1998-99	2 510	3 969	2 254	2 883	5 274
1999-00	2 124	3 671	2 191	2 629	6 022
2000-01	2 419	4 343	3 426	3 464	9 040
2001-02	2 417	4 738	3 320	3 454	9 356
2002-03	2 014	3 846	2 246	2 681	6 258
2003-04	2 187	3 486	2 489	2 748	6 735
2004-05	2 713	3 851	2 984	3 094	9 059
2005-06	2 723	4 146	2 918	3 024	10 739
2006-07	2 212	3 877	3 070	2 912	9 712
2007-08	3 391	4 764	4 334	4 808	13 885
2008-09	3 297	5 439	3 407	4 086	14 076
2009-10	2 865	4 250	2 840	3 250	9 125

^a Fob. ^b Commercial butter equivalent. na Not available.

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

84 Volume of Australian imports of cheese, by variety

	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Volume	kt						
Processed							
Cheddar	11.75	13.35	14.25	13.29	13.59	13.41	18.58
Other	3.46	2.73	2.41	2.29	3.06	2.66	2.72
Natural							
Blue vein	1.14	1.09	1.09	1.39	1.15	0.89	1.17
Camembert	0.25	0.25	0.21	0.26	0.26	0.23	0.21
Cheddar	18.09	18.83	22.88	26.45	29.51	21.90	26.52
Colby	2.00	1.72	2.09	2.15	2.46	2.99	2.13
Edam	1.05	0.97	0.86	1.21	0.92	0.76	1.70
Fetta	2.32	2.83	3.30	2.78	3.03	3.04	2.92
Gouda	0.77	0.39	0.50	1.24	0.93	0.93	1.54
Kasseri	0.12	0.12	0.10	0.13	0.12	0.17	0.07
Mozzarella	0.69	0.72	2.64	1.80	1.20	0.56	0.45
Parmesan	1.31	0.93	1.38	1.46	1.90	1.46	1.39
Provolone	0.35	0.38	0.39	0.41	0.43	0.45	0.47
Other	5.76	6.18	8.40	9.55	11.50	9.63	12.10
Total	49.05	50.49	60.51	64.41	70.07	59.07	71.96
Unit value							
Processed							
Cheddar	3.57	4.16	4.30	4.15	4.71	4.78	3.89
Other	4.55	5.20	5.11	5.50	3.91	6.30	5.32
Natural							
Blue vein	10.41	11.46	11.78	11.34	12.68	15.69	14.34
Camembert	9.87	10.53	10.35	10.35	11.55	14.01	12.64
Cheddar	2.97	3.61	3.78	3.43	4.26	4.79	3.98
Colby	2.98	4.11	4.28	3.96	5.26	5.02	4.02
Edam	4.08	4.82	5.05	4.28	5.44	6.08	4.02
Fetta	5.50	5.42	5.01	6.00	6.52	7.72	6.45
Gouda	4.26	6.11	5.81	4.11	4.73	6.08	3.61
Kasseri	9.19	9.56	9.12	10.04	10.28	12.88	10.30
Mozzarella	3.15	3.35	3.86	3.50	4.18	3.99	3.62
Parmesan	9.76	10.85	8.69	7.76	8.24	10.59	10.27
Provolone	9.13	9.13	9.07	9.30	9.71	11.05	9.39
Other	7.04	7.77	6.81	7.01	7.74	9.22	7.25
Average	4.32	4.90	4.82	4.69	5.37	6.18	5.01

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

85 Summary of world statistics for dairy products

	Production			Consumption		Exports ^a	
	Milk Mt	Butter kt	Cheese kt	Butter kt	Cheese kt	Butter kt	Cheese kt
1967	328	5 309	4 962	5 087	4 811	741	681
1968	333	5 388	5 065	5 103	4 999	744	724
1969	335	5 161	5 233	5 016	5 238	727	718
1970	336	5 162	5 686	5 100	5 679	948	775
1971	338	5 142	6 049	5 109	5 949	788	821
1972	346	5 480	6 480	5 138	6 296	675	836
1973	353	5 593	6 676	5 585	6 590	1 080	933
1974	360	5 564	6 987	5 469	6 732	958	995
1975	361	5 748	6 763	5 600	6 612	895	1 019
1976	366	6 027	7 298	5 674	6 978	994	1 161
1977	376	6 207	7 382	5 837	7 167	1 001	1 203
1978	381	6 230	7 692	5 743	7 487	1 027	1 233
1979	386	6 256	8 079	5 977	7 765	1 233	1 343
1980	390	6 291	8 342	5 982	7 972	1 355	1 358
1981	389	6 075	8 381	5 776	8 004	1 343	1 428
1982	405	6 375	8 811	5 721	8 426	1 312	1 484
1983	421	6 918	9 168	6 066	8 769	1 197	1 504
1984	424	6 857	9 581	6 219	9 313	1 337	1 703
1985	430	6 929	9 962	6 443	9 645	1 400	1 721
1986	438	7 217	10 295	6 568	10 064	1 310	1 734
1987	435	6 737	10 599	6 963	10 374	1 820	1 770
1988	436	6 604	10 717	7 070	10 385	2 090	1 786
1989	438	6 747	10 975	6 404	10 692	1 769	1 785
1990	441	6 797	11 025	6 382	10 744	1 368	1 838
1991	428	6 306	11 068	5 893	10 677	1 410	1 926
1992	424	6 056	11 218	5 875	10 823	1 442	2 036
1993	394	5 657	11 093	5 286	10 729	1 422	2 242
1994	384	5 348	11 240	5 188	10 950	1 320	2 338
1995	381	5 218	11 346	4 966	11 037	1 233	2 467
1996	380	5 136	11 705	4 844	11 325	1 131	2 582
1997	370	5 171	11 100	4 931	11 061	749	943
1998	374	5 458	11 378	5 083	11 190	627	907
1999	380	5 653	12 123	4 988	11 845	618	912
2000	390	5 840	12 647	5 429	12 325	728	1 067
2001	395	6 187	12 737	5 798	12 546	759	1 085
2002	406	6 613	13 158	6 108	12 884	760	1 144
2003	410	6 619	13 151	6 201	12 969	883	1 206
2004	416	6 724	13 682	6 342	13 447	912	1 249
2005	422	6 870	14 137	6 447	13 925	793	1 246
2006	428	7 162	14 422	6 837	14 206	770	1 242
2007	437	7 594	14 740	7 281	14 495	833	1 305
2008	435	7 881	14 313	7 476	14 096	725	1 262
2009	432	8 019	14 469	7 658	14 217	678	1 187

^a Includes intra-EU trade up to and including 1993.

Source: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

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Milk production in selected regions and countries

	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Americas							
Canada	7 734	7 905	7 806	8 041	8 212	8 270	8 200
United States	77 269	77 488	80 255	82 455	84 211	86 179	85 874
Brazil	22 860	23 317	24 250	25 230	26 750	27 820	28 795
Asia							
China	17 463	22 606	27 534	31 934	35 252	34 300	28 445
India	36 500	37 500	37 520	41 000	42 890	44 500	45 865
Japan	8 400	8 329	8 285	8 137	8 007	7 982	7 910
Europe							
European Union a	135 069	133 969	134 672	132 206	132 604	133 848	133 700
Russian Federation	33 000	32 000	32 000	31 100	32 200	32 500	32 500
Ukraine	13 400	13 787	13 423	12 890	11 997	11 524	11 300
Oceania							
Australia b	24 574	24 734	25 441	24 902	25 080	25 149	24 820
New Zealand c	10 649	10 388	10 441	10 402	9 880	9 509	9 679
Total d	409 873	415 925	421 707	428 053	436 783	434 959	432 280

a Regarded as 27 countries. **b** Year ended 30 June. **c** Year ended 31 May. **d** Includes major producing countries. **na** Not available.Source: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

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Production of dairy products in selected regions and countries

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Butter								
Australia abc	178	164	149	147	146	133	128	148
Brazil	70	72	75	77	79	82	84	76
Europe								
Russian Federation	280	280	270	275	290	300	305	280
European Union d	2 233	2 153	2 164	2 155	2 035	2 053	2 040	2 030
Ukraine	131	148	138	118	105	100	85	72
Japan e	83	80	80	84	80	75	72	81
New Zealand bef	352	380	405	418	379	390	442	422
United States	615	564	565	611	657	695	746	714
Total	6 613	6 619	6 724	6 870	7 162	7 594	7 881	8 019
Cheese								
Australia a	412	379	384	388	373	364	361	342
Brazil	470	460	470	495	528	580	607	614
Europe								
Russian Federation	340	335	350	375	405	435	430	445
European Union d	6 106	6 205	6 481	6 625	6 801	6 760	6 800	6 810
Ukraine	129	169	224	274	210	244	249	250
Japan f	34	35	35	39	40	43	47	45
New Zealand fg	281	312	301	305	297	292	350	292
United States	3 877	3 882	4 025	4 150	4 320	4 435	4 506	4 585
Total	13 158	13 151	13 682	14 137	14 422	14 740	14 313	14 469
Skim milk powder								
Australia a	239	197	182	189	205	191	164	212
Brazil	107	108	110	113	117	128	128	125
Europe								
Russian Federation	140	145	125	110	110	115	120	70
European Union d	1 378	1 334	1 074	1 074	955	1 005	980	1 080
Ukraine	63	71	78	78	80	90	65	48
Japan	183	183	183	187	180	173	158	167
New Zealand f	227	255	289	274	225	247	325	256
United States	724	721	648	695	686	679	859	785
Total	3 719	3 715	3 379	3 370	3 312	3 489	3 530	3 668

a Year ended 30 June. **b** Includes butter anhydrous milk fat and ghee. **c** Factory production only. **d** Regarded as 27 countries. **e** Year ended 31 March.**f** Year ended 31 May. **g** Includes imported unprocessed cheese that is blended with domestically produced cheese.Sources: Australian Dairy Corporation, Web statistics, Melbourne; Agriculture and Livestock Industries Corporation, *Monthly Statistics*, Tokyo; Ministry of Agriculture and Fisheries, *Situation and Outlook for New Zealand Agriculture*, Wellington; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; ABARES.

Dairy products

88 Volume of exports of dairy products, by selected countries

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Butter								
Australia a	123	111	84	69	83	81	57	70
Brazil	0	0	1	1	1	3	4	2
Canada	17	12	17	20	18	13	1	2
India	3	5	2	7	5	10	15	5
European Union c								
Net exports	230	321	353	340	248	216	153	148
New Zealand bd	353	399	400	316	366	439	369	409
Russian Federation	5	5	5	5	5	5	5	5
Ukraine	15	18	42	24	18	4	6	1
United States	3	12	9	6	11	40	89	18
Cheese								
Argentina	26	23	31	45	58	45	36	42
Australia a	218	208	212	228	202	213	203	146
European Union c								
Net exports	503	539	524	499	561	534	490	510
New Zealand d	277	290	289	265	267	309	283	270
Ukraine	37	61	94	116	50	62	77	77
United States	54	52	61	58	71	100	131	108
Skim milk powder								
Australia a	210	182	156	141	181	164	123	162
Canada	49	36	16	6	13	14	11	10
European Union c								
Net exports	262	337	277	190	88	202	179	230
India	10	15	10	40	50	40	35	30
New Zealand de	248	314	305	221	243	327	251	310
Russian Federation	20	25	20	15	15	15	15	15
Ukraine	43	51	63	57	64	57	44	23
United States	126	141	231	277	287	258	391	258

a Year ended 30 June. **b** Includes butter, anhydrous milk fat and ghee. **c** Regarded as 27 countries. Excludes intra-EU trade. **d** Year ended 31 May.

e Skim milk and buttermilk powder.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Ministry of Agriculture and Fisheries, *Situation and Outlook for New Zealand Agriculture*, Wellington; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; ABARES.

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Volume of imports of dairy products, by selected countries

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Butter								
Canada	19	20	28	24	15	13	7	10
Egypt	50	47	28	41	45	46	0	0
European Union a	93	93	93	81	84	93	66	63
Japan	4	13	7	6	4	14	18	0
Mexico	37	40	53	51	49	72	49	74
Russian Federation	120	160	170	110	115	130	150	135
United States	16	15	23	19	18	17	16	17
Cheese								
European Union a	119	127	104	93	99	83	83	81
Japan	212	194	219	212	207	225	187	184
Korea, Rep. of	31	36	41	44	44	50	47	50
Mexico	65	78	82	89	86	86	68	73
Russian Federation	130	175	190	250	230	250	340	310
United States	214	216	214	209	206	198	172	162
Skim milk powder								
Algeria	80	68	75	72	68	91	90	91
China	35	51	61	55	62	40	55	65
European Union a	44	62	30	10	21	10	8	6
Indonesia	110	120	125	135	140	147	159	178
Japan	44	43	37	34	32	36	32	34
Mexico	132	129	141	155	113	121	176	192
Philippines	100	110	120	87	93	93	80	105

a Regarded as 27 countries. Excludes intra-EU trade.Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

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Stocks of dairy products in principal producing countries

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Butter								
Australia a	2	2	8	14	9	4	13	20
Canada	13	13	15	17	10	11	14	15
European Union b	248	276	232	185	122	46	53	103
New Zealand c	51	31	23	61	60	38	70	73
United States	72	45	20	27	49	70	54	60
Total	453	422	343	349	283	204	240	314
Cheese								
Australia a	73	55	51	25	21	18	15	40
Canada	52	59	59	62	62	68	59	46
New Zealand c	51	36	26	32	32	48	41	55
United States	331	323	318	344	371	362	386	439
Total	603	558	514	524	545	560	569	643
Skim milk powder								
Australia a	16	7	5	39	38	30	42	61
Canada	8	23	41	38	23	20	29	32
European Union b	188	218	77	8	0	0	0	259
New Zealand c	100	70	35	35	35	29	34	85
United States	521	445	232	83	48	75	115	59
Total	1 020	950	579	369	278	268	331	638

a Year ending 30 June. **b** Regarded as 27 countries. **c** Year ending 31 May.Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

Farm inputs

91 Major components of Australian farm costs

	1994-95 \$m	1995-96 \$m	1996-97 \$m	1997-98 \$m	1998-99 \$m	1999-00 \$m	2000-01 \$m	2001-02 \$m
Materials and services								
Fuel	1 120	1 188	1 236	1 360	1 230	1 450	1 671	1 580
Fertiliser	1 378	1 651	1 760	1 805	1 906	1 840	1 920	1 980
Chemicals	1 139	1 349	1 480	1 497	1 576	1 604	1 664	1 760
Seed and fodder	3 131	2 928	2 801	2 948	2 974	2 847	3 072	3 226
Marketing	1 955	2 519	2 923	2 726	2 901	3 144	3 198	3 395
Repairs and maintenance	1 768	1 920	2 003	2 011	2 154	2 150	2 262	2 328
Other	3 064	2 937	2 954	2 920	2 916	3 017	3 184	3 339
Total	13 555	14 492	15 157	15 266	15 657	16 052	16 971	17 608
Other costs								
Wages	2 667	2 738	2 983	2 976	3 133	3 250	3 360	3 367
Interest paid	2 069	2 182	2 180	1 976	1 917	2 023	2 249	2 087
Other overheads	344	356	360	360	364	372	389	400
Total	5 080	5 276	5 523	5 313	5 414	5 645	5 998	5 854
Total cash costs	18 635	19 769	20 680	20 579	21 071	21 697	22 969	23 463
Depreciation	3 073	3 144	3 230	3 306	3 439	3 526	3 687	3 796
Total farm costs	21 708	22 913	23 910	23 885	24 511	25 223	26 657	27 258
	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Materials and services								
Fuel	1 520	1 702	1 765	2 223	2 199	2 551	2 204	1 970
Fertiliser	1 820	1 827	1 851	1 843	1 659	3 034	3 309	2 124
Chemicals	1 550	1 649	1 691	1 749	1 545	1 901	1 740	1 454
Seed and fodder	4 874	4 317	4 267	3 827	4 955	6 177	5 229	4 719
Marketing	2 433	3 567	3 433	3 675	2 744	3 180	3 742	3 802
Repairs and maintenance	2 392	2 453	2 493	2 602	2 466	3 073	3 071	3 104
Other	3 329	3 378	3 473	3 692	3 543	3 659	3 830	3 989
Total	17 918	18 893	18 974	19 611	19 111	23 575	23 126	21 162
Other costs								
Wages	3 226	3 420	3 410	3 778	3 654	3 667	3 799	3 900
Interest paid	2 295	2 238	2 306	3 249	3 848	4 901	4 331	4 455
Other overheads	412	422	432	446	447	462	477	488
Total	5 933	6 080	6 148	7 473	7 950	9 030	8 607	8 842
Total cash costs	23 851	24 973	25 122	27 084	27 060	32 605	31 733	30 004
Depreciation	3 915	4 017	4 122	4 255	4 383	4 532	4 676	4 794
Total farm costs	27 766	28 991	29 243	31 339	31 443	37 137	36 409	34 798

s ABARES estimate.

Sources: ABS, Australian National Accounts, National Income and Expenditure, cat. no. 5204.0, Canberra; ABS, Australian National Accounts, National Income and Expenditure, Australia, cat. no. 5206.0, Canberra; ABARES.

92 Indexes of prices paid by farmers in Australia

	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01
Materials and services									
Seed, fodder and livestock									
Seed, seedlings and plants	87.6	88.9	95.7	101.1	99.2	100.0	100.6	102.7	105.2
Fodder and feedstuffs	78.5	79.9	92.2	101.4	98.9	100.0	91.9	90.0	93.6
Store and breeding stock	78.8	95.0	96.7	96.1	89.4	100.0	100.9	105.0	126.0
Total	79.1	85.1	93.9	100.2	96.6	100.0	94.9	95.0	103.1
Fertiliser	88.7	87.1	89.6	98.2	99.2	100.0	102.7	99.8	106.4
Chemicals and medicines	98.0	97.2	97.9	98.1	99.0	100.0	100.4	101.6	103.3
Fuel and lubricants	104.1	100.5	96.6	100.4	104.9	100.0	104.1	148.6	144.1
Electricity	101.8	100.9	98.3	97.7	99.4	100.0	100.7	100.2	99.9
Maintenance									
Plant and equipment	86.7	89.9	92.5	95.3	97.6	100.0	102.3	106.1	112.0
Structures	89.4	91.0	92.5	94.6	95.4	100.0	102.8	104.6	109.3
Total	87.5	90.2	92.5	95.1	96.9	100.0	102.3	105.6	111.1
Contracts	92.8	95.6	97.3	98.4	99.6	100.0	104.3	107.9	114.4
Other materials and services	92.4	94.1	96.8	100.1	100.0	100.0	102.3	104.2	108.9
Total	87.8	90.2	94.2	98.7	98.6	100.0	99.9	104.2	109.3
Labor									
Freight outwards	97.9	98.5	98.5	98.5	98.6	100.0	100.3	102.5	107.0
Selling expenses	86.7	89.3	91.7	95.6	95.5	100.0	102.8	105.2	109.3
Total	88.7	91.0	92.9	96.2	96.1	100.0	102.7	105.0	109.3
Overheads									
Interest paid	107.4	100.2	113.2	127.9	117.0	100.0	90.6	98.8	111.2
Rates and taxes	91.5	92.0	94.2	92.2	95.6	100.0	102.1	107.1	112.4
Insurance	67.0	71.3	74.3	90.8	98.1	100.0	102.8	105.1	109.8
Other overheads	94.1	95.7	96.8	99.2	100.5	100.0	103.1	104.1	108.7
Total	96.9	94.6	101.6	109.3	106.5	100.0	96.6	102.5	111.3
Capital items									
Plant and equipment	87.4	91.7	94.3	97.3	99.0	100.0	103.3	106.6	112.7
Structures	91.7	93.4	94.8	95.8	96.7	100.0	101.7	103.8	108.9
Total	88.0	91.9	94.4	97.1	98.7	100.0	103.0	106.1	111.9
Total prices paid									
Excluding capital items	89.5	91.1	95.0	99.5	99.4	100.0	100.6	104.7	110.1
Excluding capital and overheads	89.8	91.1	95.1	99.8	99.5	100.0	100.1	104.4	109.7
Excluding seed, fodder and store and breeding stock	88.2	90.4	93.6	97.7	98.0	100.0	100.9	104.8	109.4
Excluding seed, fodder and store and breeding stock	92.0	92.6	95.2	99.3	99.9	100.0	101.6	106.5	111.4

Continued

Farm inputs

92 Indexes of prices paid by farmers in Australia continued

	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Materials and services									
Seed, fodder and livestock									
Seed, seedlings and plants	112.9	118.3	104.9	95.3	93.8	109.9	135.0	120.2	113.0
Fodder and feedstuffs	105.5	167.5	148.3	140.4	126.4	151.7	195.3	167.1	150.0
Store and breeding stock	151.5	139.0	149.3	157.5	157.6	152.7	153.0	163.3	173.7
Total	116.5	150.3	142.0	140.3	130.8	147.2	178.0	160.7	151.4
Fertiliser	104.3	106.9	102.8	108.8	111.6	121.4	220.4	239.6	156.0
Chemicals and medicines	105.6	108.0	110.0	111.9	114.6	124.7	149.7	136.7	116.2
Fuel and lubricants	128.3	127.0	144.3	167.2	210.6	208.3	243.7	211.0	191.7
Electricity	100.4	100.5	100.0	101.3	104.6	107.6	111.3	121.4	142.0
Maintenance									
Plant and equipment	115.2	118.4	121.4	124.6	128.6	132.5	137.0	141.3	144.9
Structures	112.5	115.7	119.1	122.7	126.4	130.1	134.6	138.9	142.4
Total	114.3	117.5	120.6	123.9	127.9	131.6	136.1	140.4	144.0
Contracts	117.7	120.9	123.8	126.8	130.8	134.6	139.2	143.5	146.8
Other materials and services	112.1	115.5	118.3	121.1	125.0	128.7	133.0	137.3	140.7
Total	113.1	126.0	125.3	128.7	130.9	140.3	170.8	163.9	148.3
Labor									
	113.3	117.9	121.6	125.7	129.7	133.5	138.0	142.6	147.3
Marketing									
Freight outwards	110.1	113.5	116.3	119.0	120.9	126.4	152.9	136.5	126.9
Selling expenses	112.5	116.0	118.8	121.6	125.5	129.2	133.6	137.7	140.9
Total	112.4	115.9	118.7	121.5	125.4	129.1	143.2	137.1	133.9
Overheads									
Interest paid	104.2	110.7	118.1	120.9	123.8	127.8	142.6	116.7	111.1
Rates and taxes	115.5	119.1	121.9	124.8	128.9	132.7	137.3	141.6	144.8
Insurance	118.6	124.5	128.8	131.9	135.1	139.4	143.5	155.6	168.7
Other overheads	111.9	115.4	118.1	121.0	124.8	128.5	132.8	137.1	140.5
Total	109.9	115.2	120.6	123.5	126.8	130.8	141.8	126.6	124.3
Capital items									
Plant and equipment	116.0	119.2	122.2	125.4	129.5	133.4	137.9	142.3	145.9
Structures	112.0	115.3	118.6	122.2	125.8	129.6	134.0	138.3	141.8
Total	115.2	118.3	121.3	124.4	128.4	132.3	136.8	141.1	144.7
Total prices paid									
Excluding capital items	112.9	121.5	123.0	126.3	129.4	135.9	155.1	148.9	141.6
Excluding capital and overheads	112.4	121.8	123.1	126.5	129.4	136.2	157.3	149.8	141.3
Excluding seed, fodder and store and breeding stock	113.0	123.3	123.7	127.2	129.9	137.6	161.7	156.7	146.2
	112.1	115.6	119.2	123.6	129.2	133.6	150.3	146.4	139.6

Note: ABARE revised the method for calculating these indexes in October 1999. The indexes for the different groups of farm cost items are now calculated on a chained weight basis using Fishers' ideal index with a reference year of 1997-98 = 100.

Source: ABARES.

93 Indicative interest rates for the Australian farm sector

	Australian broadacre farms ^a	Major trading banks		
		Overdrafts for small businesses ^b	90 day bank bills	
		%	%	
1970-71	na	na	7.13	
1971-72	na	na	5.97	
1972-73	na	na	5.09	
1973-74	na	na	11.33	
1974-75	na	na	10.54	
1975-76	na	10.45	8.55	
1976-77	na	10.45	9.76	
1977-78	9.20	10.45	10.25	
1978-79	8.88	10.15	9.54	
1979-80	9.24	10.11	11.02	
1980-81	10.09	11.46	13.42	
1981-82	11.48	13.68	16.83	
1982-83	11.35	14.14	14.28	
1983-84	12.02	13.78	11.87	
1984-85	12.48	14.08	13.22	
1985-86	15.45	17.29	16.76	
1986-87	15.56	18.32	15.87	
1987-88	13.86	15.11	11.90	
1988-89	14.28	17.68	15.55	
1989-90	16.67	20.34	16.94	
1990-91	14.12	16.17	12.29	
1991-92	12.02	12.83	8.15	
1992-93	9.67	10.48	5.64	
1993-94	9.29	9.59	4.87	
1994-95	9.67	10.70	7.19	
1995-96	10.43	11.43	7.51	
1996-97	9.20	10.49	6.31	
1997-98	8.30	8.84	4.99	
1998-99	7.80	7.82	4.90	
1999-00	8.00	8.23	5.60	
2000-01	8.70	9.05	5.80	
2001-02	7.91	7.91	4.58	
2002-03	7.56	8.20	4.83	
2003-04	8.01	8.51	5.28	
2004-05	8.29	8.78	5.54	
2005-06	na	8.99	5.68	
2006-07	na	9.60	6.33	
2007-08	na	10.59	7.31	
2008-09	na	10.05	4.75	
2009-10	na	9.48	4.05	

^a Estimated average rate paid by all broadacre farms on all farm business debt for the year ended 30 June. ^b Refers to the midpoint of a range of rates that apply to the lowest risk borrowers for a range of banks. In practice many borrowers pay an additional risk margin. na Not available.

Sources: Reserve Bank of Australia; ABARES.

94 Rural indebtedness to financial institutions

	Rural debt					Deposits	
	All banks a	Other	Pastoral and other finance companies	Large finance institutional debt	Other farm debt c	Total rural debt	Farm management deposits
		\$m	\$m	\$m	\$m	\$m	\$m
1980-81	3 161	801	325	4 287	na	na	na
1981-82	3 418	842	384	4 644	na	na	na
1982-83	3 980	1 049	385	5 414	na	na	na
1983-84	4 284	1 139	495	5 918	na	na	na
1984-85	5 254	1 230	601	7 085	na	na	na
1985-86	5 976	1 220	739	7 935	na	na	na
1986-87	5 705	1 515	1 345	8 566	na	na	na
1987-88	6 023	1 664	1 195	8 883	1 250	10 133	na
1988-89	7 430	1 803	1 503	10 735	1 350	12 085	na
1989-90	8 514	1 910	1 523	11 946	1 410	13 356	na
1990-91	8 666	1 877	1 205	11 748	1 436	13 184	na
1991-92	9 158	1 856	1 379	12 393	1 460	13 853	na
1992-93	10 049	1 879	1 041	12 969	1 580	14 549	na
1993-94	13 722	1 909	1 150	16 781	1 631	18 412	na
1994-95	14 485	1 872	1 368	17 725	1 690	19 415	na
1995-96	16 351	735	1 720	18 805	1 792	20 597	na
1996-97	17 466	698	2 065	20 228	1 760	21 988	na
1997-98	18 566	609	1 979	21 154	1 810	22 964	na
1998-99	20 085	661	1 093	21 840	1 852	23 692	229
1999-00	23 240	663	2 527	26 430	1 901	28 331	590
2000-01	25 174	701	2 639	28 514	1 920	30 434	1 033
2001-02	26 829	711	2 691	30 231	1 967	32 198	2 074
2002-03	28 957	867	1 628	31 452	2 017	33 469	2 480
2003-04	34 115	891	3 379	38 385	2 067	40 452	2 619
2004-05	39 261	977	3 112	43 350	na	na	2 792
2005-06	43 546	1 073	3 454	48 073	na	na	2 797
2006-07	47 188	1 286	4 592	53 066	na	na	2 782
2007-08	53 743	1 409	5 126	60 278	na	na	2 879
2008-09	57 384	1 620	4 462	63 467	na	na	2 843
2009-10	59 331	1 816	2 029	63 176	na	na	2 784

a Derived from all banks lending to agriculture, fishing and forestry. b Includes the government agency business of state banks and advances made under War Service Land Settlement. Before 1996, includes loans from the Queensland Industry Development Corporation. From 1996, these loans are included in bank lending. c Includes loans from life insurance companies, lease agreements and indebtedness to hire purchase companies, trade creditors, private lenders and small financial institutions. na Not available.

Sources: Reserve Bank of Australia, *Estimated Rural Debt to Specified Lenders*, Bulletin Statistical Table D9; Department of Agriculture, Fisheries and Forestry; ABARES.

95 Australian tractors sales, by type

	By power segment, by volume ^a				By power segment, by value						
	Under 30 kW		30–90 kW		Total	Under 30 kW		30–90 kW			
	no.	no.	no.	no.	\$m	\$m	\$m	\$m			
1992-93	1 290	3 633	965	5 888	21	198	117	336			
1993-94	1 200	4 235	1 152	6 587	21	208	148	378			
1994-95	1 050	4 806	1 335	7 191	19	249	177	444			
1995-96	1 017	4 652	1 982	7 651	19	257	276	553			
1996-97	1 131	4 666	2 736	8 533	21	276	402	699			
1997-98	1 057	4 657	2 896	8 610	21	283	443	747			
1998-99	1 119	4 993	2 361	8 473	25	337	420	782			
1999-00	1 185	4 753	2 107	8 045	29	289	335	653			
2000-01	1 151	3 997	1 431	6 579	28	273	263	565			
2001-02	1 119	5 284	1 784	8 187	31	397	352	779			
2002-03	1 326	5 634	2 025	8 985	30	379	388	797			
2003-04	1 965	5 980	2 655	10 600	41	434	516	991			
2004-05	2 357	6 979	3 068	12 404	48	499	612	1 159			
2005-06	2 724	7 275	2 547	12 546	54	509	498	1 061			
2006-07	2 635	6 109	1 542	10 286	54	393	294	741			
2007-08	3 095	6 924	1 831	11 850	65	448	355	868			
2008-09	3 546	7 318	2 288	13 152	76	475	467	1 018			
2009-10	3 571	6 472	2 231	12 274	79	464	495	1 038			
2007											
March	687	1 430	400	2 517	14	90	80	184			
June	654	1 597	442	2 693	14	104	84	202			
September	586	1 433	309	2 328	13	92	57	162			
December	945	1 968	371	3 284	19	128	69	217			
2008											
March	808	1 541	510	2 859	17	100	106	223			
June	756	1 982	641	3 379	16	127	122	266			
September	749	1 721	402	2 872	16	109	73	198			
December	873	1 557	452	2 882	18	98	84	201			
2009											
March	888	1 533	558	2 979	18	98	117	233			
June	1 036	2 507	876	4 419	23	171	194	387			
September	784	1 454	487	2 725	18	103	105	226			
December	1 153	1 969	570	3 692	26	137	120	283			
2010											
March	754	1 445	499	2 698	16	107	117	240			
June	880	1 604	675	3 159	19	117	152	288			

^a Tractor power ratings refer to power takeoff, power in kilowatts. **na** Not available.

Source: Agriview, Victoria, Australia.

Farm inputs

96 Value of Australian trade in selected farm machinery

	Imports ^a				Exports			
	Harvesting/				Harvesting/			
	Tractors	Tillage machinery	haymaking machinery	Seeding machinery	Tractors	Tillage machinery	haymaking machinery	Seeding machinery
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1971-72	22 081	541	1 859	196	513	2 120	4 696	256
1972-73	36 711	466	4 346	289	662	2 550	8 260	1 030
1973-74	41 606	1 008	9 495	572	411	3 016	9 453	1 111
1974-75	84 148	2 787	21 815	674	790	6 975	15 628	2 247
1975-76	116 290	3 215	21 164	665	2 440	5 889	12 080	626
1976-77	149 663	8 275	38 867	1 177	946	3 314	16 954	747
1977-78	110 697	8 338	46 932	1 744	1 165	4 775	8 888	2 293
1978-79	111 518	7 991	37 021	1 759	2 064	2 178	10 431	873
1979-80	169 008	10 472	62 964	2 316	3 742	2 578	12 268	1 481
1980-81	198 398	11 206	83 650	3 847	8 053	3 733	24 308	9 009
1981-82	260 771	14 252	89 061	3 362	6 638	6 224	12 897	4 002
1982-83	149 386	8 558	52 568	2 529	7 852	2 157	11 357	2 036
1983-84	174 936	10 585	109 281	3 516	4 804	1 935	4 764	2 236
1984-85	241 827	16 372	119 629	4 074	2 201	1 215	6 635	2 578
1985-86	198 476	9 822	68 493	3 555	7 352	1 268	13 745	5 945
1986-87	58 178	4 333	22 588	1 969	5 255	767	8 660	1 333
1987-88	124 132	7 528	39 628	4 189	2 892	1 214	18 183	609
1988-89	7 843	13 269	76 583	5 567	1 151	1 614	8 573	417
1989-90	7 697	22 090	96 195	5 913	1 576	1 133	12 311	889
1990-91	46 739	11 881	64 362	4 045	2 329	2 536	7 313	335
1991-92	91 061	8 631	43 394	4 002	3 320	3 726	11 599	1 013
1992-93	178 920	13 291	72 578	5 011	3 472	2 232	18 095	1 198
1993-94	245 154	15 220	118 227	6 835	2 666	2 952	32 368	856
1994-95	312 964	17 534	142 110	10 342	3 151	1 764	33 324	1 547
1995-96	366 038	25 448	170 307	14 505	2 419	2 933	43 725	1 529
1996-97	454 201	29 511	253 428	22 501	3 404	2 787	33 585	1 961
1997-98	512 157	30 278	243 655	30 525	2 975	1 446	34 408	1 412
1998-99	515 845	30 345	241 217	24 967	2 165	2 520	31 776	1 104
1999-00	416 136	30 127	229 839	24 214	2 348	2 820	30 533	673
2000-01	376 921	20 521	228 927	19 085	4 054	5 230	23 965	1 388
2001-02	477 563	25 789	161 079	29 197	5 720	3 386	45 404	1 214
2002-03	504 775	24 851	225 770	31 722	4 001	1 048	27 105	2 498
2003-04	596 319	31 176	249 504	33 546	2 983	1 302	21 703	1 426
2004-05	664 085	31 042	278 636	39 942	16 212	1 114	6 236	1 458
2005-06	567 629	26 697	236 230	28 691	13 117	1 814	4 495	610
2006-07	420 186	29 316	191 301	21 320	11 842	2 737	3 637	1 634
2007-08	466 924	30 258	164 554	33 465	17 619	5 269	4 126	797
2008-09	682 536	44 957	330 216	67 377	14 069	8 334	5 537	2 277
2009-10	663 418	42 580	367 261	60 220	10 317	10 170	2 738	2 488

^a Fob at the port of origin.

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra.

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Australian fertiliser prices, by type ^a

	Single superphosphate ^b \$/t	Diammonium phosphate ^b \$/t	Ammonium sulphate ^c \$/t	Potassium chloride ^c \$/t	Urea ^c \$/t	Index of prices paid for fertiliser ^d
1969-70	na	na	na	na	na	9.4
1970-71	16.18	na	40.41	69.10	79.24	11.6
1971-72	16.87	na	40.09	69.32	80.62	11.6
1972-73	16.99	na	40.79	68.80	81.44	11.6
1973-74	19.20	113.00	61.00	83.80	87.20	13.7
1974-75	54.60	na	103.00	103.40	120.60	30.8
1975-76	55.60	215.40	105.00	128.60	140.60	27.3
1976-77	53.16	135.00	91.80	109.45	153.95	28.0
1977-78	59.04	na	104.32	111.89	175.21	29.4
1978-79	56.76	247.80	112.06	117.54	185.16	32.1
1979-80	70.74	296.60	128.71	145.14	245.64	39.0
1980-81	83.40	337.60	149.14	176.42	274.23	46.5
1981-82	92.84	337.60	156.53	187.02	269.18	51.3
1982-83	101.42	334.00	155.64	180.50	261.11	52.6
1983-84	105.11	322.95	175.92	206.60	286.30	56.0
1984-85	118.46	342.17	218.19	267.29	321.50	62.2
1985-86	131.00	378.00	209.00	271.00	280.00	68.3
1986-87	128.00	339.00	211.00	279.00	276.00	67.0
1987-88	132.70	379.00	212.20	294.15	303.00	68.3
1988-89	155.40	396.00	229.40	328.70	339.70	76.9
1989-90	165.80	364.70	259.50	341.00	324.00	82.4
1990-91	177.10	389.00	276.00	361.80	390.00	85.0
1991-92	180.00	385.20	289.60	368.70	380.70	90.3
1992-93	173.00	368.80	293.10	367.50	389.70	88.7
1993-94	174.50	343.80	298.40	373.50	382.90	87.1
1994-95	179.10	417.30	319.20	372.30	455.90	89.6
1995-96	184.20	449.30	325.90	369.20	479.60	98.2
1996-97	179.17	460.25	317.88	362.75	434.80	99.2
1997-98	196.50	497.83	343.00	409.17	380.60	100.0
1998-99	197.00	487.83	339.25	437.50	333.80	102.7
1999-00	197.80	441.50	361.00	474.75	371.60	99.8
2000-01	209.83	475.25	377.25	511.25	443.60	106.4
2001-02	222.92	455.37	404.00	405.56	376.26	104.3
2002-03	233.92	448.06	399.00	412.50	363.33	106.9
2003-04	222.79	458.58	344.00	387.00	377.33	102.8
2004-05	220.40	468.90	340.57	428.83	441.73	108.8
2005-06	227.80	532.13	376.80	441.70	471.47	111.6
2006-07	241.11	649.67	385.22	472.38	512.44	121.4
2007-08	446.08	1 128.85	610.72	883.26	851.68	220.4
2008-09	510.24	1 336.04	679.64	1 139.52	878.08	239.6
2009-10	351.41	752.88	418.40	927.42	533.12	156.0

^a Average price paid by Australian farmers to 30 June. ^b Bulk price. ^c Bagged price from 1970 to 2001; Bulk price from 2002 onwards. ^d Based on a four quarter average for the year ending 30 June. na Not available.

Sources: Department of Primary Industry, *Chemical Fertilisers in Australia*, AGPS, Canberra; The Land, *Farm Costs Guide*; Farm Weekly, *Budget Guide*; Stock Journal, *Farm Budget Guide*; Other unpublished sources; ABARES.

Farm inputs

98 World fertiliser indicator prices

	Phosphate rock ^a	Sulphur ^b	Diam- monium phosphate ^c	Triple super- phosphate ^c	Ammonia ^d	Urea ^d	Potash ^e
	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t
1994-95	49.7	75.2	270.0	216.3	335.0	258.6	152.6
1995-96	49.9	63.2	300.7	229.5	262.6	273.4	149.0
1996-97	46.8	41.8	264.9	246.3	278.1	239.4	144.3
1997-98	53.9	44.8	302.2	279.7	233.0	190.3	166.2
1998-99	75.1	40.9	326.2	296.3	192.9	168.4	179.9
1999-00	74.8	64.1	268.4	242.8	226.6	190.1	178.9
2000-01	87.4	56.5	310.6	283.2	429.5	310.7	209.2
2001-02	89.8	46.5	298.8	262.4	286.2	216.5	214.9
2002-03	80.7	80.4	312.4	277.9	357.3	253.5	193.2
2003-04	66.5	101.8	305.4	260.0	397.0	268.9	159.1
2004-05	62.6	96.0	337.8	274.5	417.4	343.9	192.4
2005-06	63.1	103.1	388.4	297.5	504.7	351.1	218.1
2006-07	60.0	68.6	438.0	na	415.5	375.5	243.1
2007-08	na	184.1	870.4	na	514.3	480.4	294.4
2008-09	303.5	238.8	1015.8	na	626.1	582.5	802.2
2009-10	na	89.4	474.7	na	384.1	354.3	474.7
2005							
March	60.5	92.7	325.6	270.2	376.2	327.9	196.4
June	61.3	93.8	332.1	276.3	433.9	373.5	198.8
September	62.0	99.6	376.7	296.5	432.5	357.8	201.1
December	63.3	104.0	394.1	300.6	565.4	363.7	218.8
2006							
March	63.8	104.9	392.1	302.7	532.6	351.4	227.5
June	63.1	103.7	390.8	290.2	488.5	331.4	225.0
September	62.2	79.0	384.5	292.4	369.1	316.7	243.6
December	61.2	66.4	367.5	na	399.1	337.2	250.7
2007							
March	59.9	54.8	427.2	na	474.5	433.1	245.3
June	56.7	74.1	571.5	na	417.9	413.9	232.0
September	na	122.1	566.3	na	351.7	393.9	227.5
December	na	174.1	595.9	na	381.9	462.6	227.5
2008							
March	na	440.2	914.1	na	643.4	467.4	251.4
June	na	na	1405.4	na	680.3	597.6	471.1
September	318.3	842.5	1486.9	na	862.6	900.8	613.3
December	445.1	na	1493.9	na	944.7	597.7	810.0
2009							
March	450.6	60.1	620.3	na	284.2	454.5	888.5
June	na	52.6	462.1	na	412.8	377.1	896.9
September	na	39.0	399.7	na	266.9	354.9	655.4
December	na	40.2	377.1	na	372.9	341.6	466.3
2010							
March	na	121.5	548.1	na	373.5	377.0	403.3
June	na	156.8	574.0	na	523.1	343.5	373.8

^a US Gulf 68 BPL for the period to June 30 1998. Data after June 1998 refer to Jordan 70-74 BPL. ^b Vancouver spot. ^c Fob US Gulf. ^d Fob Middle East for the period to 30 June 1993 when data from this source became unavailable. Data after 30 June 1993 refer to fob US Gulf. ^e Vancouver standard muriate. na Not available.

Source: Derived from data in Pike and Fischer, *Green Markets*, Maryland, United States.

99 Australian fertiliser consumption, by element

	Phosphate (P ₂ O ₅) kt	Nitrogen (N) kt	Potash (K ₂ O) kt
1989-90	790.5	440.3	162.6
1990-91	578.9	439.4	145.4
1991-92	680.2	462.3	142.1
1992-93	782.3	488.2	147.4
1993-94	770.0	565.4	176.1
1994-95	922.7	583.2	219.6
1995-96	965.3	671.3	230.8
1996-97	985.3	824.6	206.0
1997-98	1 090.1	839.4	254.6
1998-99	1 039.0	979.0	232.0
1999-00	1 055.0	1 082.0	216.0
2000-01	1 107.0	951.0	217.0
2001-02	1 108.0	1 049.9	225.4
2002-03	1 077.4	972.3	215.6
2003-04	1 078.2	918.6	214.2
2004-05	1 157.9	1 114.3	317.8
2005-06	1 139.2	954.4	273.3
2006-07	840.8	841.9	220.8
2007-08	820.3	793.9	209.1
2008-09	693.8	696.7	99.8
2009-10	na	na	na

na Not available.

Sources: UN FAO, *World Fertilisers Year Book*, Rome; UN FAO, FAOSTAT - ResourceSTAT Database, Rome; International Fertilizer Industry Association; ABARES.

100 Volume of Australian imports of fertiliser, by element

	Phosphate (P ₂ O ₅) kt	Nitrogen (N) kt	Potash (K ₂ O) kt
1989-90	305.0	257.2	173.0
1990-91	306.0	270.1	147.2
1991-92	331.6	257.2	145.4
1992-93	464.1	308.6	153.7
1993-94	447.3	392.2	179.1
1994-95	516.0	406.8	219.6
1995-96	604.1	469.3	218.6
1996-97	644.5	597.7	196.9
1997-98	713.7	654.7	258.9
1998-99	696.5	695.1	213.0
1999-00	667.7	842.1	211.9
2000-01	661.0	699.5	220.8
2001-02	633.6	767.1	256.2
2002-03	568.1	709.8	240.7
2003-04	589.5	704.1	215.1
2004-05	630.9	869.7	318.2
2005-06	696.8	739.4	273.9
2006-07	348.0	614.2	221.3
2007-08	420.3	590.6	210.6
2008-09	471.9	677.0	339.8
2009-10	na	na	na

na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; UN FAO, *World Fertilisers Year Book*, Rome; UN FAO, FAOSTAT - ResourceSTAT Database, Rome; ABARES.

101 Volume of Australian imports of raw materials for fertiliser production, by source

	Sulphur			Phosphate rock					
	Christmas								
	Canada kt	Other kt	Island kt	China kt	Morocco kt	Nauru kt	Togo kt	Other kt	Total kt
1971-72	212	65	503	na	0	na	na	na	1 654
1972-73	396	10	684	na	0	na	na	na	2 282
1973-74	381	23	955	na	0	na	na	na	3 104
1974-75	502	78	1 002	na	0	na	na	na	2 639
1975-76	180	26	503	na	0	na	na	na	1 461
1976-77	381	26	567	na	0	na	na	na	1 319
1977-78	470	26	487	na	0	na	na	na	1 610
1978-79	337	99	543	na	0	na	na	na	1 756
1979-80	627	60	674	na	0	na	na	na	1 936
1980-81	552	4	624	na	0	na	na	na	2 232
1981-82	459	0	780	na	25	na	na	na	2 360
1982-83	371	21	699	na	0	na	na	na	2 111
1983-84	470	0	456	na	25	na	na	na	1 688
1984-85	420	1	533	na	111	na	na	na	1 762
1985-86	458	0	506	na	103	na	na	na	1 921
1986-87	329	1	370	na	66	na	na	na	1 459
1987-88	462	11	240	na	256	na	na	na	1 808
1988-89	506	13	0	0	310	1 203	162	562	2 237
1989-90	382	13	0	0	236	768	171	256	1 430
1990-91	108	9	0	0	93	224	25	134	476
1991-92	38	6	0	0	0	257	0	218	474
1992-93	79	20	0	0	62	355	31	401	849
1993-94	71	0	13	0	144	203	33	383	776
1994-95	122	22	22	0	182	178	177	508	1 067
1995-96	114	31	47	32	136	191	0	505	911
1996-97	113	32	66	50	104	167	0	519	906
1997-98	126	5	126	79	238	153	0	464	1 060
1998-99	231	94	146	44	273	88	0	332	884
1999-00	11	7	50	107	151	106	0	342	756
2000-01	7	46	0	293	145	119	0	266	823
2001-02	12	4	0	266	94	27	243	303	933
2002-03	36	21	0	200	48	16	244	202	711
2003-04	1	24	44	179	198	0	253	49	723
2004-05	32	24	38	210	381	0	163	5	797
2005-06	27	6	101	86	405	0	48	15	655
2006-07	32	6	61	23	343	27	0	18	472
2007-08	202	4	52	55	438	112	0	49	707
2008-09	75	3	60	15	284	86	0	95	540
2009-10	0	3	11	1	73	0	0	0	85

na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Primary Industry, *Chemical Fertilisers in Australia*, AGPS, Canberra.

102 Volume of Australian trade in manufactured fertiliser, by type

	Imports						Exports		
	Triple superphosphate kt	Diammonium phosphate kt	Monammonium phosphate kt	Other ammonium kt	Urea kt	Potassic fertiliser kt	Nitrogen fertiliser kt	Ammonium phosphates kt	
1970-71	3.1	0.0	0.0	15.1	0.0	na	0.8	0.0	
1971-72	2.4	0.0	0.0	27.3	0.0	na	7.8	0.0	
1972-73	2.0	0.0	0.0	9.3	1.3	na	21.4	0.0	
1973-74	1.8	0.0	0.0	4.1	0.1	na	37.9	0.0	
1974-75	0.3	0.0	0.0	6.5	4.3	na	7.3	0.0	
1975-76	0.1	0.0	0.0	0.3	4.7	na	47.9	0.0	
1976-77	20.7	0.0	0.0	6.3	17.9	na	1.2	0.0	
1977-78	10.1	0.0	0.0	9.4	10.2	na	7.2	0.0	
1978-79	66.3	0.2	0.0	8.9	16.7	na	8.2	0.0	
1979-80	0.0	2.2	0.0	30.7	41.2	na	24.2	0.0	
1980-81	0.0	51.2	9.0	38.7	40.2	na	22.9	0.0	
1981-82	0.0	50.5	8.9	62.7	43.2	na	18.5	0.0	
1982-83	25.2	183.6	32.4	22.7	76.6	na	21.2	0.0	
1983-84	35.1	257.5	45.9	14.7	64.0	na	4.5	0.0	
1984-85	55.4	306.6	54.4	46.3	138.2	na	34.6	0.0	
1985-86	48.1	229.4	40.2	41.7	144.2	na	6.2	0.0	
1986-87	76.4	201.8	38.2	80.3	177.2	na	10.3	0.0	
1987-88	88.4	124.7	15.3	98.9	212.0	na	16.1	0.1	
1988-89	97.3	250.3	103.1	113.1	255.1	299.4	46.5	0.1	
1989-90	114.3	320.3	164.2	78.6	361.7	289.7	48.3	0.1	
1990-91	157.8	347.3	141.1	42.9	388.8	247.4	96.6	0.1	
1991-92	264.4	355.0	206.2	90.2	364.5	244.4	61.0	0.8	
1992-93	249.9	482.7	250.0	116.8	367.2	258.4	50.9	0.2	
1993-94	204.2	501.2	237.5	133.7	526.5	301.0	76.7	0.4	
1994-95	306.8	548.5	232.6	124.9	554.3	367.8	66.9	0.4	
1995-96	269.3	715.4	291.5	154.0	594.9	366.0	40.1	0.3	
1996-97	335.5	706.0	317.3	197.3	850.7	329.3	33.1	0.1	
1997-98	351.8	757.1	391.6	118.1	953.3	435.0	44.2	0.2	
1998-99	284.9	771.7	413.6	78.5	1 038.2	357.1	68.9	0.6	
1999-00	240.4	570.2	580.0	74.9	1 399.8	353.3	75.3	23.0	
2000-01	224.1	447.4	647.4	22.6	1 139.5	346.0	117.2	283.7	
2001-02	280.2	271.0	659.2	75.5	1 295.8	416.9	101.4	180.2	
2002-03	188.1	237.2	691.3	72.0	1 072.8	432.6	172.8	255.9	
2003-04	163.5	211.6	740.5	62.1	1 156.6	447.0	135.7	264.6	
2004-05	231.8	286.7	926.3	180.2	1 288.6	496.7	205.5	313.5	
2005-06	310.3	202.5	528.2	144.4	1 056.1	403.7	186.6	312.3	
2006-07	165.6	83.0	443.1	107.9	794.6	306.1	269.4	154.9	
2007-08	106.8	312.8	582.5	113.5	1 032.5	465.0	310.8	237.0	
2008-09	107.3	214.0	455.3	228.1	884.8	331.2	398.6	480.8	
2009-10	159.8	192.9	432.9	200.1	1 069.2	273.6	354.9	439.0	

na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Primary Industry, *Chemical Fertilisers in Australia*, AGPS, Canberra.

Farm inputs

103 Volume of Australian fertiliser imports, by state

	Triple superphosphate kt	Diammonium phosphate kt	Monammonium phosphate kt	Ammonium fertilisers		Urea kt	Potassic fertiliser kt	Phosphate rock kt
New South Wales								
2004-05	15.9	26.9	129.1	0.4	36.5	108.2	20.2	94.0
2005-06	23.0	22.4	64.9	0.6	17.3	60.5	16.2	60.0
2006-07	37.4	0.3	46.3	0.9	25.4	68.0	14.6	44.4
2007-08	15.7	25.1	55.9	1.0	18.5	78.4	12.0	97.1
2008-09	3.1	23.5	33.3	1.3	35.5	66.9	9.4	67.1
2009-10	60.0	28.2	54.0	1.7	40.3	81.3	10.3	0.1
Victoria								
2004-05	65.2	93.5	331.4	1.5	1.2	365.6	103.2	404.2
2005-06	185.8	64.2	145.1	1.7	0.9	393.9	140.3	310.3
2006-07	63.4	13.1	113.6	2.5	0.6	242.0	85.2	257.8
2007-08	36.5	124.6	192.1	3.6	6.1	364.8	151.9	367.1
2008-09	39.0	48.7	144.3	6.5	5.4	247.4	76.6	283.2
2009-10	56.9	41.9	156.3	12.0	7.6	343.6	77.7	31.0
Queensland								
2004-05	13.8	0.0	66.8	1.3	94.3	273.8	98.8	2.2
2005-06	3.2	0.0	34.4	4.2	94.7	146.7	72.2	1.6
2006-07	6.7	0.1	11.4	2.4	54.9	152.3	81.9	2.2
2007-08	4.6	0.1	24.0	3.4	33.6	167.9	105.0	1.8
2008-09	0.0	1.2	8.2	3.1	79.4	163.9	67.7	2.2
2009-10	0.2	3.3	8.5	4.7	83.8	138.0	89.7	0.8
Western Australia								
2004-05	119.2	97.4	310.2	1.0	38.7	371.2	210.9	138.1
2005-06	71.3	96.9	267.2	1.4	18.0	304.8	96.1	176.8
2006-07	55.5	55.4	243.3	1.6	15.6	211.9	46.7	124.3
2007-08	46.5	87.5	273.0	0.9	33.5	299.9	145.8	145.9
2008-09	59.9	81.1	236.2	65.7	24.5	305.2	151.9	110.5
2009-10	31.2	52.1	183.3	23.6	16.6	359.1	75.2	53.0
South Australia								
2004-05	4.8	68.9	88.8	0.8	4.6	148.8	15.9	0.1
2005-06	22.3	19.0	16.7	0.9	4.7	124.3	16.5	0.0
2006-07	2.5	14.1	28.5	1.2	2.7	91.8	11.7	0.0
2007-08	0.1	75.5	37.6	1.5	11.4	84.8	17.1	0.2
2008-09	5.3	59.5	33.2	2.1	3.8	84.9	8.6	0.0
2009-10	2.5	65.0	30.8	5.4	3.7	126.3	6.4	0.0
Tasmania								
2004-05	13.0	0.0	0.0	0.0	0.0	21.0	24.8	158.4
2005-06	4.7	0.0	0.0	0.0	0.0	26.0	26.8	106.1
2006-07	0.0	0.0	0.0	0.0	0.1	28.5	19.4	43.5
2007-08	3.4	0.0	0.0	0.0	0.1	36.7	31.7	94.7
2008-09	0.0	0.0	0.0	0.0	0.9	16.5	15.7	76.6
2009-10	9.0	2.5	0.0	0.0	0.7	21.0	13.4	0.0
Australia								
2004-05	231.8	286.7	926.3	4.9	175.3	1 288.6	496.7	797.0
2005-06	310.3	202.5	528.2	8.8	135.6	1 056.1	403.7	654.7
2006-07	165.6	83.0	443.1	8.6	99.3	794.6	306.1	472.2
2007-08	106.8	312.8	582.5	10.4	103.1	1 032.5	465.0	706.6
2008-09	107.3	214.0	455.3	78.7	149.4	884.8	331.2	539.7
2009-10	159.8	192.9	432.9	47.5	152.7	1 069.2	273.6	84.9

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

104 Value of Australian fertiliser imports, by state ^a

	Triple superphosphate \$m	Diammonium phosphate \$m	Monammonium phosphate \$m	Ammonium fertilisers		Urea \$m	Potassic fertiliser \$m	Phosphate rock \$m
New South Wales								
2004-05	3.89	8.33	39.88	0.10	12.31	30.61	4.64	5.76
2005-06	5.45	8.07	22.95	0.13	5.88	19.28	4.57	5.16
2006-07	13.99	0.21	20.11	0.19	8.80	22.18	4.31	3.43
2007-08	9.25	23.11	48.52	0.19	6.25	35.70	4.79	9.61
2008-09	1.61	13.38	18.71	0.51	28.80	37.56	10.29	24.88
2009-10	12.12	16.05	24.65	0.43	20.28	26.17	6.13	0.02
Victoria								
2004-05	10.50	28.20	100.59	0.36	0.32	107.50	21.44	23.07
2005-06	31.31	23.17	53.52	0.40	0.25	124.54	39.24	19.74
2006-07	24.73	4.45	51.00	0.51	0.19	79.26	21.97	17.69
2007-08	21.86	101.35	164.40	1.08	2.05	152.21	51.74	39.78
2008-09	17.79	27.56	79.37	2.22	3.03	145.51	66.62	98.29
2009-10	16.23	22.55	78.72	3.51	2.93	116.36	35.82	3.64
Queensland								
2004-05	2.81	0.02	20.51	0.24	33.32	78.73	21.34	0.33
2005-06	0.90	0.00	11.54	0.89	37.51	46.94	17.91	0.28
2006-07	1.75	0.06	4.92	0.50	17.97	48.92	21.86	0.40
2007-08	1.97	0.05	17.86	0.99	11.89	58.26	34.41	0.35
2008-09	0.00	0.73	7.45	1.35	62.21	108.88	62.94	1.14
2009-10	0.06	1.49	3.86	1.21	38.83	43.63	52.11	0.32
Western Australia								
2004-05	28.55	29.83	96.95	0.20	14.65	116.89	42.05	10.02
2005-06	15.04	35.62	95.35	0.30	6.01	99.26	25.39	10.78
2006-07	12.40	21.67	92.58	0.37	4.92	77.48	13.90	7.17
2007-08	25.48	74.24	191.37	0.22	12.48	150.93	56.01	18.25
2008-09	50.40	63.79	211.70	23.95	15.31	145.20	190.82	41.75
2009-10	5.64	25.55	81.55	2.65	5.88	114.45	38.32	5.99
South Australia								
2004-05	1.26	20.95	27.85	0.16	1.11	44.98	4.21	0.02
2005-06	4.79	7.04	6.27	0.19	1.42	40.13	4.88	0.00
2006-07	0.65	5.49	12.95	0.22	0.92	33.28	3.35	0.00
2007-08	0.05	61.78	31.91	0.46	3.38	39.00	6.56	0.06
2008-09	2.01	34.90	19.76	0.61	1.96	42.66	8.15	0.01
2009-10	0.71	34.65	14.59	1.25	1.34	42.15	4.20	0.00
Tasmania								
2004-05	2.62	0.00	0.00	0.00	0.00	6.42	5.33	9.37
2005-06	1.33	0.00	0.00	0.00	0.00	8.42	7.35	6.14
2006-07	0.00	0.00	0.00	0.01	0.03	9.34	5.35	3.07
2007-08	4.34	0.00	0.00	0.00	0.03	13.74	10.69	11.63
2008-09	0.00	0.00	0.00	0.00	0.53	12.04	14.89	26.57
2009-10	1.33	1.37	0.00	0.00	0.31	6.60	5.77	0.00
Australia								
2004-05	49.63	87.32	285.78	1.05	61.71	385.13	99.01	48.56
2005-06	58.83	73.89	189.64	1.90	51.08	338.57	99.34	42.11
2006-07	53.53	31.88	181.56	1.80	32.83	270.46	70.73	31.76
2007-08	62.93	260.54	454.07	2.94	36.08	449.83	164.21	79.67
2008-09	71.81	140.37	336.99	28.63	111.83	491.85	353.72	192.65
2009-10	36.10	101.66	203.37	9.06	69.57	349.35	142.36	9.98

^a Fob at the port of origin.

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

Farm inputs

105 Volume of Australian fertiliser imports, by quarter

	Triple superphosphate kt	Diammonium phosphate kt	Monammonium phosphate kt	Ammonium fertilisers		Urea kt	Potassic fertiliser kt	Phosphate rock kt
2003								
March	94.3	127.9	308.3	3.6	19.3	336.0	169.6	144.5
June	25.2	82.8	198.7	13.2	14.5	462.8	95.8	122.4
September	27.9	5.6	70.8	0.7	7.6	163.7	77.7	164.7
December	15.5	12.5	177.8	0.7	27.0	214.7	48.7	225.3
2004								
March	71.6	126.7	295.4	1.3	7.1	246.6	141.7	119.1
June	48.4	67.0	196.6	5.7	12.0	531.6	178.9	214.0
September	60.1	25.2	95.0	0.7	22.9	299.2	92.8	120.0
December	68.4	51.9	189.5	1.0	50.1	157.2	92.5	242.2
2005								
March	62.4	120.6	345.1	1.6	60.0	296.8	138.2	193.2
June	40.9	89.1	296.7	1.6	42.2	535.4	173.2	241.7
September	19.3	16.3	118.0	3.9	40.7	211.4	114.1	146.8
December	127.1	33.0	95.3	0.9	29.3	106.8	70.5	239.5
2006								
March	112.8	96.8	217.0	2.2	46.6	290.9	110.2	70.9
June	51.1	56.4	98.0	1.8	19.0	447.0	108.8	197.6
September	5.8	0.0	50.2	2.2	21.8	234.5	78.0	123.1
December	2.9	0.2	11.4	1.0	24.7	75.8	88.9	145.7
2007								
March	50.0	54.2	238.7	2.3	18.8	85.5	65.2	55.4
June	107.0	28.6	142.8	3.2	34.0	398.7	74.0	148.0
September	0.0	6.2	20.9	2.5	30.2	304.9	116.4	92.9
December	15.4	67.4	122.2	1.7	17.7	121.8	89.8	278.8
2008								
March	31.4	106.5	242.2	2.5	29.4	207.1	124.3	108.9
June	59.9	132.7	197.2	3.7	25.8	398.8	134.5	226.1
September	22.0	24.2	28.8	33.2	28.8	304.3	134.4	322.8
December	21.3	6.9	72.4	22.0	77.6	73.9	168.2	188.8
2009								
March	42.7	63.6	175.2	3.1	23.6	163.4	16.7	0.6
June	21.3	119.3	179.0	20.4	19.3	343.2	11.9	27.5
September	0.3	2.5	35.5	2.5	44.2	176.3	39.2	0.4
December	14.4	0.1	30.4	24.9	51.6	76.2	25.6	73.0
2010								
March	49.8	96.1	201.0	9.0	23.8	297.5	108.8	11.2
June	95.3	94.3	165.9	11.1	33.7	519.2	99.9	0.3

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

106 Value of Australian fertiliser imports, by quarter ^a

	Triple superphosphate \$m	Diammonium phosphate \$m	Monammonium phosphate \$m	Ammonium fertilisers		Urea \$m	Potassic fertiliser \$m	Phosphate rock \$m
2003								
March	19.9	35.1	83.4	0.9	5.1	79.6	41.6	10.0
June	6.3	25.2	59.2	3.0	3.7	108.3	21.8	7.5
September	6.6	1.6	18.5	0.1	1.7	36.0	18.7	10.1
December	4.0	3.1	45.5	0.1	6.3	51.5	10.7	13.5
2004								
March	12.4	35.9	83.8	0.2	1.7	55.2	29.2	5.7
June	9.0	19.7	58.0	1.0	3.0	114.0	35.0	11.3
September	16.4	7.8	30.4	0.2	7.0	79.3	22.3	7.9
December	12.6	15.6	60.5	0.2	17.1	49.7	19.6	14.8
2005								
March	11.4	37.0	106.3	0.4	21.1	85.9	28.3	11.2
June	9.3	26.9	88.6	0.3	16.5	170.2	36.0	14.7
September	3.3	6.6	40.7	0.8	14.6	66.0	30.3	8.7
December	24.3	12.0	33.9	0.2	11.8	35.2	19.7	16.1
2006								
March	20.0	35.0	80.1	0.5	18.3	89.3	33.0	3.9
June	11.2	20.4	34.9	0.4	6.4	148.0	28.8	13.5
September	1.5	0.0	18.7	0.5	7.9	68.0	22.4	8.1
December	0.8	0.2	4.4	0.2	8.6	21.3	24.8	8.4
2007								
March	10.9	19.0	89.1	0.5	6.0	31.1	17.2	4.3
June	40.3	12.7	69.4	0.6	10.4	150.0	21.0	11.0
September	0.0	2.9	9.0	0.5	9.5	103.0	30.8	6.9
December	6.2	36.2	60.1	0.5	5.9	43.6	26.1	22.6
2008								
March	16.0	82.7	165.2	0.6	10.7	86.5	47.3	8.4
June	40.7	138.7	219.7	1.4	10.0	216.8	60.8	41.7
September	23.5	31.0	39.6	12.1	16.1	236.8	131.8	91.8
December	18.9	7.3	93.3	10.3	66.2	59.7	190.6	94.8
2009								
March	19.6	35.9	106.6	1.3	19.6	63.3	20.0	0.3
June	9.8	66.2	97.5	4.9	9.9	131.9	12.7	5.7
September	0.1	1.4	16.2	0.7	26.4	58.6	29.9	0.2
December	2.8	0.1	10.8	3.1	21.8	23.8	17.0	8.4
2010								
March	13.7	51.4	89.8	2.4	7.5	98.9	50.2	1.3
June	19.5	48.8	86.6	2.9	14.1	168.0	45.8	0.1

^a Fob at the port of origin.Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

	Herbicides ab \$'000	Fungicides/ plant growth regulants ab \$'000	Insecticides ab \$'000	Animal health products a \$'000	Index of prices paid for chemicals c
1975	25 594	8 237	13 424	0	34.3
1976	35 518	10 337	13 627	na	40.1
1977	46 402	10 950	21 202	na	43.6
1978	54 362	12 090	25 317	61 462	44.7
1979	77 349	14 175	28 753	na	49.9
1980	94 301	17 551	34 986	88 552	58.0
1981	108 837	20 167	37 046	92 022	61.0
1982	109 722	19 744	37 957	91 810	62.7
1983	159 888	28 829	42 905	118 443	66.2
1984	192 830	29 536	53 906	137 878	70.3
1985	207 226	30 165	52 659	155 542	76.7
1986	216 820	34 845	60 233	171 839	84.3
1987	284 445	43 332	86 861	188 546	89.4
1988	366 727	46 622	104 395	284 375	89.4
1989	402 573	60 614	93 075	283 240	91.2
1990	398 336	57 856	115 108	267 017	93.2
1991	354 058	55 013	118 383	211 000	96.4
1992	463 104	87 699	120 688	247 823	97.5
1993	501 051	97 286	130 808	266 334	98.0
1994	421 457	79 710	130 823	259 940	97.2
1995	503 700	86 400	189 300	271 500	97.9
1996	600 500	101 300	251 600	285 000	98.1
1997	713 601	123 698	268 380	302 000	99.0
1998	833 987	138 570	328 270	431 033	100.0
1999	895 868	149 892	361 409	476 960	100.4
2000	883 677	155 525	326 686	511 580	101.6
2001	812 503	162 729	352 702	540 162	103.3
2002	694 164	135 525	194 317	551 726	105.6
2003	916 272	161 830	300 576	597 882	108.0
2004	996 719	170 107	374 194	607 748	110.0
2005	908 519	185 120	321 139	620 744	111.9
2006	960 751	179 536	326 735	674 521	114.6
2007	915 018	133 016	261 791	707 383	124.7
2008	1 411 357	145 991	246 888	739 973	149.7
2009	1 067 038	189 867	287 476	754 017	136.7

a For the years to 1995, data are based on sales at the factory gate. These figures do not include sales from non-AVCARE members but are likely to represent about 90 per cent of actual total sales. For the years from 2005, data are on a financial basis. b For the years after 1997, figures refer to total Australian sales as recorded by the APVMA. c Based on ABS benchmark data. na Not available.

Sources: Australian Pesticides and Veterinary Medicines Australia (APVMA); AVCARE; National Registration Authority (NRA); ABARES.

108 Australian farm fuel prices

	Petrol			Index of prices paid for fuel d
	Lead replacement a c/L	Unleaded b c/L	Off-road diesel c c/L	
1970-71	8.70	na	4.39	11.5
1971-72	9.24	na	4.65	11.5
1972-73	9.32	na	4.66	11.5
1973-74	10.31	na	4.74	12.4
1974-75	11.68	na	5.97	15.1
1975-76	13.53	na	7.86	19.5
1976-77	15.73	na	9.02	22.2
1977-78	17.68	na	11.21	25.7
1978-79	20.87	na	14.92	32.8
1979-80	26.77	na	22.22	46.1
1980-81	31.87	na	27.78	57.6
1981-82	36.00	na	29.64	63.0
1982-83	43.81	na	33.22	72.7
1983-84	48.57	na	34.00	78.9
1984-85	49.15	na	36.13	84.2
1985-86	54.32	54.32	33.91	86.9
1986-87	55.11	55.11	30.83	86.0
1987-88	57.19	57.19	31.49	88.7
1988-89	56.24	56.24	27.17	80.4
1989-90	65.41	65.41	30.89	91.6
1990-91	74.44	74.44	36.39	106.0
1991-92	72.54	72.54	33.14	99.6
1992-93	74.53	74.53	35.10	104.1
1993-94	74.72	74.22	32.47	100.5
1994-95	78.42	76.42	38.44	96.6
1995-96	79.83	77.83	38.50	100.4
1996-97	81.89	79.89	40.60	104.9
1997-98	82.19	76.22	36.71	100.0
1998-99	80.44	73.60	32.39	104.1
1999-00	94.11	85.13	41.21	148.6
2000-01	91.15	88.54	53.36	144.1
2001-02	84.64	81.34	46.80	128.3
2002-03	86.33	85.25	43.33	127.0
2003-04	99.58	86.16	55.01	144.3
2004-05	na	96.43	63.73	167.2
2005-06	na	115.35	82.89	210.6
2006-07	na	115.88	81.22	208.3
2007-08	na	127.56	98.46	243.7
2008-09	na	111.93	84.59	211.0
2009-10	na	109.92	73.33	191.7

a Leaded petrol phased out as at 1 Jan 2002. Lead replacement petrol (LRP) introduced as at 1 Jan 2002. b Petrol price paid at the pump, excludes GST, however includes farm rebates and subsidies. c Average diesel price paid by Australian farmers, excludes GST, however includes farm rebates and subsidies. d Base: 1997-98 = 100. na Not available.

Sources: Fueltrac Pty Ltd; Ampol; Australian Taxation Office; Caltex Australia; Shell Australia; Other unpublished sources; ABARES.

109 Persons employed in agriculture, forestry and fisheries ^a

	1994-95 '000	1995-96 '000	1996-97 '000	1997-98 '000	1998-99 '000	1999-00 '000	2000-01 '000	2001-02 '000
Agriculture								
Grains, sheep and beef cattle	200.8	201.5	203.5	202.5	198.8	211.0	207.5	212.8
Horticulture and fruit	81.3	96.8	91.5	95.5	96.5	103.0	96.0	100.8
Other crops	13.3	13.0	13.8	16.0	15.5	15.0	12.0	13.0
Dairy cattle	34.5	30.3	40.0	38.3	32.5	34.5	29.0	30.5
Poultry	10.0	11.5	10.0	9.3	8.3	9.0	8.5	9.3
Other livestock	17.5	16.5	16.0	16.5	14.3	12.5	9.3	12.3
Agriculture - other	na	na	na	na	na	na	10.3	5.0
Total	356.6	369.8	375.0	378.2	365.7	385.2	373.4	383.2
Forestry and logging	9.2	8.5	8.1	10.4	10.4	6.5	10.0	9.7
Commercial fishing ^b	15.7	19.2	13.6	14.1	14.4	16.2	19.9	19.4
Support services	19.4	18.6	22.2	25.5	27.5	28.1	28.3	25.2
Total	400.9	416.1	418.9	428.2	418.1	436.0	431.6	437.6
	2002-03 '000	2003-04 '000	2004-05 '000	2005-06 '000	2006-07 '000	2007-08 '000	2008-09 '000	2009-10 '000
Agriculture								
Grains, sheep and beef cattle	163.8	162.0	130.0	136.8	132.8	144.0	151.3	148.3
Horticulture and fruit	95.5	96.5	84.8	84.5	84.3	72.8	61.0	63.3
Other crops	10.0	8.3	12.5	7.3	11.0	12.3	14.0	14.0
Dairy cattle	25.3	19.5	21.3	22.5	20.3	23.3	28.8	27.5
Poultry	11.0	9.8	9.3	9.0	8.3	6.5	9.3	8.3
Other livestock	12.0	9.8	10.3	10.8	10.0	9.5	14.0	15.5
Agriculture - other	4.5	10.3	39.3	29.8	39.3	33.0	39.3	47.8
Total	321.8	316.6	307.0	300.5	306.2	300.9	317.5	324.5
Forestry and logging	7.2	9.0	9.1	8.4	8.1	8.3	7.5	7.0
Commercial fishing ^b	18.0	15.9	13.7	12.4	9.8	13.6	9.2	11.4
Support services	23.3	25.4	27.4	26.9	26.3	29.7	23.4	26.0
Total	370.4	366.8	357.1	348.1	350.4	352.5	357.6	369.2

^a Average employment over four quarters. Based on ANZSIC 2006. Caution should be used when utilising employment statistics at the ANZSIC subdivision and group levels due to estimates that may be subject to sampling variability and standard errors too high for most practical purposes.

^b Includes aquaculture, fishing, hunting and trapping. na Not available.

Source: ABS, *Labour Force, Australia, Detailed - Electronic Delivery*, cat. no. 6291.0.55.001, Canberra; ABS, *Labour Force, Australia, Detailed - Electronic Delivery*, cat. no. 6291.0.55.003, Canberra.

110 Australian wages and the consumer price index ^a

	Contract rates %	Shearing rates b %	Rural wages %	Average weekly earnings %	Consumer price index %
1970-71	0.0	3.4	4.5	0.0	4.5
1971-72	- 1.4	2.5	5.6	10.2	6.9
1972-73	1.9	6.8	9.3	9.0	6.1
1973-74	6.3	31.1	20.0	16.2	12.9
1974-75	18.8	43.2	37.3	26.6	16.8
1975-76	14.9	9.6	13.7	15.7	12.9
1976-77	12.4	13.1	13.1	14.7	13.9
1977-78	6.7	9.2	10.8	10.3	9.5
1978-79	9.4	6.2	6.1	8.4	8.1
1979-80	8.4	12.3	7.2	8.5	10.2
1980-81	9.6	9.0	9.1	12.6	9.3
1981-82	9.7	9.6	11.7	12.3	10.4
1982-83	14.9	8.5	10.1	13.1	11.5
1983-84	7.8	3.8	6.2	7.1	6.9
1984-85	6.5	8.4	7.9	5.1	4.3
1985-86	3.8	4.2	4.7	5.9	8.4
1986-87	2.2	1.1	4.7	6.2	9.3
1987-88	3.7	3.4	3.9	6.1	7.3
1988-89	7.0	12.0	7.3	6.8	7.3
1989-90	6.1	5.6	7.4	6.6	8.0
1990-91	6.7	1.4	4.8	5.9	5.3
1991-92	4.1	4.0	4.6	2.9	1.9
1992-93	3.1	1.5	3.6	2.0	1.0
1993-94	3.0	0.1	1.4	2.9	1.8
1994-95	1.9	0.8	1.4	3.4	3.2
1995-96	1.0	2.3	3.1	2.5	4.2
1996-97	1.2	1.5	2.0	3.0	1.3
1997-98	2.5	1.9	2.6	3.2	- 0
1998-99	3.6	5.7	3.6	2.4	1.3
1999-00	2.9	3.7	2.9	2.2	2.4
2000-01	2.9	3.6	3.6	5.3	6.0
2001-02	3.9	1.8	2.4	4.0	2.9
2002-03	3.6	3.4	4.0	4.3	3.1
2003-04	3.4	5.6	3.8	4.6	2.4
2004-05	3.6	4.1	3.9	4.2	2.4
2005-06	3.2	3.4	3.6	4.9	3.2
2006-07	na	na	na	4.5	2.9
2007-08	na	na	na	3.9	3.4
2008-09	na	na	na	3.8	3.1
2009-10	na	na	na	5.3	2.3

^a Percentage change from previous year. ^b Based on price per 100 flock sheep. na Not available.

Sources: ABS, *Average Weekly Earnings, Australia*, cat. no. 6302.0, Canberra (derived from average weekly earnings for all employees series); ABS, *Consumer Price Index*, cat. no. 6401.0, Canberra; Australian Government Workplace Authority, *Pastoral Industry Award 1998*, AP792378 - Fed (formerly AW792378); DEWR, *Agriculture, Forestry and Fishing Industry Sector - Minimum Wage Order - Victoria 1997*, AW767376; ABARES.

111 Summary of Australian fisheries statistics

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 p
Prawns									
Production a	kt	26.5	27.6	23.7	23.6	20.8	22.8	23.8	25.3
Value of production	\$m	364.7	359.8	307.1	305.0	267.5	272.3	287.5	303.3
Exports b	kt	9.5	9.4	10.3	8.7	6.4	4.9	4.8	4.7
Value of exports	\$m	208.2	160.6	163.1	133.9	93.6	68.6	82.2	61.5
Imports b	kt	18.1	24.4	29.9	30.4	33.9	29.8	26.7	34.5
Value of imports	\$m	220.2	227.6	257.8	256.3	308.0	250.2	270.7	298.7
Rock lobster									
Production a	kt	16.6	19.3	17.9	15.6	14.3	14.3	12.2	9.8
Value of production c	\$m	454.9	401.2	414.7	463.4	461.2	425.1	414.8	373.5
Exports b	kt	11.5	13.5	12.6	11.9	10.3	9.5	9.6	7.7
Value of exports	\$m	463.1	426.8	439.6	489.4	463.4	400.9	461.7	399.7
Abalone									
Production a	kt	5.2	5.8	6.0	5.5	5.5	5.3	5.6	5.6
Value of production	\$m	216.2	197.9	233.0	225.0	217.0	188.6	188.5	175.6
Exports b	kt	4.2	4.9	4.0	3.7	3.9	3.6	3.3	3.6
Value of exports	\$m	216.1	237.7	263.1	245.6	246.0	217.2	208.2	216.3
Scallops									
Production a	kt	9.6	9.4	15.5	9.0	10.5	10.3	7.5	8.3
Value of production	\$m	34.9	25.1	47.0	23.3	29.3	33.0	24.8	28.5
Exports b	kt	1.2	1.5	1.2	1.5	1.4	1.1	1.1	1.1
Value of exports	\$m	28.7	34.9	32.6	38.8	35.4	27.8	33.3	29.5
Tuna									
Production a	kt	13.4	14.7	11.3	12.7	13.1	14.6	13.7	11.4
Value of production d	\$m	317.0	279.5	172.4	175.1	161.0	210.0	187.1	131.7
Exports b	kt	12.6	12.8	10.9	11.7	11.6	12.6	11.5	9.5
Value of exports	\$m	321.0	273.5	165.7	179.4	162.2	206.2	176.8	118.5
Imports b	kt	33.9	47.4	37.5	36.5	34.5	38.8	38.0	39.9
Value of imports	\$m	123.5	109.8	107.7	141.3	141.7	174.1	223.3	169.3
Other fin fish									
Production a	kt	152.0	165.6	172.4	149.4	144.4	145.5	152.1	152.6
Value of production	\$m	561.6	567.1	558.8	598.1	688.2	714.9	715.9	759.6
Exports b	kt	17.4	13.2	15.0	11.6	11.4	9.8	14.2	11.2
Value of exports	\$m	164.2	136.5	138.7	115.3	118.2	118.6	157.2	140.0
Imports b	kt	89.8	91.2	93.3	92.7	99.1	98.3	95.5	100.5
Value of imports	\$m	467.0	435.1	439.6	460.7	559.4	540.9	601.3	582.1
All fisheries products									
Production s	kt	254.1	276.0	279.1	246.4	244.3	240.5	236.8	243.7
Value of production	\$m	2 287.5	2 187.6	2 085.6	2 167.1	2 216.7	2 214.5	2 215.3	2 144.9
Edible exports	kt	60.2	58.5	57.3	52.3	48.0	44.0	46.9	40.0
Value of edible exports	\$m	1 484.9	1 319.3	1 236.0	1 237.3	1 157.9	1 065.4	1 145.3	987.7
Value of non-edible exports	\$m	359.6	332.6	305.7	309.6	336.1	276.3	384.0	259.0
Edible imports	kt	164.7	188.0	186.3	188.5	198.6	198.5	193.5	207.6
Value of edible imports	\$m	950.2	904.9	959.3	1 028.5	1 184.4	1 132.2	1 282.7	1 245.7
Value of non-edible imports	\$m	251.6	201.6	212.8	237.3	283.0	265.7	427.1	269.0

a live weight. **b** Product weight. **c** Includes bugs for Queensland. **d** Excludes Commonwealth southern bluefin tuna as an input to South Australian farms.

p Preliminary. **s** Includes estimates of aquaculture. **na** Not available.

Sources: ABARES, *Australian Fisheries Statistics*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

	Unit	Prawns	Rock lobster ^a	Abalone	Scallops	Oysters	Tuna ^e	Other fin fish	All fisheries products ^b
Quantity ^c									
1988-89	kt	28.0	18.0	1.6	0.0	8.0	9.0	98.0	169.6
1989-90	kt	23.3	15.7	1.5	0.0	7.5	8.2 ^d	120.9	184.3
1990-91	kt	29.1	14.7	1.5	0.0	8.1	11.7	145.4	217.8
1991-92	kt	24.5	18.5	1.5	0.0	8.2	13.2	139.8	214.4
1992-93	kt	25.1	18.4	3.4	33.0	8.6	10.2	123.6	236.9
1993-94	kt	23.2	16.8	3.3	23.7	8.7	7.7	121.9	223.9
1994-95	kt	28.0	16.4	3.8	15.8	9.4	8.7	127.5	232.2
1995-96	kt	29.4	15.7	3.9	15.3	10.1	9.2	123.5	228.6
1996-97	kt	27.7	15.8	5.2	8.8	10.1	13.0	128.5	224.3
1997-98	kt	29.6	16.6	5.2	10.3	10.7	11.9	134.3	233.7
1998-99	kt	31.2	18.6	5.6	7.6	8.7	16.7	126.5	232.8
1999-00	kt	26.8	19.9	5.6	12.1	9.7	16.2	114.5	222.7
2000-01	kt	30.2	16.5	5.7	9.2	9.6	16.1	122.6	231.6
2001-02	kt	29.5	14.1	5.9	5.7	10.2	15.9	140.1	240.0
2002-03	kt	26.5	16.6	5.2	9.6	10.5	13.4	152.0	254.1
2003-04	kt	27.6	19.3	5.8	9.4	12.7	14.7	165.6	276.0
2004-05	kt	23.7	17.9	6.0	15.5	11.8	11.3	172.4	279.1
2005-06	kt	23.6	15.6	5.5	9.0	12.1	12.7	149.4	246.4
2006-07	kt	20.8	14.3	5.5	10.5	15.4	13.1	144.4	244.3
2007-08	kt	22.8	14.3	5.3	10.3	13.5	14.6	145.5	240.5
2008-09	kt	23.8	12.2	5.6	7.5	14.2	13.7	152.1	236.8
2009-10 ^p	kt	25.3	9.8	5.6	8.3	14.5	11.4	152.6	243.7
Value ^s									
1988-89	\$m	274.0	280.0	86.0	21.0	38.0	19.0	215.0	1 022.3 ^f
1989-90	\$m	226.0	245.0	90.0	25.0	36.0	66.0 ^d	278.0	1 093.0 ^f
1990-91	\$m	262.9	287.5	92.1	42.3	43.2	66.5	269.8	1 223.1 ^f
1991-92	\$m	244.1	369.1	94.6	82.8	44.3	76.2	301.3	1 376.2 ^f
1992-93	\$m	291.3	348.8	127.5	94.4	41.2	116.2	320.7	1 517.4 ^f
1993-94	\$m	320.6	431.7	178.4	82.1	42.4	107.8	322.5	1 719.0 ^f
1994-95	\$m	368.0	452.5	144.7	64.2	47.6	129.8	336.8	1 844.7 ^f
1995-96	\$m	368.4	374.6	142.4	66.7	51.5	85.0	352.2	1 724.8 ^f
1996-97	\$m	344.3	413.3	152.5	36.7	52.0	96.0	378.3	1 731.3 ^f
1997-98	\$m	385.3	377.1	182.1	39.8	47.0	130.8	395.6	1 835.7 ^f
1998-99	\$m	416.4	430.5	172.9	37.5	45.2	221.5	442.5	2 109.5 ^f
1999-00	\$m	411.0	540.7	220.7	42.6	53.3	256.7	477.6	2 367.4 ^f
2000-01	\$m	453.3	477.2	276.4	39.0	55.1	328.8	514.1	2 464.5
2001-02	\$m	429.3	499.9	247.4	23.3	56.9	322.9	558.4	2 444.5
2002-03	\$m	364.7	454.9	216.2	34.9	62.1	317.0	561.6	2 287.5
2003-04	\$m	359.8	401.2	197.9	25.1	77.2	279.5	567.1	2 187.6
2004-05	\$m	307.1	414.7	233.0	47.0	74.1	172.4	558.8	2 085.6
2005-06	\$m	305.0	463.4	225.0	23.3	75.3	175.1	598.1	2 167.1
2006-07	\$m	267.5	461.2	217.0	29.3	91.1	161.0	688.2	2 216.7
2007-08	\$m	272.3	425.1	188.6	33.0	89.1	210.0	714.9	2 214.5
2008-09	\$m	287.5	414.8	188.5	24.8	93.2	187.1	715.9	2 215.3
2009-10 ^p	\$m	303.3	373.5	175.6	28.5	98.0	131.7	759.6	2 144.9

^a Includes bugs for Queensland. ^b Excludes those products for which no quantity data are available, e.g. live fish, pearls and some non-edible fisheries products. ^c Live weight. ^d Includes an estimate of tuna production from joint venture agreements. ^e Excludes Commonwealth southern bluefin tuna as an input to South Australian farms. ^f Includes pearls and other products. ^p Preliminary. ^s ABARES estimate the values of production are based on values to fishing operators (ABS estimates of gross value of production include certain marketing costs in some cases). ^{na} Not available.

Sources: ABARES, Australian Fisheries Statistics, Canberra; ABS, Fisheries, Australia, cat. no. 7603.0, Canberra.

113 Australian exports of prawns, by product type and destination

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity ^a								
Headless	t	307	437	150	118	435	466	491
Hong Kong, China	t	3	14	0	2	35	101	308
Japan	t	179	150	121	94	66	106	19
United States	t	1	3	3	0	0	0	2
Other	t	19	89	2	10	148	165	381
Whole	t	8 852	9 623	8 409	6 034	3 869	3 990	3 764
China	t	1 151	1 540	1 107	1 019	430	608	543
Chinese Taipei	t	184	74	40	54	14	55	0
Hong Kong, China	t	925	659	401	413	425	625	518
Italy	t	13	42	382	52	18	0	0
Japan	t	3 063	3 466	2 993	2 334	1 702	1 923	1 821
Malaysia	t	274	75	74	110	15	98	50
New Zealand	t	175	189	151	64	93	81	113
Spain	t	1 697	1 972	1 434	877	331	288	142
Thailand	t	124	198	376	145	105	113	48
United States	t	54	29	16	27	7	9	9
Other	t	953	618	345	317	349	321	501
Other	t	237	242	185	225	611	340	404
Chinese Taipei	t	20	21	0	0	12	0	16
Japan	t	9	12	1	14	24	3	3
Singapore	t	25	13	19	4	25	25	0
United States	t	1	1	0	2	1	0	0
Other	t	199	194	78	170	526	245	357
Total	t	9 396	10 302	8 744	6 376	4 916	4 797	4 659
Value								
Headless	\$'000	5 353	6 639	2 835	2 285	5 803	7 502	4 678
Hong Kong, China	\$'000	34	387	0	55	701	1 172	2 754
Japan	\$'000	3 917	3 599	2 490	2 011	1 549	2 790	439
United States	\$'000	33	69	57	0	0	2	48
Other	\$'000	468	1 316	28	142	2 026	2 316	3 291
Whole	\$'000	151 488	153 239	128 872	88 740	56 100	70 680	53 124
China	\$'000	15 777	19 601	11 905	10 805	4 145	6 400	5 207
Chinese Taipei	\$'000	3 997	1 483	828	1 183	249	1 201	0
Hong Kong, China	\$'000	15 985	9 593	5 758	5 960	5 959	10 197	6 450
Italy	\$'000	241	956	7 290	943	179	0	0
Japan	\$'000	62 751	68 784	57 151	43 293	29 888	43 595	30 918
Malaysia	\$'000	3 723	567	676	787	182	1 115	462
New Zealand	\$'000	2 313	2 305	1 604	863	1 147	1 117	1 550
Spain	\$'000	23 069	26 524	18 972	10 233	3 424	2 657	1 613
Thailand	\$'000	1 442	2 290	3 817	1 505	1 093	2 019	654
United States	\$'000	1 189	679	297	598	86	96	180
Other	\$'000	15 239	8 066	4 001	4 072	3 847	4 407	5 543
Other	\$'000	3 762	3 225	2 216	2 538	6 721	3 998	3 660
Chinese Taipei	\$'000	372	453	0	0	240	0	126
Japan	\$'000	181	241	24	142	411	92	49
Singapore	\$'000	523	169	274	53	222	261	6
United States	\$'000	27	16	3	34	17	0	0
Other	\$'000	3 116	2 598	822	1 859	5 526	2 762	3 114
Total	\$'000	160 603	163 104	133 923	93 563	68 624	82 180	61 461

^a Product weight.Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

114 Australian imports of prawns, by product type and source

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity ^a								
Fresh, chilled or frozen	t	18 860	22 590	23 111	26 015	18 730	12 823	17 723
China	t	3 894	4 034	4 465	8 469	5 486	3 484	5 719
Chinese Taipei	t	102	92	283	120	46	21	28
India	t	2 920	3 096	2 459	2 000	1 084	111	102
Indonesia	t	1 617	1 669	1 094	686	197	708	1 959
Malaysia	t	190	183	159	478	1 619	1 812	2 170
Myanmar	t	564	528	572	597	267	70	28
New Caledonia	t	104	189	100	74	7	33	33
Papua New Guinea	t	196	59	11	24	11	0	1
Singapore	t	211	101	157	79	3	26	0
Thailand	t	4 911	5 741	6 106	5 503	4 694	3 755	5 033
Vietnam	t	3 898	6 260	6 855	7 229	4 856	2 735	2 504
Other	t	422	466	457	380	144	55	146
Canned	t	5 584	7 247	7 239	7 891	11 087	13 908	16 731
Malaysia	t	1 089	1 244	809	767	644	641	475
Thailand	t	3 328	4 035	3 706	3 293	3 633	3 998	6 183
Vietnam	t	319	437	591	292	1 964	4 810	5 519
Other	t	848	1 530	2 133	3 539	4 845	4 459	4 554
Other	t	5	18	54	1	1	5	6
China	t	0	16	33	0	0	0	1
Malaysia	t	2	0	2	1	1	3	4
Thailand	t	1	0	17	0	0	1	0
Vietnam	t	0	0	1	0	0	0	0
Other	t	1	2	1	0	0	0	1
Total	t	24 448	29 855	30 404	33 906	29 818	26 735	34 460
Value								
Fresh, chilled or frozen	\$'000	183 537	201 187	200 925	246 372	166 630	134 959	159 091
China	\$'000	28 476	26 497	29 417	62 120	36 737	34 461	49 085
Chinese Taipei	\$'000	1 297	1 054	2 884	1 395	351	246	238
India	\$'000	34 872	32 149	25 451	24 420	12 208	1 479	1 147
Indonesia	\$'000	13 423	10 820	8 508	5 675	1 841	8 328	20 998
Malaysia	\$'000	1 783	1 826	1 761	4 548	17 535	20 557	18 776
Myanmar	\$'000	4 867	4 599	4 816	5 730	2 670	792	311
New Caledonia	\$'000	1 571	2 370	1 256	874	88	489	514
Papua New Guinea	\$'000	1 307	406	73	138	65	0	21
Singapore	\$'000	2 083	1 063	1 474	944	23	325	0
Thailand	\$'000	44 250	45 556	45 968	48 228	38 613	35 503	38 890
Vietnam	\$'000	47 333	69 650	72 307	85 791	52 951	31 736	27 415
Other	\$'000	3 368	3 780	3 940	3 383	1 218	851	1 716
Canned	\$'000	44 020	56 491	54 961	61 663	83 530	135 715	139 524
Malaysia	\$'000	8 072	8 215	5 216	5 386	4 778	4 878	3 520
Thailand	\$'000	27 035	34 433	30 858	26 789	26 783	39 512	50 809
Vietnam	\$'000	2 726	3 854	5 072	2 925	19 033	51 994	51 810
Other	\$'000	6 187	9 989	13 815	26 563	32 936	39 332	33 385
Other	\$'000	38	116	425	14	16	52	63
China	\$'000	4	92	210	3	5	6	14
Malaysia	\$'000	12	1	9	6	6	22	25
Thailand	\$'000	12	0	200	3	3	18	7
Vietnam	\$'000	6	0	2	0	0	0	0
Other	\$'000	4	24	4	3	3	6	16
Total	\$'000	227 595	257 794	256 311	308 049	250 176	270 726	298 678

^a Product weight.

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

115 Australian exports of rock lobster, by product type and destination

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity ^a								
Tails ^b	t	2 062	1 849	1 612	1 458	1 034	816	550
Chinese Taipei	t	0	9	0	0	1	5	0
Hong Kong, China	t	10	18	12	14	16	5	5
Japan	t	141	38	42	38	26	39	17
United States	t	1 757	1 748	1 467	1 383	954	722	490
Other	t	153	36	91	24	36	46	39
Whole ^c	t	10 889	10 184	9 914	8 328	8 101	8 353	6 955
Chinese Taipei	t	1 369	1 194	824	816	1 072	1 083	581
Hong Kong, China	t	4 750	4 323	5 449	5 163	5 134	5 904	5 548
Japan	t	2 477	2 096	1 785	1 194	1 234	928	579
Singapore	t	306	214	162	190	209	137	58
United States	t	60	57	43	27	45	34	42
Other	t	1 927	2 300	1 650	938	407	267	146
Other	t	501	603	412	465	362	392	224
France	t	12	66	17	11	12	21	6
Hong Kong, China	t	18	8	30	28	32	24	20
Japan	t	414	395	284	345	249	260	180
United States	t	47	48	22	0	7	1	1
Other	t	10	87	59	81	63	85	18
Total	t	13 453	12 636	11 938	10 252	9 496	9 561	7 730
Value								
Tails ^b	\$'000	102 506	100 572	97 335	101 500	63 378	52 646	34 547
Chinese Taipei	\$'000	0	233	0	0	90	282	0
Hong Kong, China	\$'000	475	594	593	862	933	269	211
Japan	\$'000	5 894	2 031	2 303	2 034	1 411	1 941	1 270
United States	\$'000	90 023	96 050	88 585	96 760	58 580	47 349	31 020
Other	\$'000	6 114	1 665	5 854	1 844	2 363	2 806	2 046
Whole ^c	\$'000	318 499	329 612	387 448	357 126	333 332	405 095	363 172
Chinese Taipei	\$'000	35 547	36 919	29 842	30 112	32 304	33 669	21 845
Hong Kong, China	\$'000	156 743	147 902	227 490	234 098	231 654	320 006	304 943
Japan	\$'000	68 392	65 147	66 251	48 661	44 394	34 900	26 570
Singapore	\$'000	7 620	6 293	5 697	7 313	6 908	4 731	2 566
United States	\$'000	2 240	2 210	1 684	1 065	2 116	1 267	1 681
Other	\$'000	47 957	71 141	56 484	35 877	15 956	10 521	5 566
Other	\$'000	5 829	9 391	4 568	4 739	4 153	3 960	1 995
France	\$'000	450	1 775	775	551	570	863	259
Hong Kong, China	\$'000	285	67	271	244	93	82	694
Japan	\$'000	3 173	3 611	1 248	1 398	2 257	1 396	903
United States	\$'000	1 645	1 497	531	0	205	54	49
Other	\$'000	275	2 442	1 743	2 546	1 029	1 565	90
Total	\$'000	426 833	439 575	489 351	463 365	400 864	461 701	399 714

^a Product weight. ^b Fresh, chilled or frozen. ^c Live, fresh or chilled, frozen or cooked.

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

116 Australian imports of rock lobster, by source

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity ^a								
Cuba	t	0	31	64	174	81	55	23
Malaysia	t	41	14	17	17	23	22	18
New Zealand	t	6	1	0	1	0	0	8
Papua New Guinea	t	89	79	79	86	99	73	84
Thailand	t	151	118	215	155	175	69	82
United States	t	0	17	0	39	23	14	157
Vietnam	t	3	3	3	10	138	53	142
Other	t	155	207	190	152	254	142	143
Total	t	444	469	568	634	792	429	658
Value								
Cuba	\$'000	0	576	1 273	3 952	2 112	1 595	452
Malaysia	\$'000	437	134	185	149	251	270	212
New Zealand	\$'000	199	32	1	39	0	12	268
Papua New Guinea	\$'000	2 151	2 816	2 590	3 727	4 205	2 829	2 534
Thailand	\$'000	2 043	1 514	3 197	2 285	2 349	1 132	1 240
United States	\$'000	0	359	0	913	594	319	2 538
Vietnam	\$'000	58	35	41	127	712	985	1 823
Other	\$'000	2 201	2 666	2 962	2 027	3 896	2 066	2 096
Total	\$'000	7 088	8 132	10 249	13 218	14 120	9 208	11 163

^a Product weight.

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

Fisheries

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Australian exports and imports of abalone, by product type and country

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Exports								
Quantity ^a								
Fresh, chilled or frozen								
China	t	2 119	2 032	2 133	2 241	2 148	2 139	2 189
Chinese Taipei	t	20	296	609	271	111	210	497
Hong Kong, China	t	137	85	63	44	34	31	21
Japan	t	1 551	1 229	1 019	1 492	1 545	1 604	1 411
United States	t	377	394	404	391	381	258	225
Other	t	8	5	6	10	15	10	7
Prepared or preserved	t	2 791	1 972	1 532	1 670	1 432	1 181	1 449
Chinese Taipei	t	428	227	153	134	66	43	58
Hong Kong, China	t	1 222	949	609	883	732	593	701
Japan	t	596	402	404	229	183	127	170
Singapore	t	344	311	249	324	339	321	407
United States	t	91	31	37	39	41	27	27
Other	t	110	52	80	61	70	70	86
Total	t	4 910	4 004	3 665	3 911	3 580	3 320	3 638
Value								
Fresh, chilled or frozen								
China	\$'000	117 482	123 856	131 533	139 041	124 187	118 896	133 250
Chinese Taipei	\$'000	1 532	16 033	34 493	14 255	5 736	10 512	28 103
Hong Kong, China	\$'000	6 088	4 096	3 153	2 301	1 483	1 457	914
Japan	\$'000	87 086	76 529	66 780	94 240	89 809	88 393	89 072
United States	\$'000	19 985	24 250	23 766	24 057	21 978	15 278	12 466
Other	\$'000	2 045	2 447	2 724	3 169	3 700	2 298	2 188
Prepared or preserved	\$'000	120 198	139 294	114 094	106 987	93 031	89 289	83 091
Chinese Taipei	\$'000	16 366	12 806	10 553	7 836	3 971	3 252	3 300
Hong Kong, China	\$'000	53 210	70 010	46 392	54 819	49 462	47 224	42 518
Japan	\$'000	25 309	27 462	29 876	16 546	12 096	8 683	9 265
Singapore	\$'000	16 744	22 475	18 768	20 861	20 309	22 610	20 809
United States	\$'000	3 391	2 381	3 056	3 174	2 608	2 072	1 591
Other	\$'000	5 178	4 160	5 449	3 750	4 585	5 448	5 608
Total	\$'000	237 680	263 150	245 627	246 028	217 218	208 185	216 341
Imports								
Quantity								
Live, fresh or chilled								
New Zealand	t	0	0	0	0	0	0	0
Other	t	0	0	0	0	0	0	0
Frozen or preserved	t	10	6	14	15	7	17	6
Japan	t	3	0	0	0	0	0	0
New Zealand	t	0	0	0	0	0	4	3
Philippines	t	0	0	2	0	0	0	0
Other	t	8	6	12	15	7	13	3
Total	t	10	6	14	15	7	17	6
Value								
Live, fresh or chilled								
New Zealand	\$'000	0	0	0	0	0	0	0
Other	\$'000	0	0	0	0	0	0	0
Frozen or preserved	\$'000	475	149	252	508	120	867	111
Japan	\$'000	316	0	0	0	4	0	0
New Zealand	\$'000	0	3	0	0	9	257	13
Philippines	\$'000	0	0	9	0	0	0	0
Other	\$'000	160	146	244	508	108	610	98
Total	\$'000	475	149	252	508	120	867	111

^a Product weight.

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

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Australian exports and imports of scallops, by product type and country

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Exports									
Quantity ^a									
Fresh, chilled or frozen	t	1 130	1 460	1 208	1 484	1 401	1 127	1 137	1 087
China	t	0	0	0	28	24	26	26	10
France	t	0	0	156	305	187	0	0	0
Hong Kong, China	t	769	1 096	727	764	799	736	730	667
Malaysia	t	72	54	33	61	47	86	70	69
Singapore	t	246	249	181	260	274	254	284	292
United States	t	2	1	1	1	0	0	0	15
Other	t	43	58	110	65	69	25	26	34
Other	t	35	4	0	0	0	0	0	2
Hong Kong, China	t	35	3	0	0	0	0	0	0
Other	t	0	1	0	0	0	0	0	2
Total	t	1 165	1 464	1 209	1 485	1 401	1 128	1 137	1 089
Value									
Fresh, chilled or frozen	\$'000	26 639	34 789	32 560	38 748	35 414	27 809	33 252	29 499
China	\$'000	5	0	0	769	445	611	627	143
France	\$'000	0	0	2 704	6 462	4 551	0	0	0
Hong Kong, China	\$'000	18 732	26 109	21 971	21 241	21 042	18 461	21 796	18 644
Malaysia	\$'000	1 611	1 287	949	1 563	1 130	1 909	1 927	1 608
Singapore	\$'000	5 392	5 715	5 232	7 314	7 278	6 225	8 360	8 108
United States	\$'000	63	74	38	19	11	11	10	260
Other	\$'000	836	1 603	1 666	1 380	956	591	533	735
Other	\$'000	2 048	126	6	25	3	29	1	10
Hong Kong, China	\$'000	2 036	93	5	24	0	0	0	0
Other	\$'000	11	34	0	1	3	29	1	10
Total	\$'000	28 686	34 916	32 566	38 773	35 417	27 838	33 254	29 508
Imports									
Quantity									
Fresh, chilled or frozen									
China	t	654	928	1 398	1 355	1 583	1 114	1 071	1 291
Indonesia	t	18	14	8	19	194	5	7	12
Japan	t	937	664	391	523	337	720	649	662
New Zealand	t	13	1	1	1	1	1	28	1
Peru	t	12	37	0	6	7	30	47	183
Thailand	t	338	408	310	257	365	293	197	395
Vietnam	t	7	7	20	43	32	14	29	36
Other	t	65	53	29	87	243	144	133	285
Total	t	2 024	2 104	2 297	2 421	2 665	2 460	2 170	2 810
Value									
Fresh, chilled or frozen									
China	\$'000	6 618	8 823	15 250	16 201	16 442	11 195	13 447	14 466
Indonesia	\$'000	144	100	41	145	943	9	59	74
Japan	\$'000	12 033	7 557	6 027	7 780	4 795	9 766	10 103	9 472
New Zealand	\$'000	267	20	7	5	26	28	550	16
Peru	\$'000	140	316	1	41	37	263	386	1 334
Thailand	\$'000	4 114	4 547	3 490	2 860	4 695	2 796	2 258	3 497
Vietnam	\$'000	64	49	144	401	366	141	302	453
Other	\$'000	935	441	324	980	1 639	2 252	2 286	3 247
Total	\$'000	24 241	22 027	27 458	30 756	29 814	28 081	29 889	33 542

^a Product weight.

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

119 Australian exports of fish, by product type and destination ^a

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity ^b								
Live fish	t	na						
Whole	t	20 434	20 406	18 534	18 489	18 413	21 829	17 710
China	t	1 369	1 734	672	743	640	1 339	639
Chinese Taipei	t	77	35	9	255	242	1 084	421
Germany	t	246	101	41	96	77	99	132
Japan	t	13 508	11 162	11 134	9 471	12 246	11 472	10 118
Saudi Arabia	t	119	134	75	37	0	0	133
Singapore	t	98	257	99	118	133	764	403
Thailand	t	826	2 077	1 635	1 866	826	1 268	1 520
United States	t	1 217	1 009	964	959	629	891	834
Other	t	2 974	3 896	3 906	4 944	3 620	4 913	3 510
Fillets	t	2 779	2 537	2 023	1 757	1 016	497	1 025
Japan	t	219	194	155	463	32	5	65
Thailand	t	127	140	1	31	8	1	39
United States	t	768	775	402	161	18	151	288
Other	t	1 666	1 427	1 466	1 102	957	340	632
Smoked, dried or salted	t	187	164	135	229	176	190	175
Canned	t	834	1 234	1 204	1 291	1 972	2 400	659
Other	t	1 736	1 591	1 364	1 184	838	790	1 201
Chinese Taipei	t	164	139	105	58	56	71	113
Japan	t	624	380	86	89	115	94	49
New Zealand	t	37	74	129	179	32	47	649
Other	t	911	998	1 043	859	634	578	389
Total	t	25 970	25 931	23 260	22 949	22 414	25 707	20 769
Value								
Live fish	\$'000	39 316	34 946	40 078	40 825	42 827	46 483	40 435
Whole	\$'000	311 085	209 555	208 048	194 718	238 924	246 880	173 531
China	\$'000	3 549	4 378	1 498	1 871	1 885	5 956	2 423
Chinese Taipei	\$'000	816	305	156	1 446	1 217	7 161	2 613
Germany	\$'000	1 320	600	354	879	832	1 264	1 612
Japan	\$'000	277 718	172 045	178 452	156 577	207 564	185 032	128 521
Saudi Arabia	\$'000	122	139	78	45	0	2	226
Singapore	\$'000	776	1 253	728	1 165	1 677	4 198	2 969
Thailand	\$'000	2 130	4 729	3 725	4 819	2 459	4 006	5 287
United States	\$'000	13 537	10 794	10 268	9 046	5 919	9 531	9 224
Other	\$'000	11 117	15 311	12 789	18 869	17 370	29 728	20 656
Fillets	\$'000	17 007	18 612	14 637	12 814	5 695	4 820	10 298
Japan	\$'000	1 222	1 318	878	4 495	317	125	446
Thailand	\$'000	239	268	7	418	165	24	630
United States	\$'000	8 541	11 306	6 121	2 083	182	1 984	3 188
Other	\$'000	7 005	5 720	7 631	5 818	5 031	2 687	6 034
Smoked, dried or salted	\$'000	19 471	20 047	13 687	15 305	16 641	17 211	13 055
Canned	\$'000	6 354	6 587	6 797	6 300	12 560	9 785	5 616
Other	\$'000	16 748	14 627	11 515	10 435	8 149	8 812	15 488
Chinese Taipei	\$'000	3 496	4 167	2 743	1 417	903	1 365	1 490
Japan	\$'000	6 701	4 971	2 611	2 826	2 557	3 663	1 896
New Zealand	\$'000	308	372	766	745	267	387	9 204
Other	\$'000	6 243	5 117	5 395	5 448	4 421	3 396	2 899
Total	\$'000	409 980	304 375	294 762	280 398	324 795	333 992	258 422

^a Excludes tuna. ^b Product weight. na Not available.

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

120 Australian imports of fish, by product type and source

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity ^a								
Live	t	na						
Fresh, chilled or frozen	t	64 475	59 847	59 724	59 772	61 914	57 292	61 492
Whole	t	24 846	21 368	18 157	16 614	17 905	15 823	17 595
New Zealand	t	13 429	9 563	8 543	9 132	10 457	10 505	9 896
Fillets	t	39 630	38 479	41 567	43 157	44 009	41 468	43 897
Chile	t	1 880	1 192	835	241	111	443	105
New Zealand	t	10 819	8 444	8 628	9 811	10 252	9 688	10 007
South Africa	t	5 144	3 989	2 625	3 023	2 446	2 444	3 372
Uganda	t	1 691	803	621	778	289	146	137
Smoked, dried or salted	t	2 811	2 957	3 074	4 219	3 755	3 690	3 553
South Africa	t	668	823	846	1 130	960	774	596
Denmark	t	895	936	923	1 170	920	1 124	1 059
Thailand	t	62	29	21	56	56	62	121
Canned	t	58 804	53 443	52 687	52 156	53 557	54 132	54 135
Canada	t	3 833	3 784	4 206	3 204	2 213	1 840	2 066
Thailand	t	44 266	38 872	36 952	36 373	39 326	40 442	41 727
United States	t	5 055	5 037	4 687	6 151	5 070	5 872	4 334
Other fish preparations	t	12 474	14 508	13 721	17 497	17 852	18 445	21 219
Japan	t	280	348	222	130	166	214	211
New Zealand	t	3 583	3 598	3 229	5 592	4 615	5 030	6 223
Thailand	t	3 746	5 462	4 524	4 818	5 630	5 697	6 143
Total	t	138 564	130 756	129 207	133 644	137 079	133 558	140 399
Value								
Live	\$'000	19	5	1	4	0	0	18
Fresh, chilled or frozen	\$'000	273 671	262 302	272 718	316 572	325 012	336 897	342 112
Whole	\$'000	78 122	72 742	71 421	81 424	90 255	90 700	101 425
New Zealand	\$'000	47 703	43 948	45 441	54 512	63 021	65 332	67 512
Fillets	\$'000	195 548	189 560	201 297	235 148	234 758	246 197	240 687
Chile	\$'000	4 925	3 330	2 352	809	247	1 153	275
New Zealand	\$'000	61 017	51 018	51 052	62 097	66 586	64 321	66 451
South Africa	\$'000	27 461	20 983	14 536	17 938	14 644	15 933	22 386
Uganda	\$'000	7 337	3 488	3 387	4 606	1 407	843	925
Smoked, dried or salted	\$'000	30 459	34 053	36 191	53 076	45 056	49 971	45 980
South Africa	\$'000	3 238	4 227	4 448	5 766	5 288	4 313	3 263
Denmark	\$'000	14 746	16 769	17 003	24 142	17 353	23 039	19 854
Thailand	\$'000	501	196	178	337	317	454	922
Canned	\$'000	186 148	188 745	228 710	243 766	257 466	331 171	257 484
Canada	\$'000	19 911	19 135	23 280	19 206	12 568	11 089	11 023
Thailand	\$'000	108 463	111 617	143 119	150 631	177 728	235 443	178 715
United States	\$'000	22 146	21 322	21 577	31 946	23 486	40 111	26 180
Other fish preparations	\$'000	54 510	62 181	64 451	87 632	87 467	106 578	105 867
Japan	\$'000	2 331	3 002	1 860	1 452	1 682	2 712	2 504
New Zealand	\$'000	17 690	17 345	15 945	28 780	24 654	30 222	34 351
Thailand	\$'000	11 957	15 814	14 352	15 375	17 186	23 510	21 074
Total	\$'000	544 806	547 285	602 070	701 050	715 002	824 617	751 461

^a Product weight. na Not available.

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

121 Australian exports and imports of oysters, by country

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Exports									
<i>Quantity</i>									
China	t	7	0	0	1	3	0	4	56
Chinese Taipei	t	2	0	1	1	0	0	0	0
Hong Kong, China	t	55	81	103	101	178	134	148	127
Japan	t	34	26	58	63	45	29	70	38
Singapore	t	60	6	5	9	4	48	105	77
Other	t	6	5	7	13	19	16	20	22
Total	t	163	119	174	187	249	228	346	320
<i>Value</i>									
China	\$'000	90	0	0	12	27	3	37	609
Chinese Taipei	\$'000	88	3	8	9	0	0	3	1
Hong Kong, China	\$'000	541	692	870	784	1 560	1 182	1 480	1 189
Japan	\$'000	542	326	719	777	521	400	824	514
Singapore	\$'000	428	106	82	86	35	433	775	629
Other	\$'000	52	55	66	115	151	115	159	197
Total	\$'000	1 742	1 182	1 746	1 783	2 294	2 133	3 278	3 138
Imports									
<i>Quantity</i>									
China	t	47	4	8	1	7	5	19	18
Hong Kong, China	t	3	1	1	2	1	0	1	2
Japan	t	30	41	11	0	0	2	1	3
Korea, Rep. of	t	28	28	15	0	2	0	0	10
New Zealand	t	685	674	872	673	827	717	790	791
Other	t	0	1	3	1	0	1	0	2
Total	t	792	749	910	678	837	726	811	826
<i>Value</i>									
China	\$'000	295	105	72	17	87	48	94	118
Hong Kong, China	\$'000	90	31	32	65	16	13	52	52
Japan	\$'000	364	440	113	1	0	46	27	32
Korea, Rep. of	\$'000	243	221	106	1	12	0	1	76
New Zealand	\$'000	5 933	5 981	6 631	5 710	6 725	7 128	8 675	8 399
Other	\$'000	0	19	21	13	0	35	18	19
Total	\$'000	6 926	6 797	6 975	5 808	6 841	7 270	8 867	8 696

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

122 Summary statistics for the Australian processed food industry

	Employment at 30 June a		Wages and salaries b		Sales and service income c		Industry value added	
	2005-06 '000	2006-07 '000	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m
Meat								
Meat processing	31	31	1 141	1 358	11 491	12 221	1 649	1 973
Poultry processing	18	18	825	822	3 897	4 123	1 247	1 132
Bacon, ham and smallgoods	9	10	333	417	2 448	2 593	436	593
Total	57	59	2 299	2 597	17 836	18 937	3 332	3 698
Dairy								
Milk and cream processing	8	7	373	411	3 710	4 350	771	820
Ice cream	1	1	22	40	174	297	52	64
Other dairy products	10	10	626	640	6 107	6 866	1 061	1 076
Total	19	19	1 021	1 091	9 991	11 513	1 884	1 960
Fruit and vegetables								
Oil and fat	13	14	612	599	4 672	4 325	1 165	1 056
Flour mill and cereal food	2	2	102	119	1 547	1 794	238	264
Flour mill products	2	3	121	197	1 418	2 501	282	463
Cereal food and baking mixes	6	4	318	241	2 274	1 565	660	461
Total	8	8	439	438	3 692	4 066	942	924
Bakery products								
Bread	10	12	455	430	1 917	2 189	757	728
Cakes and pastry products	8	9	251	304	1 134	1 288	372	399
Biscuits	5	5	219	227	954	987	419	424
Total	23	65	925	1 657	4 005	4 464	1 548	2 662
Other food								
Sugar	5	5	261	277	2 359	2 811	518	496
Confectionery	10	12	649	743	4 097	4 570	1 494	1 529
Seafood	4	3	125	120	1 330	1 396	224	130
Prepared animal and bird feed	4	0	241	0	2 700	0	481	0
Food nec	20	21	841	1 001	5 854	8 536	1 474	1 737
Total	44	40	2 117	2 141	16 340	17 313	4 191	3 892
Beverage and malt								
Soft drink, cordial and syrup	9	9	444	464	3 804	4 393	1 289	1 526
Beer and malt	4	4	314	261	3 845	3 891	1 544	1 495
Wine	16	18	751	803	5 640	6 297	1 362	1 512
Spirits	0	0	0	0	0	0	0	0
Total d	29	31	1 509	1 528	13 289	14 581	4 195	4 533
Total food and beverages d	193	238	9 024	10 170	71 372	76 993	17 495	18 989

a Includes working proprietors. b Excludes drawings of working proprietors. c Previously turnover. d Excludes spirits. na Not available.

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

123 Value of Australian food exports, by level of transformation

	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Minimally transformed								
Live animals except fish	1 001	602	594	668	752	761	924	925
Fish or shellfish	773	677	584	657	632	647	747	650
Horticulture								
Vegetables	200	161	155	149	147	137	152	150
Fruit and nuts	533	407	462	482	451	433	563	472
Total	732	568	617	631	598	571	716	622
Grains a								
Oilseeds	401	550	492	412	167	346	644	657
Food nec	73	46	46	49	54	41	49	43
Substantially transformed								
Meat								
Meat processing	5 626	5 723	6 902	6 673	7 048	6 506	7 411	6 313
Poultry processing	22	20	20	21	26	32	43	36
Bacon, ham and smallgoods	83	84	107	91	43	33	47	54
Total	5 730	5 827	7 029	6 785	7 117	6 571	7 501	6 403
Seafood								
Dairy								
Milk and cream processing	1 181	1 076	1 108	1 210	1 089	1 258	1 354	880
Ice cream	29	35	42	41	42	37	31	31
Other dairy products	1 286	1 176	1 335	1 318	1 307	1 467	1 293	1 155
Total	2 496	2 288	2 485	2 569	2 438	2 763	2 679	2 066
Fruit and vegetables								
Oil and fat								
Flour mill and cereal food								
Flour mill products	214	202	223	230	269	315	419	365
Cereal food and baking mixes	261	222	219	248	372	287	390	445
Total	474	424	441	478	642	602	809	811
Bakery products								
Bread, cakes and pastry products	19	18	18	26	27	26	25	26
Biscuits	97	106	114	107	111	118	127	135
Total	116	123	132	132	137	144	152	161
Other food								
Sugar a	1 238	1 000	1 127	1 503	1 551	1 035	1 374	1 807
Confectionery	295	271	259	208	215	237	269	259
Food nec	1 075	1 129	1 080	1 099	1 142	1 094	1 422	1 421
Total	2 608	2 400	2 467	2 809	2 907	2 366	3 065	3 487
Beverages and malt								
Soft drink, cordial and syrup	48	53	46	42	39	38	45	55
Beer and malt	324	282	241	218	273	335	447	406
Wine	2 428	2 497	2 721	2 768	2 894	2 700	2 493	2 188
Spirit	106	84	92	91	89	86	105	101
Total	2 905	2 915	3 100	3 120	3 294	3 159	3 091	2 750
Total food and beverages								
Minimally transformed	6 852	7 099	7 006	6 722	5 532	6 586	9 463	7 504
Substantially transformed	15 398	14 956	16 663	16 919	17 530	16 528	18 243	16 489
Elaborately transformed	365	347	341	286	297	324	350	361
Total	22 614	22 402	24 011	23 927	23 359	23 439	28 056	24 354

a Includes ABARES estimates where ABS confidentiality restrictions apply.

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

124 Value of Australian food exports to selected regions

	Asia		European Union 25		NAFTA	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
Minimally transformed						
Live animals except fish	527	537	0	0	6	4
Fish or shellfish	718	624	11	10	11	11
Horticulture						
Vegetables	82	80	21	17	1	0
Fruit and nuts	389	292	18	14	51	63
Total	471	372	39	31	51	64
Grains a						
Oilseeds	187	454	438	140	5	14
Food nec	30	23	5	5	1	1
Substantially transformed						
Meat						
Meat processing	4 169	3 746	300	227	1 818	1 331
Poultry processing	17	17	0	0	0	0
Bacon, ham and smallgoods	35	44	0	0	0	0
Total	4 220	3 807	300	227	1 818	1 331
Seafood						
Dairy						
Milk and cream processing	972	656	5	11	10	11
Ice cream	12	11	0	0	4	4
Other dairy products	876	812	41	23	133	76
Total	1 859	1 480	46	34	148	91
Fruit and vegetables						
Oil and fat	207	184	92	78	39	38
Flour mill and cereal food	169	163	15	27	20	14
Flour mill products	199	160	6	1	163	166
Cereal food and baking mixes	197	236	4	4	8	3
Total	396	396	10	5	171	170
Bakery products						
Bread, cakes and pastry products	5	5	0	0	0	0
Biscuits	14	16	5	4	9	11
Total	19	21	5	4	10	11
Other food						
Sugar a	1 155	1 552	5	0	88	103
Confectionery	107	92	8	7	12	12
Food nec	932	946	59	48	72	60
Total	2 194	2 590	72	55	172	174
Beverages and malt						
Soft drink, cordial and syrup	15	16	4	3	1	1
Beer and malt	413	371	0	0	0	0
Wine	314	353	1 060	868	980	830
Spirit	22	21	29	20	4	5
Total	763	761	1 092	891	984	836
Total food and beverage						
Minimally transformed	7 848	na	748	286	76	94
Substantially transformed	10 056	na	1 637	1 320	3 399	2 684
Elaborately transformed	86	83	12	10	20	22
Total	17 989	na	2 397	1 615	3 495	2 800

a Includes ABARES estimates where ABS confidentiality restrictions apply.

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

125 Value of Australian food imports, by level of transformation

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

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

126 Value of Australian food imports from selected regions

	Asia		European Union 27		NAFTA	
	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m	2008-09 \$m	2009-10 \$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	2	3	0	0	0	0
Horticulture						
Vegetables	19	24	2	4	12	12
Fruit and nuts	28	29	11	10	102	111
Total	48	53	14	14	114	124
Grains	1	1	0	0	0	0
Oilseeds	21	19	1	0	4	5
Food nec	91	82	4	4	5	6
Substantially transformed						
Meat						
Meat processing	0	0	217	215	286	255
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	2	10	13	7	27	23
Total	2	10	230	222	312	278
Seafood	866	833	53	50	64	52
Dairy						
Milk and cream processing	6	3	2	1	1	1
Ice cream	12	12	9	9	4	5
Other dairy products	7	6	165	144	29	27
Total	25	22	176	154	33	32
Fruit and vegetables	507	429	323	288	230	186
Oil and fat	326	251	142	173	18	7
Flour mill and cereal food						
Flour mill products	59	39	9	12	6	7
Cereal food and baking mix	312	294	136	138	53	55
Total	371	333	145	149	60	62
Bakery products						
Bread, cakes and pastry products	70	71	52	50	12	6
Biscuits	109	111	77	75	10	7
Total	179	181	130	125	22	13
Other food						
Sugar	21	61	4	4	4	3
Confectionery	98	112	230	225	49	48
Food nec	630	605	355	318	171	148
Total	750	778	589	547	224	199
Beverages and malt						
Soft drink, cordial and syrup	35	39	570	565	37	31
Beer and malt	18	17	85	79	108	98
Wine	1	0	217	201	2	2
Spirit	24	11	283	305	172	165
Total	76	68	1 155	1 150	319	296
Total food and beverages						
Minimally transformed	162	158	18	19	124	134
Substantially transformed	2 987	2 787	2 796	2 714	1 267	1 112
Elaborately transformed	116	118	145	144	16	13
Total	3 265	3 063	2 960	2 877	1 407	1 259

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

127 Value of world food imports, by level of transformation ^a

	2004 US\$m	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	Share b %
Minimally transformed						
Live animals except fish	10 500	12 525	14 305	15 454	16 746	1.8
Fish or shellfish						
Fish, live or fresh	32 914	37 180	42 193	46 563	50 390	5.4
Fish, dried, salted or smoked	3 176	3 482	3 840	4 488	4 769	0.5
Shellfish	21 134	21 701	23 359	24 338	24 964	3.0
Horticulture						
Vegetables	30 890	33 555	37 939	44 696	48 636	5.0
Fruit and nuts	46 255	51 792	56 353	64 648	74 154	7.5
Cocoa	9 228	9 805	10 000	12 145	15 230	1.4
Eggs, albumin	2 130	2 270	2 412	2 993	3 630	0.3
Grains and oilseeds						
Barley	3 462	3 894	3 899	5 923	8 651	0.7
Maize	13 604	12 785	14 256	22 374	29 299	2.4
Oilseeds, not soft oil	1 229	1 320	1 347	1 753	2 535	0.2
Oilseeds, soft oil	25 221	24 346	24 029	34 604	58 511	4.3
Rice	8 255	8 850	9 679	11 605	17 990	1.4
Wheat or meslin	20 162	18 743	21 463	31 573	45 457	3.5
Other cereal grains, nec	1 850	1 715	1 941	2 946	4 169	0.3
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	17 952	20 040	22 662	25 363	29 443	3.0
Meat, fresh, chilled or frozen	33 779	37 937	38 951	45 031	56 030	5.4
Meat or offal, preserved	2 514	2 488	2 804	3 670	4 034	0.4
Meat or offal, preserved, nec	8 576	10 180	11 274	13 125	15 403	1.5
Dairy						
Milk products, excluding butter and cheese	19 583	21 012	23 061	30 692	33 464	3.3
Butter and cheese	4 182	4 314	4 407	5 208	5 428	0.6
Cheese and curd	15 429	16 206	17 570	21 002	25 140	2.4
Fish or shellfish	12 953	13 973	15 365	16 916	19 387	2.0
Cereal products						
Flour or meal from wheat or meslin	1 882	1 597	1 686	2 376	3 667	0.3
Cereal flour or meal, nec	669	573	632	855	1 197	0.1
Cereal etc flour or starch	22 625	24 331	26 673	32 338	37 998	3.7
Horticulture						
Vegetables, prepared or preserved	14 314	15 058	16 658	20 068	21 879	2.3
Fruit, prepared or preserved	9 433	10 491	11 665	13 493	15 495	1.6
Fruit or vegetable juices	8 405	9 252	10 931	14 199	15 946	1.5
Sugar and confectionery						
Sugar, molasses and honey	15 422	18 972	23 116	23 522	25 364	2.7
Sugar confectionery	5 903	6 296	6 539	7 393	7 979	0.9
Chocolate and cocoa preparations	11 150	12 116	13 413	16 035	18 275	1.8

Continued

	2004 US\$m	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	Share ^b %
Animal and vegetable oil						
Margarine and shortening	2 072	2 171	2 465	3 258	4 453	0.4
Animal oil or fat	2 559	2 516	2 732	3 535	5 277	0.4
Vegetable oil or fat, fixed, soft	15 954	16 621	19 684	24 081	33 536	2.8
Vegetable oils, fixed, not soft	14 483	14 710	16 479	22 681	34 130	2.6
Animal or vegetable oils, processed	4 583	4 880	5 403	6 937	9 757	0.8
Other food						
Coffee and coffee substitutes	12 201	15 951	18 392	21 933	26 806	2.4
Tea and mate	3 544	3 798	4 170	4 615	5 695	0.6
Spices	3 210	3 018	3 244	4 045	4 746	0.5
Edible products, nec	29 796	32 598	36 297	42 702	49 683	4.9
Beverage						
Beverages, nonalcoholic, nec	8 877	10 035	11 682	14 234	15 399	1.5
Alcoholic beverages	42 955	46 257	50 890	59 977	64 827	6.8
Animal feed ^c	32 574	32 878	35 597	44 197	59 358	5.2
Total	607 588	654 232	721 457	869 581	1 054 928	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2006–2008. ^c Excludes unmilled cereal.

Sources: United Nations Statistics Division; ABARES.

128 Value of world trade in processed foods, by major exporting countries ^a

	2004 US\$m	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	Share ^b %
Meat						
Australia	4 804	5 236	5 351	5 495	6 060	6.4
Denmark	4 687	4 655	4 939	5 206	5 885	6.0
France	3 990	4 049	4 117	4 645	5 464	5.3
Netherlands	5 725	6 010	6 547	8 134	9 225	8.4
United States	5 275	6 700	7 313	9 141	12 614	9.7
Other	39 856	47 210	50 526	59 001	74 008	64.1
Total	64 337	73 860	78 794	91 623	113 257	100.0
Dairy						
Australia	1 746	1 859	1 829	2 021	2 233	3.7
France	5 224	5 378	5 574	6 893	7 833	11.9
Germany	6 301	6 795	6 993	9 050	9 944	15.1
Netherlands	4 712	4 648	4 856	5 936	7 045	10.5
New Zealand	3 317	3 665	4 046	5 550	6 589	8.9
Other	19 343	21 356	23 015	30 009	35 112	49.8
Total	40 643	43 700	46 312	59 458	68 756	100.0
Seafood						
Australia	77	77	72	75	76	0.4
China	2 594	3 177	4 216	4 490	4 917	23.0
Denmark	593	634	699	793	865	4.2
Korea, Rep. of	207	184	153	118	138	0.9
Thailand	2 253	2 497	2 994	3 168	3 875	17.5
Other	7 270	7 961	8 870	9 997	11 390	53.9
Total	12 994	14 530	17 003	18 640	21 260	100.0
Horticulture						
Australia	178	186	190	205	196	0.5
China	3 207	3 857	4 681	6 484	6 926	12.0
Italy	2 332	2 315	2 459	3 021	3 695	6.6
Netherlands	2 661	2 691	3 148	4 243	4 609	8.2
United States	2 497	2 710	3 042	3 416	4 059	7.5
Other	21 084	22 875	26 325	31 758	35 372	65.3
Total	31 958	34 634	39 844	49 127	54 857	100.0
Beverages ^c						
Australia	2 088	2 201	2 184	2 570	2 230	3.4
France	11 183	11 406	13 023	14 964	16 070	20.1
Germany	3 148	3 626	4 234	4 962	5 592	6.5
Italy	4 897	5 066	5 444	6 452	7 127	8.8
United Kingdom	6 179	6 360	6 858	8 193	8 428	10.9
Other	25 608	27 733	31 557	38 272	43 286	50.3
Total	53 103	56 393	63 299	75 413	82 733	100.0
Sugar and confectionery						
Australia	317	306	326	341	372	0.8
Belgium-Luxembourg	2 578	2 908	3 378	3 372	3 722	7.6
Brazil	2 987	4 275	6 513	5 433	5 874	11.9
France	2 617	2 583	2 888	3 112	3 305	6.9
Germany	3 218	3 562	3 935	4 473	5 205	9.7
Other	20 206	22 654	26 583	30 164	33 506	63.2
Total	31 923	36 287	43 624	46 896	51 985	100.0

Continued

128 Value of world trade in processed foods, major exporting countries ^a continued

	2004 US\$m	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	Share b %
Animal and vegetable oil						
Argentina	3 171	3 307	3 896	5 517	7 087	8.1
Australia	319	292	305	420	624	0.7
Malaysia	7 195	6 701	7 729	11 801	17 759	18.1
Netherlands	2 322	2 345	2 932	3 974	6 725	6.5
United States	2 115	1 960	2 211	3 202	4 879	5.1
Other	24 023	25 723	29 608	38 941	56 061	61.6
Total	39 145	40 327	46 680	63 855	93 135	100.0
Animal feed d						
Argentina	3 835	4 032	4 660	6 197	7 796	14.1
Australia	707	584	642	624	943	1.9
Brazil	3 402	2 998	2 590	3 191	4 687	9.0
Netherlands	2 800	2 940	3 142	3 757	4 982	9.4
United States	3 981	4 203	4 701	5 720	7 897	14.1
Other	14 673	15 146	17 197	21 760	28 074	51.6
Total	29 398	29 904	32 931	41 248	54 379	100.0
Cereal products						
Australia	448	448	468	577	749	1.6
Belgium-Luxembourg	2 283	2 305	2 442	2 994	3 731	8.2
France	2 549	2 609	2 724	3 255	3 871	8.9
Germany	2 993	3 210	3 630	4 228	5 426	11.6
Italy	2 669	2 791	2 947	3 259	4 322	9.5
Other	14 988	16 709	18 437	22 752	27 861	60.1
Total	25 931	28 071	30 647	37 066	45 960	100.0
Other processed food						
Australia	333	330	328	349	480	0.6
Brazil	2 420	3 330	3 854	4 568	5 612	6.1
France	2 223	2 351	2 514	3 074	3 642	4.3
Netherlands	2 990	3 199	3 363	4 052	4 836	5.7
United States	4 339	4 752	5 347	5 567	6 346	8.2
Other	35 276	40 787	46 246	55 156	65 242	75.2
Total	47 579	54 749	61 652	72 766	86 158	100.0
All processed food						
Australia	11 017	11 518	11 693	12 678	13 963	2.5
France	31 966	32 820	35 872	41 968	47 277	7.7
Germany	30 494	34 731	38 582	45 541	55 430	8.3
Netherlands	27 466	28 812	32 378	40 629	48 548	7.2
United States	24 920	27 523	31 062	37 801	47 853	6.8
Other	251 149	277 050	311 198	377 476	459 409	67.6
Total	377 012	412 454	460 786	556 092	672 480	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2006–2008. ^c Alcoholic and non-alcoholic.

^d Excludes unmilled cereal.

Sources: United Nations Statistics Division; ABARES.

129 Value of world trade in processed foods, by major importing countries ^a

	2004 US\$m	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	Share ^b %
Meat						
Australia	210	279	287	393	417	0.4
Germany	5 022	6 096	6 407	7 070	8 396	8.2
Italy	4 441	4 847	5 516	5 937	6 460	6.8
Japan	9 124	9 746	8 415	8 761	10 382	11.6
United Kingdom	6 478	6 777	7 165	8 202	8 666	9.3
Other	37 593	42 902	47 899	56 826	70 588	63.7
Total	62 869	70 646	75 691	87 189	104 910	100.0
Dairy						
Australia	256	297	325	394	568	0.7
Belgium–Luxembourg	2 726	2 655	2 760	3 491	3 652	6.2
Germany	4 519	4 557	5 286	6 437	7 048	11.3
Italy	3 492	3 518	3 613	4 459	4 918	8.1
Netherlands	2 532	2 584	2 711	3 418	3 352	5.9
Other	25 723	27 921	30 343	38 703	44 494	67.8
Total	39 249	41 532	45 037	56 902	64 032	100.0
Seafood						
Australia	234	277	302	360	497	2.1
France	891	936	982	1 147	1 337	6.7
Japan	2 707	2 614	2 672	2 551	2 437	16.5
United Kingdom	945	990	1 063	1 286	1 499	7.4
United States	2 576	2 749	3 104	2 974	3 301	18.7
Other	5 602	6 406	7 241	8 598	10 316	48.6
Total	12 955	13 973	15 365	16 916	19 387	100.0
Horticulture						
Australia	408	422	474	632	775	1.3
France	2 845	2 881	3 170	3 859	4 487	8.3
Germany	4 145	4 509	4 910	5 471	6 071	12.1
Japan	2 803	3 019	3 169	3 395	3 383	7.6
United States	4 282	4 758	5 283	6 375	7 103	13.4
Other	17 682	19 210	22 249	28 027	31 501	57.2
Total	32 165	34 800	39 254	47 760	53 320	100.0
Beverages c						
Australia	577	649	789	1 002	1 247	1.3
Germany	4 025	4 599	5 024	5 527	6 105	7.8
Japan	2 309	2 231	2 461	2 543	2 647	3.7
United Kingdom	6 540	6 763	6 952	8 074	8 046	11.2
United States	12 085	13 356	15 336	16 779	16 580	22.8
Other	26 307	28 694	32 011	40 287	45 602	53.2
Total	51 843	56 293	62 572	74 211	80 226	100.0
Sugar and confectionery						
Australia	253	293	304	408	489	0.8
France	2 147	2 063	2 168	2 762	3 072	5.8
Germany	2 587	2 657	2 729	3 129	3 725	7.0
United Kingdom	2 574	2 822	2 884	3 334	3 602	7.2
United States	3 476	3 943	4 640	4 206	4 736	9.9
Other	21 447	25 607	30 344	33 112	35 994	69.3
Total	32 484	37 384	43 068	46 949	51 618	100.0

Continued

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Value of world trade in processed foods, by major importing countries ^a continued

	2004 US\$m	2005 US\$m	2006 US\$m	2007 US\$m	2008 US\$m	Share ^b %
Animal and vegetable oil						
Australia	295	302	386	475	558	0.7
Germany	2 102	2 520	3 648	4 194	5 140	6.4
Italy	2 610	2 742	3 107	3 340	4 307	5.9
United Kingdom	1 293	1 314	1 599	1 967	2 799	3.3
United States	2 437	2 564	3 049	3 717	5 611	6.3
Other	30 922	31 454	34 976	46 798	68 738	77.4
Total	39 659	40 897	46 764	60 492	87 154	100.0
Animal feed ^d						
Australia	197	219	253	422	481	0.8
China	947	1 306	1 298	1 280	1 870	3.3
France	1 973	1 942	1 893	2 354	3 475	5.7
Germany	2 158	2 295	2 513	2 881	3 664	6.6
Japan	2 533	2 602	2 767	2 931	3 599	7.1
Other	24 789	24 516	26 874	34 329	46 268	76.6
Total	32 596	32 878	35 597	44 197	59 358	100.0
Cereal products						
Australia	235	269	316	390	474	1.1
France	2 000	2 037	2 125	2 564	3 230	7.5
Germany	1 874	2 121	2 211	2 446	2 993	7.3
United Kingdom	1 878	1 873	1 995	2 561	2 866	7.0
United States	2 883	3 181	3 541	3 959	4 458	11.3
Other	16 323	17 019	18 802	23 650	28 841	65.8
Total	25 194	26 500	28 991	35 569	42 862	100.0
Other processed food						
Australia	1 028	1 166	1 237	1 498	1 656	2.0
France	2 446	2 666	2 988	3 619	4 253	4.9
Germany	4 071	4 934	5 630	6 429	7 688	8.8
Japan	2 771	3 210	3 142	3 221	3 596	4.9
United States	5 686	6 567	7 283	8 045	9 000	11.2
Other	32 755	36 822	41 823	50 482	60 736	68.2
Total	48 757	55 364	62 103	73 295	86 929	100.0
All processed food						
Australia	3 693	4 172	4 671	5 973	7 162	1.1
Germany	31 175	35 060	39 208	44 555	51 912	8.3
Japan	25 840	27 239	26 553	27 969	31 683	5.7
United Kingdom	29 621	30 821	32 849	38 660	42 684	7.2
United States	41 696	45 471	50 153	54 395	59 147	10.3
Other	245 745	267 505	301 008	371 925	457 208	67.5
Total	377 770	410 269	454 441	543 478	649 797	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2006–2008. ^c Alcoholic and nonalcoholic.^d Excludes unmilled cereal.

Sources: United Nations Statistics Division.

130 Summary of Australian statistics for roundwood ^a

	Removals of roundwood ^a			Imports ^b '000 m ³	Exports ^b '000 m ³	Consumption per person m ³	
	Broadleaved '000 m ³	Coniferous '000 m ³	Total '000 m ³				
1964-65	9 555	2 054	11 609	4 138	308	15 439	1.36
1965-66	9 583	2 169	11 752	4 002	243	15 511	1.34
1966-67	9 144	2 183	11 327	4 110	414	15 023	1.27
1967-68	9 187	2 238	11 425	4 396	301	15 520	1.29
1968-69	8 987	2 344	11 331	4 624	342	15 613	1.27
1969-70	9 106	2 415	11 521	4 904	406	16 019	1.28
1970-71	9 256	2 555	11 811	4 999	435	16 375	1.25
1971-72	8 988	2 673	11 661	4 603	465	15 799	1.19
1972-73	9 778	2 808	12 586	5 937	2 110	16 413	1.22
1973-74	11 063	2 636	13 699	4 896	2 860	15 735	1.15
1974-75	10 921	2 850	13 771	5 404	3 145	16 030	1.15
1975-76	9 995	2 877	12 872	4 752	2 798	14 826	1.06
1976-77	11 331	3 078	14 409	5 558	3 831	16 136	1.14
1977-78	11 259	3 282	14 541	4 690	3 670	15 561	1.08
1978-79	10 595	3 381	13 976	5 478	4 156	15 298	1.05
1979-80	11 720	3 866	15 586	5 667	5 185	16 068	1.09
1980-81	11 464	4 447	15 911	6 019	4 568	17 362	1.16
1981-82	10 348	4 524	14 872	6 403	4 245	17 030	1.12
1982-83	9 217	4 442	13 659	4 694	4 206	14 147	0.92
1983-84	10 537	4 689	15 226	5 856	4 586	16 496	1.06
1984-85	10 919	5 768	16 687	7 195	4 626	19 256	1.22
1985-86	10 949	5 958	16 907	6 943	4 836	19 014	1.19
1986-87	11 222	5 516	16 738	6 333	5 845	17 226	1.06
1987-88	11 162	5 686	16 848	7 894	5 654	19 088	1.15
1988-89	11 475	6 153	17 628	8 069	5 093	20 604	1.23
1989-90	10 534	7 030	17 564	7 947	5 266	20 245	1.19
1990-91	10 037	6 553	16 590	6 836	5 522	17 904	1.04
1991-92	9 512	7 141	16 653	7 351	5 748	18 256	1.04
1992-93	9 801	7 866	17 667	7 697	6 106	19 258	1.09
1993-94	9 793	8 969	18 762	7 681	6 689	19 754	1.11
1994-95	10 857	8 703	19 560	8 915	7 976	20 499	1.13
1995-96	9 920	9 305	19 225	6 918	7 384	18 759	1.02
1996-97	9 437	10 640	20 077	7 502	8 462	19 117	1.03
1997-98	10 143	11 016	21 158	8 036	10 238	18 957	1.01
1998-99	9 878	10 960	20 838	8 116	10 013	18 941	1.00
1999-00	11 933	12 475	24 408	9 572	12 214	21 765	1.14
2000-01	11 777	12 697	24 474	8 474	13 176	19 772	1.02
2001-02	10 943	13 356	24 299	8 440	13 692	19 047	0.97
2002-03	11 908	13 911	25 819	9 246	14 911	20 154	1.01
2003-04	11 909	14 589	26 498	10 126	14 953	21 671	1.08
2004-05	12 803	14 196	26 998	10 563	15 271	22 291	1.09
2005-06	12 355	14 379	26 734	10 050	15 109	21 674	1.05
2006-07	12 602	14 590	27 192	10 368	16 635	20 925	0.99
2007-08	13 200	15 332	28 532	11 191	16 610	23 113	1.08
2008-09	12 175	13 368	25 543	9 792	15 108	20 227	0.92
2009-10	11 528	13 480	25 008	10 371	15 152	20 227	na

^a Gross roundwood equivalent (GRWE) of industrial log removals. Excludes log removals for firewood, including sawnwood, wood based panels, pulp, paper and paperboard, and woodchips.

Sources: ABARES; ABS, International trade, Australia, cat. no. 5465.0, Canberra; Forestry and Timber Bureau, Department of National Development, Compendium of Australian Forest Products Statistics: 1935-36 to 1967, Canberra.

131 Land areas, by vegetation cover ^a

	NSW '000 ha	Vic. '000 ha	Qld '000 ha	WA '000 ha	SA '000 ha	Tas. '000 ha	NT '000 ha	ACT '000 ha	Aust. '000 ha
Closed forest	505	242	2 100	141	4	611	666	0	4 270
(% of land area)	0.63	1.06	1.21	0.06	0.00	8.93	0.49	0.00	0.56
Open forest	19 223	4 419	9 310	2 393	357	894	7 439	86	44 120
(% of land area)	24.01	19.43	5.38	0.95	0.36	13.07	5.51	35.38	5.74
Woodland forest	6 480	3 177	41 172	15 130	8 494	1 610	22 905	37	99 007
(% of land area)	8.09	13.97	23.79	5.98	8.64	23.54	16.98	15.22	12.87
Plantation ^b	383	424	256	425	183	309	32	8	2 020
(% of land area)	0.48	1.87	0.15	0.17	0.19	4.52	0.02	3.24	0.26
Total forest									
vegetation cover	26 591	8 262	52 838	18 089	9 038	3 424	31 042	131	149 417
(% of land area)	33.21	36.33	30.53	7.15	9.19	50.06	23.01	53.83	19.42
Total land area	80 064	22 742	173 065	252 988	98 348	6 840	134 913	243	769 202

^a The increasing availability of high-resolution, remote sensing data and better methods for determining forest continue to improve estimates of Australia's forest cover. This largely explains the change in estimated total forest area from 164 million hectares in 2003 to 149 million hectares reported here; little of the change is because of real forest loss. For a full explanation see Australia's State of the Forests Report 2008 (Montreal Process Implementation Group for Australia). ^b As at June 2009.

Sources: Native forest: Australia's State of the Forests Report 2008, Montreal Process Implementation Group for Australia; National Forest Inventory, BRS, Canberra. Plantation: Gavran, M and Parsons, M, Australia's Plantations 2009 Inventory Update, National Plantation Inventory, BRS, Canberra.

132 Australian prices of selected forest products

	Used in manufacturing b			Produced by manufacturers c			
	Timber, board and joinery a	Log sawnmilling d	Pulp and paper products e	Log sawnmilling d	Paper and paper products e	Hardwood chips f	Softwood chips f
		index	index	index	index	index	\$/bdt
1980-81	50.3	na	na	51.4	58.5	na	na
1981-82	54.1	na	na	56.1	65.0	na	na
1982-83	57.7	na	na	60.5	71.1	na	na
1983-84	63.0	na	na	65.4	70.3	na	na
1984-85	70.1	na	na	71.5	73.0	na	na
1985-86	75.7	na	na	76.6	77.2	na	na
1986-87	79.2	na	na	79.4	84.5	na	na
1987-88	84.0	na	na	82.6	92.9	na	na
1988-89	93.4	na	na	92.1	96.9	144.00	101.83
1989-90	100.0	na	na	100.0	100.0	147.03	115.34
1990-91	101.9	na	na	104.3	103.3	147.89	126.74
1991-92	100.1	na	na	105.0	105.0	150.90	149.32
1992-93	103.8	na	na	112.6	105.1	148.34	149.22
1993-94	115.6	na	na	124.2	103.4	149.90	137.75
1994-95	118.8	na	na	131.9	111.0	152.76	140.65
1995-96	116.4	na	na	131.9	124.8	160.46	167.50
1996-97	116.2	127.4	91.4	130.5	108.6	161.98	138.58
1997-98	118.8	147.1	95.5	132.3	101.9	151.58	144.16
1998-99	120.6	145.6	101.6	135.3	105.4	152.02	147.52
1999-00	127.1	158.1	102.8	144.7	106.4	140.36	137.00
2000-01	133.3	196.5	117.0	152.2	113.0	146.27	158.39
2001-02	134.6	206.3	114.5	154.8	112.7	149.34	157.57
2002-03	138.1	152.6	104.9	162.3	114.2	150.81	138.71
2003-04	141.7	131.8	96.0	174.1	108.6	156.93	128.15
2004-05	144.1	142.5	91.6	183.0	104.6	158.40	132.56
2005-06	144.5	154.2	92.7	188.4	104.4	160.53	138.35
2006-07	146.5	166.0	95.5	206.1	106.8	162.87	144.97
2007-08	153.5	169.2	91.9	215.6	106.5	175.80	165.40
2008-09	160.1	226.3	96.6	229.7	108.4	188.17	196.43
2009-10	160.9	215.0	90.7	229.1	120.3	181.01	161.53

a Price index of materials used in house building; base 1989-90 = 100. b Price indexes of materials used in manufacturing industry; base 1989-90 = 100. c Price indexes of articles produced by manufacturing industries; base 1989-90 = 100. d Includes log sawmilling and timber dressing. e Includes converted paper products. f Average unit fob value of Australian exports in bone dry tonnes. na Not available.

Sources: ABS, *Price Index of Materials Used in Building Other Than House Building, Eight Capital Cities*, cat. no. 6407.0, Canberra; ABS, *Producer Price Index*, cat. no. 6427.0, Canberra; ABARES.

133 Sales and service income of turnover in forest product industries ^a

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ANZSIC 2006 group and class b							
Wood and wood products							
Log sawmilling and timber dressing							
Log sawmilling	na	na	na	na	1430	1 633	na
Wood chipping	0	0	0	0	825	883	na
Timber resawing and dressing	na	na	na	na	2268	2 630	na
Total	0	0	0	0	4523	5 145	na
Other wood product manufacturing							
Prefabricated wooden building	na	na	na	na	147 ^c	171 ^c	na
Wooden structural fitting and component	na	na	na	na	4 626	5 236	na
Veneer and plywood	0	0	0	0	414	477 ^d	na
Reconstituted wood product	na	na	na	na	1 111 ^c	1 118 ^c	na
Other wood products nec	na	na	na	na	767 ^c	952 ^c	na
Total	na	na	na	na	7 065	7 954	na
Total wood products ^e	na	na	12 159	12 089	11 589	13 099	12 498
Paper and paper products							
Pulp, paper and paperboard	na	na	na	na	2 582	2 763	na
Corrugated paperboard and paperboard container	na	na	na	na	2 980	3 185	na
Paper bag	na	na	na	na	521 ^c	260 ^c	na
Paper stationery	na	na	na	na	1 136	1 165	na
Sanitary paper product	na	na	na	na	2 205	2 147	na
Other converted paper product	na	na	na	na	319	383	na
Total ^e	na	na	9 557	9 555	9 589	9 904	9 542
Total forest product industries ^e	na	na	21 716	21 644	21 178	23 003	22 040
Total manufacturing ^e	na	na	320 323	338 136	376 595	396 277	420 921
Forest product industries % of total manufacturing	na	na	6.8	6.4	5.6	5.8	5.2

^a Sales and service income is defined as follows: sales of goods whether or not manufactured by the business. They are exclusive of goods and services tax (GST). See ABS publication *Explanatory Notes* for full details. ^b 2006-07 data is the first release of estimates using the 2006 edition of ANZSIC. Because of the combined effect of this new classification and methodological changes, new series have commenced with the 2006-07 data and are not directly comparable with previous years. See ABS publication *Explanatory Notes* for full details. ^c Estimate has a relative standard error of 10% to less than 25% and should be used with caution. ^d Not available; estimate included in totals. ^e Data collected for 2004-05 and 2005-06 (under ANZSIC 1993) has been mapped to ANZSIC 2006 and methodological changes applied to provide 'bridging' series for key totals only. na Not available.

Sources: ABS, *Manufacturing Industry, Australia*, cat. no. 8221.0, Canberra; ABS, *Manufacturing Indicators, Australia*, cat. no. 8229.0, Canberra.

134 Employment in forest product industries

	2003-04 '000	2004-05 '000	2005-06 '000	2006-07 '000	2007-08 '000	2008-09 '000	2009-10 '000
Labour force statistics a							
Forestry							
Forestry and logging	9.0	9.1	8.4	8.1	8.3	7.5	7.0
Forestry support services	3.0	3.3	3.0	3.3	5.0	2.8	4.0
Total	12.0	12.3	11.4	11.3	13.3	10.2	11.0
Total agriculture, forestry and fishing	366.8	357.1	348.1	350.4	352.5	357.6	369.2
% forestry and logging	3.3%	3.4%	3.3%	3.2%	3.8%	2.9%	3.0%
Total wood manufacturing industry							
Log sawmilling and timber dressing	20.0	20.0	17.8	16.8	15.3	10.8	12.0
Other wood product manufacturing	40.0	33.8	35.3	34.3	34.0	34.8	34.3
Paper and paper products	23.5	23.3	24.0	26.3	19.8	21.3	18.5
Total	83.8	76.8	76.5	77.5	69.0	67.0	64.4
Total manufacturing industries	1 032.6	1 050.9	1 024.7	1 023.9	1 056.0	1 017.0	1 005.6
% wood manufacturing industry	8.1%	7.3%	7.5%	7.6%	6.5%	6.6%	6.4%
Total forestry, logging and wood manufacturing							
Total employment	9 526.2	9 785.9	10 088.3	10 373.8	10 644.0	10 767.0	11 026.7
% total forestry, logging and wood manufacturing	1.0%	0.9%	0.9%	0.9%	0.8%	0.7%	0.7%

a Labour force annual employment data is the average of the quarterly survey data based on ANZSIC 2006. Caution should be used when utilising employment statistics at the ANZSIC subdivision and group levels due to estimates that may be subject to sampling variability and standard errors too high for most practical purposes. na Not available.

Sources: ABS, Australian Labour Market Statistics, cat. no. 6105.0, Canberra; ABS, The Labour Force, cat. no. 6203.0, Canberra; ABS, Manufacturing Industry, cat. no. 8221.0, Canberra.

135 Value of Australian forest products trade ^a

	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Imports							
Roundwood	1	1	0	1	1	1	0
Sawnwood							
Coniferous roughsawn	212	182	150	148	186	134	140
Coniferous dressed	182	189	150	143	191	168	200
Broadleaved roughsawn	58	63	65	67	59	51	41
Broadleaved dressed	50	58	53	60	56	53	48
Total	502	492	419	418	492	405	429
Railway sleepers	0	0	0	0	0	0	0
Miscellaneous forest products b	583	586	528	567	583	651	603
Veneer	23	24	25	32	33	28	22
Plywood	113	129	134	168	153	145	138
Particleboard	17	24	14	26	34	27	20
Hardboard	11	19	27	30	28	26	30
Medium density fibreboard	23	15	22	14	33	41	37
Softboard and other fibreboard	3	5	7	7	3	4	3
Paper and paperboard							
Newsprint	261	261	267	224	185	173	158
Printing and writing	1 431	1 451	1 438	1 453	1 456	1 468	1 355
Household and sanitary	138	128	152	177	137	154	164
Packaging and industrial	307	344	330	416	470	481	499
Total	2 137	2 184	2 187	2 270	2 248	2 276	2 175
Paper manufactures c	341	396	426	470	513	590	563
Wastepaper	5	2	1	2	2	1	1
Pulp	235	225	225	265	285	263	178
Pulpwood	1	2	2	1	2	2	1
Total	3 995	4 104	4 017	4 271	4 412	4 459	4 200

Continued

135 Value of Australian forest products trade ^a continued

	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 \$m
Exports							
Roundwood	114	73	82	117	105	101	138
Sawnwood							
Coniferous roughsawn	18	41	63	81	63	70	76
Coniferous dressed	17	21	15	18	11	9	7
Broadleaved roughsawn	29	28	31	35	38	38	33
Broadleaved dressed	10	12	12	11	8	8	9
Total	74	102	121	145	120	125	125
Railway sleepers	4	4	4	5	3	4	2
Miscellaneous forest products ^b	64	74	69	63	56	51	59
Veneer	8	6	7	6	19	36	44
Plywood	4	6	5	8	9	4	3
Particleboard	11	6	6	6	4	7	3
Hardboard ^d	6	5	5	3	0	1	1
Medium density fibreboard	112	119	121	97	76	52	35
Softboard and other fibreboard	9	12	10	6	2	1	1
Paper and paperboard							
Newsprint	0	1	0	0	3	2	6
Printing and writing	172	183	147	149	133	128	143
Household and sanitary	118	105	98	102	106	111	97
Packaging and industrial	344	338	356	400	395	364	404
Total	635	627	601	650	635	606	649
Paper manufactures ^c	149	126	125	112	103	106	102
Wastepaper	53	97	140	175	252	235	228
Pulp	1	4	5	12	15	18	13
Woodchips	794	858	839	950	1 072	997	856
Total	2 040	2 119	2 140	2 355	2 471	2 343	2 260

^a Values are duty or customs values for imports and fob from Australian ports for exports. ^b Includes such items as wooden doors, mouldings, packing cases, parquetry flooring, builders carpentry, cork, gums, resins, eucalyptus oils and other miscellaneous wood articles. Excludes wooden furniture.

^c Includes such items as boxes, bags, account books, note books, letter pads and other paper stationery. ^d Uncoated hardboard confidential from January 2007.

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

136 Australian production, trade and consumption of sawnwood

	2003-04 '000 m ³	2004-05 '000 m ³	2005-06 '000 m ³	2006-07 '000 m ³	2007-08 '000 m ³	2008-09 '000 m ³	2009-10 '000 m ³
Broadleaved (hardwood)							
Production	1 277	1 261	1 211	1 152	1 109 ^a	990 ^a	na
Imports	142	147	131	128	122	94	88
Exports	37	83	43	49	56	54	53
Consumption	1 372	1 314	1 290	1 220	1 164	1 021	na
Coniferous (softwood)							
Production	3 712	3 679	3 821	4 012	4 263 ^a	3 740 ^a	na
Imports	729	700	541	483	661	534	660
Exports	72	165	250	367	282	301	335
Consumption	4 369	4 214	4 112	4 128	4 643	3 973	na
Total broadleaved and coniferous							
Production	4 989	4 940	5 032	5 163	5 372 ^a	4 730 ^a	na
Imports	871	847	671	611	784	628	748
Exports	109	249	293	416	338	355	387
Consumption	5 742	5 528	5 402	5 348	5 807	4 995	na

^a ABARES estimate. na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; state and territory forest agencies; ABARES.

Forestry

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Volume of Australian imports of sawnwood, by source and type

	2003-04 '000 m ³	2004-05 '000 m ³	2005-06 '000 m ³	2006-07 '000 m ³	2007-08 '000 m ³	2008-09 '000 m ³	2009-10 '000 m ³
Country							
Czech Republic							
Spruce pine	69	60	52	60	77	57	88
Canada							
Douglas fir	50	48	36	33	28	24	18
Western red cedar	54	54	42	42	44	33	30
Other	22	19	7	7	11	18	20
Total	126	121	86	83	84	74	68
Malaysia							
Meranti ^a	30	27	27	21	20	17	18
Other	25	29	28	24	30	21	21
Total	55	56	56	45	49	38	39
New Zealand							
Radiata pine	332	303	222	198	219	172	192
Douglas fir	57	47	37	33	34	24	18
Other	47	48	38	44	44	39	59
Total	436	398	298	276	297	235	269
United States							
Douglas fir	3	1	0	0	1	0	0
Western red cedar	0	0	0	0	2	1	1
Other	9	6	6	5	7	15	21
Total	13	7	7	6	10	16	23
Region							
Asia	104	114	105	105	103	74	78
Europe	65	98	80	38	153	124	178
North America	139	127	93	89	94	90	90
Pacific	469	423	319	293	316	249	279
South America	17	22	23	25	41	34	34
Other	77	63	53	61	78	58	89
Total	871	847	671	611	784	628	748
(value \$m)	501.9	492.0	419.4	418.2	492.3	404.8	429.2

^a Includes lauan and seraya.

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

138 Australian production, trade and consumption of panel products

	2003-04 '000 m ³	2004-05 '000 m ³	2005-06 '000 m ³	2006-07 '000 m ³	2007-08 '000 m ³	2008-09 '000 m ³	2009-10 '000 m ³
Production ^a							
Plywood ^b	146	156	145	130	134	118	120
Particleboard	1 048	944	1 002	933	957	911	928
Medium density fibreboard	795	794	798	680	710	632	558
Total	1 989	1 894	1 944	1 743	1 800	1 661	1 606
Imports							
Plywood	178	200	205	244	237	199	228
Particleboard	60	65	37	77	100	69	64
Hardboard	13	22	30	38	32	24	33
Medium density fibreboard	47	28	52	26	69	88	70
Softboard and other fibreboards	8	12	14	14	14	11	6
Total	306	327	338	400	451	390	401
Exports							
Plywood	3	5	4	13	15	53	24
Particleboard	32	14	14	18	6	17	9
Hardboard	12	8	7	4	0	2	1
Medium density fibreboard	357	365	352	260	204	181	118
Softboard and other fibreboards	18	15	11	10	14	8	2
Total	421	406	389	306	239	260	154
Consumption							
Plywood	321	351	346	361	355	265	324
Particleboard	1 077	995	1 025	992	1 050	963	982
Medium density fibreboard	485	457	497	447	575	539	510
Total	1 882	1 804	1 868	1 800	1 981	1 767	1 817

^a Hardboard production is not available, annual capacity is approximately 50000 cubic metres. Excludes veneer. ^b Excludes laminated veneer lumber production from July 2003.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Engineered Wood Products Association of Australasia.

139 Volume of Australian imports of veneer and wood based panels, by source

	2003-04 '000 m ³	2004-05 '000 m ³	2005-06 '000 m ³	2006-07 '000 m ³	2007-08 '000 m ³	2008-09 '000 m ³	2009-10 '000 m ³
Plywood							
Chile	9.8	7.7	10.8	11.4	19.1	22.5	35.0
China	10.4	21.5	35.4	50.6	51.7	32.7	40.5
Indonesia	37.0	49.8	42.2	42.8	37.8	28.4	33.1
Malaysia	20.1	19.4	22.4	25.4	34.1	35.4	38.1
New Zealand	80.8	82.6	74.5	86.2	61.0	50.8	50.3
Other	20.1	19.4	19.5	27.6	32.9	29.3	30.6
Total (value, \$m)	178.1 113.0	200.3 128.6	204.8 133.6	244.0 167.7	236.6 152.7	199.1 145.4	227.7 137.7
Veneer							
Malaysia	3.2	3.2	3.6	2.0	3.1	3.4	2.6
New Zealand	3.1	8.5	12.3	16.5	16.0	7.8	5.3
Philippines	3.2	2.5	2.6	3.6	3.7	2.1	1.3
Singapore	0.1	0.3	0.1	0.3	0.8	0.1	0.1
South Africa	0.5	0.2	0.1	0.1	0.1	0.0	0.1
Thailand	0.0	0.0	0.0	0.0	0.1	0.0	0.1
United States	1.0	0.7	1.3	1.1	1.3	1.1	0.7
Other	4.3	5.5	3.7	5.5	6.4	7.0	5.3
Total (value, \$m)	15.3 23.1	20.9 24.3	23.7 24.9	29.0 31.5	31.5 33.4	21.4 28.3	15.4 21.7
Particleboard							
Germany	17.9	7.1	8.1	17.6	15.4	8.9	32.1
New Zealand	24.1	42.3	10.7	43.3	69.7	46.2	13.1
Other	18.5	15.9	17.9	16.5	14.5	13.6	19.0
Total (value, \$m)	60.5 17.2	65.2 24.4	36.8 13.7	77.5 26.2	99.6 34.4	68.7 26.8	64.2 20.3
Hardboard							
Germany	1.3	6.8	16.8	19.5	7.4	4.2	6.0
Malaysia	1.6	2.5	1.7	1.6	1.7	1.9	1.7
New Zealand	4.5	7.1	4.0	1.9	0.2	0.2	0.1
Other	5.4	5.3	7.8	15.4	22.8	17.2	25.2
Total (value, \$m)	12.8 10.7	21.7 18.8	30.2 27.3	38.4 29.9	32.1 28.1	23.5 25.7	33.0 30.4
Medium density fibreboard							
Malaysia	18.8	15.9	16.9	12.7	10.9	8.7	8.5
New Zealand	23.6	7.7	31.9	7.5	36.3	59.6	26.0
Other	4.8	4.1	3.1	6.3	21.6	20.0	35.5
Total (value, \$m)	47.2 22.9	27.7 15.0	51.9 21.6	26.5 13.8	68.8 32.7	88.3 41.0	69.9 36.9
Softboard and other fibreboards							
Germany	0.1	0.1	0.3	0.5	0.2	2.1	0.5
New Zealand	3.2	6.9	4.7	3.5	1.6	0.0	0.0
Other	4.4	5.2	9.3	10.2	12.5	8.5	5.7
Total (value, \$m)	7.7 3.4	12.2 4.9	14.3 7.1	14.2 7.2	14.3 2.9	10.6 4.0	6.2 2.9

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

140 Australian production, trade and consumption of paper and paper products

	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Production							
Newsprint	422	443	415	411	456	444	na
Printing and writing paper	585	659	663	693	706	723	na
Household and sanitary	200	197	203	190	186	196	na
Packaging and industrial paper	1 956	1 945	1 926	1 907	1 933	1 949	na
Total	3 164	3 244	3 207	3 201	3 281	3 312	na
Imports							
Newsprint	304	314	325	263	228	198	191
Printing and writing paper	1 102	1 190	1 140	1 174	1 235	1 122	1 167
Household and sanitary	85	78	88	102	81	82	101
Packaging and industrial paper	159	184	191	258	303	254	285
Total	1 650	1 766	1 743	1 796	1 847	1 656	1 744
Exports							
Newsprint	1	2	0	0	5	2	6
Printing and writing paper	160	175	147	132	119	112	146
Household and sanitary	36	37	32	32	37	38	31
Packaging and industrial paper	597	569	632	640	630	617	708
Total	794	782	811	805	790	769	890
Total consumption							
Newsprint	725	755	739	673	679	639	na
Printing and writing paper	1 527	1 674	1 656	1 735	1 822	1 733	na
Household and sanitary	248	238	259	259	230	240	na
Packaging and industrial paper	1 519	1 560	1 485	1 525	1 606	1 586	na
Total	4 020	4 227	4 139	4 192	4 338	4 199	na
Consumption per person							
Newsprint	36	37	36	32	32	29	na
Printing and writing paper	76	82	80	82	85	79	na
Household and sanitary	12	12	13	12	11	11	na
Packaging and industrial paper	75	77	72	72	75	72	na
Total	200	207	200	199	202	192	na

na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Australian Plantation Products and Paper Industry Council (A3P); ABARES.

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Volume of Australian imports of paper and paperboard, by type and source

	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Newsprint a							
Finland	4.3	1.7	1.8	2.5	1.7	1.7	1.8
Indonesia	30.7	24.8	21.6	19.2	20.1	16.1	22.5
Korea, Rep. of	60.0	63.8	74.3	78.5	38.0	17.7	16.7
New Zealand	191.3	201.9	214.3	139.1	137.9	155.0	132.0
Norway	1.2	10.8	4.4	0.1	0.1	0.3	0.0
Other	17.1	21.8	12.6	23.3	29.9	7.1	17.6
Total	303.5	314.0	324.5	262.5	227.6	197.6	190.6
(value, \$m)	261.0	260.7	266.9	224.1	184.6	173.4	158.0
Printing and writing paper							
Belgium	12.7	21.3	22.8	20.1	13.7	16.3	14.7
China	25.7	29.0	58.8	98.5	108.8	84.9	87.6
Finland	180.5	226.4	181.0	181.6	208.3	211.8	123.6
France	23.1	25.6	19.9	19.4	15.9	11.1	7.5
Germany	74.4	63.8	63.7	56.9	44.0	30.8	45.7
Indonesia	113.5	70.3	65.4	52.8	44.6	48.8	58.2
Italy	63.9	50.7	44.7	58.0	55.8	45.0	45.1
Japan	36.4	41.3	31.0	33.0	53.4	55.9	88.5
Korea, Rep. of	42.4	103.3	106.9	117.6	51.8	32.7	120.7
New Zealand	29.2	31.9	41.8	43.5	44.3	38.7	39.8
Sweden	70.3	83.9	75.1	83.1	80.6	77.3	64.1
United Kingdom	11.0	12.2	12.1	17.2	13.1	13.5	11.2
United States	126.8	135.7	129.7	118.2	113.3	105.2	107.1
Other b	292.0	294.2	287.1	273.5	387.6	350.0	353.6
Total	1 101.9	1 189.7	1 140.1	1 173.5	1 235.3	1 122.1	1 167.4
(value, \$m)	1 431.0	1 451.1	1 438.2	1 453.2	1 456.1	1 467.8	1 354.9
Household and sanitary products							
China	32.6	35.5	41.7	36.5	23.3	33.3	48.6
Indonesia	23.0	16.5	15.8	32.5	23.1	13.4	13.4
New Zealand	16.0	14.5	20.3	22.0	24.4	23.3	24.9
Other	13.1	11.4	10.2	10.9	10.3	12.1	14.2
Total	84.6	77.9	87.9	101.8	81.1	82.0	101.1
(value, \$m)	137.9	127.9	151.6	177.1	137.3	154.2	163.5

Continued

141 Volume of Australian imports of paper and paperboard, by type and source continued

	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Packaging and industrial							
China	10.5	15.6	20.9	26.9	29.3	26.1	34.6
Czech Republic	4.6	6.6	7.1	4.7	6.1	4.7	3.7
Finland	15.7	17.0	15.3	24.4	27.5	18.8	18.2
France	4.8	5.4	4.8	5.6	8.2	6.9	7.2
Germany	7.1	7.0	8.4	7.8	8.8	8.1	11.4
Hong Kong	1.3	2.9	2.1	2.0	2.5	1.8	1.4
Indonesia	5.1	7.0	7.7	11.2	16.8	12.8	13.0
Italy	8.3	6.8	6.2	5.8	5.6	1.8	5.2
Japan	5.6	8.0	5.6	6.2	6.4	4.1	5.1
Malaysia	6.8	8.5	8.6	11.1	12.2	13.5	16.2
New Zealand	18.0	30.7	35.6	76.0	92.5	73.3	73.6
Singapore	9.8	9.3	2.3	2.5	3.4	4.2	3.4
South Africa	6.3	7.3	9.3	5.8	4.3	3.5	4.4
Sweden	8.7	7.4	9.5	7.1	7.4	7.8	9.4
Thailand	5.9	8.5	12.6	17.3	12.1	10.1	14.7
United Kingdom	6.1	4.9	4.8	3.7	2.9	2.6	2.4
United States	14.1	14.6	12.9	18.0	28.4	24.4	26.8
Other	21.1	16.6	17.2	22.5	28.8	29.6	34.7
Total	159.5	184.1	190.8	258.4	303.1	254.0	285.3
(value, \$m)	306.8	344.4	330.3	416.1	470.4	481.0	498.8

a Uncoated paper (at least 60 per cent mechanical pulp) used mainly for the printing of newspapers. **b** Includes imports for which country of origin is confidential.

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

142 Australian production of wood pulp and use of wastepaper

	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Mechanical	381	387	371	372	445	449	na
Chemical a	781	727	782	810	750	777	na
Total pulp	1 107	1 160	1 153	1 182	1 195	1 226	na
Recovered paper used in domestic paper production	1 707	1 752	2 025	2 028	2 002	1 989	na

a Includes semichemical pulp. na Not available.

Sources: ABS, *Manufacturing Production, Australia*, cat. no. 8301.0, Canberra; Australian Plantation Products and Paper Industry Council (A3P); ABARES.

143 Volume of Australian imports of wood pulp, by type and source

	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Mechanical							
Canada	0.5	0.4	0.8	0.4	0.9	0.0	0.0
New Zealand	3.1	6.2	6.5	5.9	0.6	0.2	0.2
United States	0.0	0.0	0.0	0.0	0.2	0.3	0.2
Total	3.9	7.5	7.6	6.8	2.2	1.7	1.1
(value, \$m)	2.5	5.2	5.1	5.1	1.8	1.4	0.8
Chemical							
Brazil	55.4	59.0	78.1	113.4	82.5	81.6	63.5
Canada	55.4	58.5	65.1	64.0	72.4	77.9	61.9
Chile	53.4	45.3	36.5	45.5	85.5	55.2	26.3
Hungary	0.0	0.0	3.1	0.0	0.2	0.0	0.0
Indonesia	30.7	9.8	0.0	0.1	0.5	0.0	0.0
New Zealand	106.4	108.7	105.6	104.0	115.1	93.8	80.9
Thailand	33.9	24.7	22.3	0.0	0.0	0.0	0.5
United States	5.4	10.5	6.4	4.2	7.8	7.6	11.1
Other	2.3	0.4	3.7	10.8	5.1	9.9	4.9
Total	343.1	316.9	320.7	341.9	369.1	326.1	249.1
(value, \$m)	212.7	204.0	207.1	252.3	269.9	247.5	166.4
Semicchemical							
Brazil	10.5	4.2	1.0	0.0	0.0	0.0	0.0
Canada	8.4	4.2	8.8	4.0	3.8	2.6	0.0
Chile	2.4	3.0	3.3	0.0	0.0	0.0	0.0
Indonesia	0.0	4.0	2.0	0.0	0.0	0.0	0.0
New Zealand	7.1	10.1	4.6	6.3	13.6	14.4	14.8
Other	1.3	0.4	0.1	0.0	0.0	0.0	0.0
Total	29.7	25.9	19.7	10.3	17.4	16.9	14.8
(value, \$m)	19.9	15.8	12.8	7.7	13.5	13.7	10.6
Total wood pulp	376.6	350.3	348.0	359.0	388.7	344.7	265.0
(value, \$m)	235.1	225.1	225.0	265.2	285.2	262.6	177.8

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

144 Volume of Australian roundwood and woodchip trade

	Imports		Exports			Total	
	Roundwood a		Woodchips b		Broadleaved		
	'000m ³	'000m ³	Coniferous				
1970-71	118.2	na	na	na	na	na	
1971-72	122.2	na	na	na	na	na	
1972-73	97.1	na	na	na	na	na	
1973-74	102.1	na	na	na	na	na	
1974-75	37.2	na	na	na	na	na	
1975-76	46.4	na	na	na	na	na	
1976-77	32.2	na	na	na	na	na	
1977-78	27.6	na	na	na	na	1 540	
1978-79	17.0	na	na	na	na	1 777	
1979-80	0.6	na	na	na	na	2 213	
1980-81	0.1	na	na	na	na	2 110	
1981-82	1.7	na	na	na	na	1 910	
1982-83	1.7	na	na	na	na	1 898	
1983-84	0.5	na	na	na	na	2 222	
1984-85	0.5	na	na	na	na	2 283	
1985-86	1.0	na	na	na	na	2 224	
1986-87	1.0	na	na	na	na	2 477	
1987-88	1.0	na	na	na	na	2 749	
1988-89	2.9	8	110	2 787	2 897		
1989-90	6.3	16	122	2 475	2 597		
1990-91	0.5	80	118	2 687	2 804		
1991-92	0.3	86	317	2 454	2 770		
1992-93	1.6	242	384	2 458	2 843		
1993-94	6.1	421	503	2 530	3 033		
1994-95	2.1	287	857	2 870	3 728		
1995-96	1.6	351	820	2 531	3 351		
1996-97	1.1	616	852	2 471	3 323		
1997-98	6.1	391	1 045	3 270	4 315		
1998-99	5.7	778	1 033	2 852	3 885		
1999-00	2.3	1 150	1 046	3 582	4 628		
2000-01	1.3	1 098	1 100	3 894	4 994		
2001-02	0.9	1 192	849	3 872	4 721		
2002-03	2.3	1 199	995	4 442	5 437		
2003-04	1.7	1 335	1 099	4 165	5 264		
2004-05	1.4	807	1 104	4 494	5 598		
2005-06	0.6	864	989	4 374	5 363		
2006-07	5.0	1 171	1 072	4 880	5 952		
2007-08	0.7	1 045	1 133	5 033	6 166		
2008-09	1.4	986	964	4 291	5 255		
2009-10	0.9	1 377	847	3 971	4 818		

a Includes saw logs and pulp logs. b Bone dry tonnes. na Not available.

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

145 Summary of Australian statistics for grapes and grape products

	Grape production kt	Grape use		Australian wine		Production of dried vine fruit kt	Exports of dried vine fruit kt
		Wine making kt	Drying and table kt	Domestic sales ML	Sales per person L		
1964-65	690.5	225.4	465.1	63.0	5.5	109.6	70.9
1965-66	591.5	186.7	404.8	69.7	6.0	92.4	82.1
1966-67	694.7	241.5	453.2	79.8	6.8	108.4	69.0
1967-68	638.6	253.4	385.2	90.1	7.5	86.4	68.5
1968-69	553.4	299.6	253.8	100.2	8.2	55.6	62.4
1969-70	757.6	357.7	399.9	110.9	8.9	94.3	44.1
1970-71	548.0	293.6	254.4	110.5	8.5	60.4	59.9
1971-72	827.0	345.4	481.6	115.7	8.7	103.4	56.3
1972-73	606.3	330.5	275.8	130.0	9.6	57.0	72.6
1973-74	555.2	344.0	211.2	148.1	10.8	56.9	26.9
1974-75	733.6	432.5	301.1	168.0	12.1	66.9	31.6
1975-76	714.6	413.1	301.5	177.3	12.6	70.3	53.2
1976-77	728.4	458.3	270.1	187.0	13.2	64.5	44.2
1977-78	726.7	423.7	303.0	197.4	13.7	68.7	35.9
1978-79	760.4	466.1	294.3	231.1	15.9	61.8	46.1
1979-80	914.0	503.2	410.8	247.4	16.8	98.6	61.8
1980-81	754.8	486.8	268.0	264.9	17.7	60.2	52.1
1981-82	942.9	499.9	443.0	278.3	18.3	96.2	39.9
1982-83	807.3	431.3	376.0	293.7	19.1	84.5	58.1
1983-84	881.1	495.1	386.0	305.8	19.6	86.7	58.3
1984-85	890.0	559.0	331.0	320.5	20.3	77.0	56.0
1985-86	906.6	509.9	396.7	325.2	20.3	100.9	54.0
1986-87	859.2	523.5	335.7	329.8	20.3	69.8	58.2
1987-88	864.4	498.0	366.4	330.5	20.0	78.8	42.0
1988-89	977.1	640.6	336.5	309.1	18.4	64.4	51.9
1989-90	936.1	602.6	333.5	300.6	17.6	65.0	38.8
1990-91	940.0	539.0	401.0	296.3	17.1	88.7	36.4
1991-92	1 111.5	635.2	476.3	314.8	18.0	101.9	44.5
1992-93	909.5	626.2	283.3	312.1	17.7	45.4	55.1
1993-94	1 080.8	777.4	303.4	319.5	17.9	50.4	41.2
1994-95	939.7	629.8	309.8	316.3	17.5	53.5	14.7
1995-96	1 095.4	883.3	212.0	307.5	16.8	37.7	15.2
1996-97	1 161.0	798.0	363.0	332.8	18.0	69.3	25.3
1997-98	1 146.7	950.8	196.0	338.8	18.1	29.0	12.3
1998-99	1 293.8	1 101.0	192.8	348.3	18.4	44.0	13.7
1999-00	1 338.5	1 129.0	209.5	369.3	19.3	31.0	4.9
2000-01	1 590.7	1 421.9	168.8	384.8	19.8	16.7	6.4
2001-02	1 833.4	1 606.3	227.1	385.3	19.6	34.0	5.9
2002-03	1 578.7	1 411.4	167.3	402.5	20.2	17.0	9.7
2003-04	2 093.7	1 895.3	198.4	417.4	20.7	27.0	6.8
2004-05	2 146.1	1 938.0	208.1	430.1	21.1	28.5	6.6
2005-06	2 072.9	1 873.4	199.5	432.4	20.9	28.2	7.3
2006-07	1 570.1	1 410.3	159.7	446.5	21.2	17.4	6.8
2007-08	1 956.8	1 837.0	119.8	427.5	19.9	11.0	4.9
2008-09	1 797.0	1 683.6	113.4	429.9	19.6	17.1	4.3
2009-10	na	1 600.0	na	470.8	na	13.6	4.0

Sources: ABS, *Australian Wine and Grape Industry*, cat. no. 1329.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Sales of Australian Wine and Brandy by Winemakers*, cat. no. 8504.0, Canberra; ABS, *Vineyards Survey*; Australian Dried Fruits Corporation, *Annual Report*, Melbourne; Australian Dried Fruits Board, *Annual Report*, Melbourne; Australian Dried Fruits Association, Mildura; ABARES.

146 Australian wine exports, by type and major destination

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Type								
Table wine	ML	568.74	646.73	719.92	779.87	689.22	733.41	749.48
Red	ML	364.09	417.97	454.82	497.33	446.13	441.51	462.00
White	ML	204.65	228.76	265.11	282.54	243.10	291.90	287.49
Sparkling wine	ML	9.23	11.26	13.39	15.45	16.54	14.94	15.67
Fortified wine	ML	2.11	1.89	1.85	1.80	1.66	1.41	1.32
Other wine	ML	0.66	0.96	0.56	0.93	1.15	0.70	9.00
Total	ML	580.74	660.83	735.72	798.04	708.58	750.45	775.47
Major destination								
Canada	\$m	205.1	247.4	249.2	266.8	259.9	214.0	202.1
China	\$m	5.9	9.9	20.8	49.0	61.8	93.8	143.3
Germany	\$m	70.9	71.7	75.6	65.6	49.3	51.4	48.7
Hong Kong, China	\$m	17.9	20.0	25.1	26.4	33.8	43.1	42.0
Ireland	\$m	49.4	54.0	54.0	68.7	69.9	46.3	40.8
Japan	\$m	35.7	48.7	44.1	49.0	48.7	52.3	44.2
Netherlands	\$m	39.3	45.9	45.3	65.3	71.1	57.4	56.3
New Zealand	\$m	98.0	94.0	92.2	101.8	85.9	76.0	70.6
Singapore	\$m	30.7	33.1	37.6	42.9	46.0	41.3	40.9
Sweden	\$m	39.2	36.2	49.6	51.1	41.0	40.0	42.0
Switzerland	\$m	23.9	19.6	19.1	18.1	15.6	14.9	12.1
Thailand	\$m	5.2	7.7	7.8	10.4	13.3	12.0	12.3
United Kingdom	\$m	860.3	967.0	960.5	976.3	888.1	723.3	584.7
United States	\$m	905.4	896.7	901.3	956.1	745.5	741.2	629.4
Other	\$m	158.2	196.4	216.8	242.5	253.4	221.4	203.2
Value	\$m	2 545.0	2 748.2	2 799.0	2 989.9	2 683.2	2 428.4	2 172.5
Unit value	\$/L	4.38	4.16	3.80	3.75	3.79	3.24	2.80

Sources: ABS, *Sales of Australian Wine and Brandy by Winemakers*, cat. no. 8504.0, Canberra; Australian Wine Export Council, *Wine Export Approval Report*, Adelaide.

147 Australian domestic wine sales and imports, by type ^a

	2003-04 ML	2004-05 ML	2005-06 ML	2006-07 ML	2007-08 ML	2008-09 ML	2009-10 ML
Table wine	355.04	364.84	366.80	380.67	362.00	363.27	395.91
Red	147.07	155.49	154.24	162.11	155.19	159.05	176.44
White	207.96	209.35	212.56	218.57	206.81	204.22	219.46
Sparkling wine	34.68	38.40	39.79	39.88	36.59	36.52	40.11
Bottle fermented	21.56	22.99	23.13	23.27	21.66	20.77	19.86
Bulk fermented	13.12	15.41	16.66	16.62	14.94	15.75	20.25
Carbonated wine	3.47	4.21	4.25	5.43	8.48	9.73	14.01
Total unfortified wine	393.19	407.44	410.83	425.98	407.08	409.51	450.03
Total fortified wine	21.20	19.93	18.51	17.39	17.18	16.28	16.30
Vermouth and other wine	2.99	2.76	3.03	3.12	3.26	4.09	4.45
Total domestic sales	417.38	430.13	432.37	446.49	427.52	429.88	470.78
Total wine	436.16	452.27	459.54	480.75	481.83	492.11	535.07
Wine imports							
Table wine	11.87	14.78	19.60	25.48	43.58	50.61	54.18
Sparkling wine	4.78	5.19	5.92	7.00	8.27	9.59	8.36
Fortified wine	0.73	0.25	0.13	0.12	0.16	0.19	0.36
Other	1.40	1.92	1.51	1.66	2.31	1.84	1.39
Total	18.74	22.14	27.17	34.26	54.32	6.22	6.43

^a Covers wine produced by winemakers with sales of 250 000 litres or more in the previous financial year.

Sources: ABS, *Sales of Australian Wine and Brandy by Winemakers*, cat. no. 8504.0, Canberra.

148 Australian wine grape production and prices

	Unit	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Bearing area	'000 ha	153	158	163	166	157	159 ^a
Wine grape production							
Red wine	kt	1 071.0	1 023.9	674.2	984.1	888.0	900.0
White wine	kt	773.0	772.6	658.0	796.3	795.6	716.8
Multipurpose	kt	94.0	76.9	78.2	56.6	na	na
Total	kt	1 938.0	1 873.4	1 410.3	1 837.0	1 683.6	1 600.0
Exports							
Wine	ML	660.8	735.7	798.0	708.6	750.5	775.5
- value	A\$m	2 748.2	2 799.0	2 989.9	2 683.2	2 428.4	2 172.5
Australian weighted average wine grape price							
Cool climate	A\$/t	1 132	1 011	1 156	1 243	1 011	959
Warm climate	A\$/t	474	379	389	546	369	298

^a This figure is for wine grapes only. Prior to 2008-09 this figure includes grapes used for winemaking and other purposes such as drying and table.

na Not available.

Sources: ABS, *Australian Wine and Grape Industry*, cat. no. 1329.0, Canberra; ABS, *Sales of Australian Wine and Brandy by Winemakers*, cat. no. 8504.0, Canberra; Phylloxera and Grape Industry Board of South Australia, Adelaide; ABS, *Vineyards Survey*; Australian Wine Export Council, *Wine Export Annual Report*; Australian Regional Winegrape Crush Survey; ABARES.

149 Retail price indexes for alcoholic beverages ^a

	Beer	Wine	Spirits	Consumer price index ^b
1981-82	51.1	60.5	51.2	54.6
1982-83	58.2	65.8	55.6	60.9
1983-84	63.8	70.7	59.7	65.0
1984-85	69.0	75.6	63.7	67.8
1985-86	75.1	77.7	69.8	73.5
1986-87	82.8	83.9	77.1	80.4
1987-88	90.4	89.0	84.1	86.3
1988-89	91.9	96.0	91.4	92.6
1989-90	100.0	100.0	100.0	100.0
1990-91	107.0	100.9	110.6	105.3
1991-92	112.0	103.7	117.3	107.3
1992-93	115.2	105.6	119.3	108.4
1993-94	119.1	110.4	122.4	110.4
1994-95	122.7	116.0	126.4	113.9
1995-96	129.4	122.0	130.0	118.7
1996-97	132.9	124.3	134.6	120.3
1997-98	103.9	128.6	134.2	120.3
1998-99	135.9	130.3	136.6	121.8
1999-00	138.8	130.7	138.5	124.7
2000-01	151.2	137.8	147.3	132.2
2001-02	155.3	141.8	151.8	136.0
2002-03	161.6	143.2	157.2	140.2
2003-04	172.8	146.6	161.4	143.5
2004-05	180.4	148.2	165.0	147.0
2005-06	188.9	150.3	171.3	151.7
2006-07	194.0	148.4	176.1	156.1
2007-08	204.3	150.4	185.7	161.4
2008-09	213.4	152.9	209.3	166.4
2009-10	225.3	154.0	217.9	170.3

^a Weighted average for eight capital cities. ^b Base: 1989-90 = 100.

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

150 Production and trade of Australian dried vine fruit

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Production									
Dried weight	kt	17	27	29	28	17	11	17	14
Gross value	\$m	na	na	na	35	22	19	30	24
Gross unit value ^a	\$/t	na	na	na	1 235.8	1 286.5	1 752.3	1 760.2	1 741.7
Exports									
Volume	kt	10	7	7	7	7	5	4	4
Value	\$m	20	15	15	18	16	13	15	13

^a Weighted average based on realisations by Australian Dried Fruits Association packers (who pack over 90 per cent of Australian dried vine fruit) before deduction of packers' costs and charges. na Not available.

Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Vineyard Estimates*, cat. no. 1329.0, Canberra; Australian Dried Fruits Association, Mildura.

151 Production and export of Australian citrus, by variety

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Navel oranges									
Production	kt	296	208	225	256	246	236	222	264
Exports ^a	kt	101.12	67.09	80.87	102.88	98.19	99.40	83.48	114.80
- value	\$'000	119 165	84 646	94 458	111 674	112 990	118 027	98 227	127 844
Valencia oranges									
Production	kt	337	199	228	302	224	194	189	194
Exports ^a	kt	32.14	25.94	29.18	35.68	28.61	13.97	23.01	12.51
- value	\$'000	25 761	21 670	23 591	24 370	25 086	12 710	21 254	10 382
Mandarins									
Production	kt	98	97	121	92	104	94	101	102
Exports ^a	kt	29.63	28.58	27.37	22.76	18.22	20.51	23.25	30.72
- value	\$'000	49 206	43 284	40 594	34 837	28 782	33 619	34 486	46 465
Lemons and limes									
Production	kt	38	31	36	38	30	29	20	21
Exports ^a	kt	4.05	1.83	0.91	0.63	0.16	1.19	0.57	1.08
- value	\$'000	6 081	2 340	1 109	602	373	1 605	1 064	1 575
Grapefruit									
Production	kt	12	10	11	13	13	10	11	14
Exports ^a	kt	0.34	0.54	0.29	0.37	0.57	0.41	0.93	0.25
- value	\$'000	559	649	325	377	627	407	1 145	450

^a Fresh and dried.

Sources: ABS; Australian Citrus Growers Incorporated; Australian Horticultural Corporation, *Australian Horticultural Handbook*, Sydney.

152 Summary of Australian statistics for fruit and vegetables

	Fruit			Vegetables		
	Production	Exports	Imports	Production	Exports	Imports
	\$m	\$m	\$m	\$m	\$m	\$m
1981-82	593	na	na	554	na	na
1982-83	632	na	na	557	na	na
1983-84	655	na	na	739	na	na
1984-85	797	na	na	629	na	na
1985-86	837	na	na	714	na	na
1986-87	926	na	na	868	na	na
1987-88	1 004	na	na	928	na	na
1988-89	1 098	340	228	1 165	180	183
1989-90	1 176	325	223	1 328	185	249
1990-91	1 267	403	215	1 285	197	219
1991-92	1 599	456	290	1 290	236	238
1992-93	1 572	499	269	1 249	296	272
1993-94	1 478	501	290	1 444	349	305
1994-95	1 579	508	317	1 492	345	298
1995-96	1 709	571	362	1 616	384	309
1996-97	1 857	640	372	1 662	390	311
1997-98	1 819	625	391	1 812	403	338
1998-99	1 990	645	461	1 864	443	373
1999-00	1 976	670	473	2 004	453	374
2000-01	2 253	745	481	2 183	509	410
2001-02	2 333	857	506	2 269	586	451
2002-03	2 408	830	565	2 258	439	497
2003-04	2 350	690	587	2 380	399	527
2004-05	2 767	791	704	2 315	340	512
2005-06	2 833	829	741	2 833	365	528
2006-07	3 739	774	846	3 165	410	621
2007-08	2 959	760	928	3 363	384	731
2008-09	3 157 s	898	991	3 012 s	397	842
2009-10	3 150 s	778	943	3 072 s	375	744

a Gross value of production. s ABARES estimate. na Not available.

Source: ABS, *Agricultural Commodities Australia*, cat. no. 7121.0, Canberra; ABS, *Value of Principal Agricultural Commodities Produced*, cat. no. 7501.0, Canberra; *Value of Agricultural Commodities Produced*, cat. no. 7503.0, Canberra; ABARES.

153 Summary of Australian statistics for meat ^a

	Cattle numbers b million	Sheep numbers b million	Total red meat production c ki		Total red meat exports d ki		Total domestic consumption ki		Apparent consumption per person			
									Beef and veal e kg	Lamb and mutton kg	Pig meat kg	Poultry meat kg
			Total red meat ki	Exports d ki	Total red meat ki	Exports d ki	Total domestic consumption ki					
1969	21.55	174.3	1 850	785	1 136	38.6	37.5	11.3	10.5			
1970	23.73	171.7	1 955	775	1 120	39.6	36.4	13.6	10.4			
1971	26.70	155.4	2 148	924	1 263	40.3	43.6	13.8	11.1			
1972	28.44	134.1	2 283	1 168	1 240	40.4	39.2	14.6	12.3			
1973	30.16	139.5	2 269	1 154	1 163	43.6	27.5	16.0	13.0			
1974	32.04	145.8	1 945	665	1 278	55.0	25.6	13.1	13.4			
1975	32.67	144.1	2 364	1 001	1 415	62.0	23.7	11.7	13.4			
1976	30.95	131.3	2 670	1 204	1 421	66.4	21.1	12.1	14.4			
1977	28.63	127.5	2 889	1 420	1 440	70.3	19.4	13.0	15.6			
1978	26.41	130.5	2 824	1 449	1 370	65.9	17.0	13.3	16.6			
1979	25.52	132.7	2 513	1 334	1 229	50.4	21.0	13.5	18.7			
1980	25.17	131.4	2 311	1 159	1 180	45.3	19.8	15.5	20.1			
1981	24.55	135.0	2 172	939	1 232	47.6	19.0	15.3	20.2			
1982	22.48	130.5	2 473	1 184	1 294	49.3	20.4	14.8	19.4			
1983	22.16	135.1	2 131	948	1 218	42.3	20.5	15.9	20.2			
1984	22.78	145.7	2 003	709	1 301	44.3	22.1	16.4	19.8			
1985	23.44	150.4	2 162	859	1 288	40.1	24.4	16.7	21.6			
1986	23.67	153.2	2 341	1 032	1 306	41.4	22.5	17.2	22.8			
1987	23.52	156.5	2 452	1 131	1 314	39.9	23.0	17.3	23.2			
1988	24.03	164.9	2 404	1 079	1 335	41.2	21.3	17.5	23.5			
1989	24.86	173.8	2 465	1 054	1 420	43.2	23.0	17.7	23.8			
1990	25.37	166.6	2 705	1 318	1 368	40.1	21.3	18.3	24.6			
1991	25.33	151.0	2 739	1 380	1 386	39.5	21.8	18.4	25.0			
1992	25.18	140.5	2 827	1 490	1 349	37.2	20.2	19.3	25.0			
1993	25.76	132.6	2 805	1 460	1 345	37.0	19.7	19.0	26.4			
1994	25.74	120.9	2 863	1 475	1 429	38.8	20.8	20.0	27.3			
1995	26.38	121.1	2 656	1 365	1 306	35.0	17.0	19.8	26.7			
1996	26.69	120.2	2 634	1 289	1 369	39.3	16.6	18.4	27.5			
1997	26.85	117.5	2 883	1 479	1 432	41.3	16.9	18.8	29.0			
1998	26.58	117.5	2 973	1 590	1 406	38.3	17.0	19.3	30.8			
1999	27.59	115.4	2 982	1 628	1 397	37.9	16.3	19.2	31.0			
2000	27.72	110.9	3 132	1 745	1 461	37.7	18.3	19.8	32.9			
2001	27.87	106.2	3 136	1 835	1 367	34.5	16.7	18.8	32.3			
2002	26.66	99.3	3 131	1 787	1 441	36.9	15.4	20.7	35.8			
2003	27.47	101.3	2 960	1 608	1 468	37.7	13.5	22.1	34.6			
2004	28.18	101.1	3 081	1 728	1 476	37.6	13.0	22.3	36.2			
2005	28.39	91.0	3 097	1 758	1 509	36.7	13.0	23.8	37.7			
2006	28.04	85.7	3 240	1 855	1 559	38.0	13.9	23.4	39.3			
2007	27.32	76.9	3 247	1 829	1 640	37.9	14.2	25.9	38.9			
2008	27.91	72.7	3 156	1 847	1 546	35.3	12.5	24.7	37.4			
2009	26.73	67.7	3 071	1 784	1 564	34.1	11.5	24.9	37.2			

^a Data up to 1970 are on a financial year (July–June) basis (1970 = 1970–71). ^b Before 1987, includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$2500 or more. From 1987, the EVAO was raised to \$5000. ^c Beef and veal, mutton and lamb and pig meat production, expressed in carcass weight. ^d Before 1970, the exportable surplus of meat was derived by subtracting consumption from production, expressed in carcass weight, excluding farm-killed from July 2007. ^e Includes canned beef and veal before 1976. ^f Not available.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra; ABARES.

154 Australian saleyard prices of livestock ^a

	Yearling c/kg	Ox c/kg	Cow c/kg	Weighted average c/kg	Lamb c/kg	Mutton c/kg	Pig c/kg
1984	194.5	164.1	149.4	166.8	113.1	48.5	171.1
1985	193.0	173.8	155.6	171.3	89.1	35.8	176.9
1986	197.5	183.2	155.2	174.3	116.1	34.8	182.2
1987	207.6	196.3	167.3	186.7	128.5	43.0	186.3
1988	232.4	210.2	179.9	203.6	132.3	61.7	201.0
1989	245.8	213.5	185.1	212.6	137.7	45.4	222.1
1990	247.4	219.2	183.3	213.4	137.0	16.5	201.4
1991	229.5	219.6	176.2	202.1	120.6	11.2	214.3
1992	226.7	225.4	174.2	200.3	131.4	28.9	196.1
1993	244.9	250.1	184.8	218.6	185.4	34.3	213.0
1994	257.8	243.9	187.0	222.6	146.3	34.1	202.3
1995	238.3	216.9	169.2	201.8	187.3	68.4	218.1
1996	185.4	163.2	129.9	155.3	237.4	67.7	247.4
1997	190.0	184.7	135.3	162.6	205.6	75.2	218.6
1998	208.2	203.3	158.3	181.0	179.4	79.3	180.0
1999	233.1	215.4	183.5	204.3	208.5	61.7	216.0
2000	261.8	246.1	219.7	237.1	170.1	71.8	249.1
2001	331.0	315.5	289.4	307.2	262.4	145.8	276.2
2002	289.3	275.4	235.3	259.1	327.5	169.7	260.3
2003	318.7	309.3	249.9	281.3	388.0	204.3	229.6
2004	343.7	324.0	281.1	309.1	375.8	182.2	229.4
2005	367.6	329.0	285.2	320.7	348.3	169.4	233.5
2006	340.7	324.4	267.5	303.4	325.7	139.9	245.9
2007	324.1	311.8	253.8	287.3	322.1	153.4	243.4
2008	332.8	318.6	267.8	297.5	385.1	173.6	276.6
2009	319.8	298.7	253.0	281.3	439.0	253.8	337.9
2009							
January	319.0	302.4	258.3	284.2	410.9	178.1	366.1
February	307.4	287.4	252.7	274.9	409.0	183.3	364.7
March	318.8	301.5	256.1	283.5	430.7	204.2	361.7
April	324.5	292.2	252.3	278.5	447.8	228.2	358.5
May	323.0	293.6	250.6	277.5	464.9	254.1	342.7
June	332.5	309.4	260.8	289.0	502.3	299.6	322.5
July	341.2	323.8	264.5	297.0	498.5	308.0	317.4
August	334.3	315.4	260.0	292.8	445.1	281.6	318.8
September	327.6	308.0	256.2	288.6	440.7	274.1	321.1
October	313.8	292.9	247.0	277.3	412.3	269.8	323.1
November	304.5	285.7	242.9	271.9	381.2	275.8	328.2
December	290.4	272.5	234.2	260.1	424.9	289.4	330.4
2010							
January	312.6	291.7	246.1	275.6	471.4	313.9	328.4
February	328.6	308.1	256.0	288.1	488.9	323.9	321.0
March	344.6	317.2	270.8	301.3	479.7	357.6	310.2
April	348.6	310.7	265.5	298.2	484.0	365.8	288.3
May	343.5	318.5	270.6	300.1	504.4	384.0	265.1
June	344.4	324.2	273.0	301.6	531.4	418.5	256.1

^a Prices are on an estimated dressed weight basis and, with the exception of 'yearling', are for export quality stock: ox, 320–400 kilograms; cow, 200–240 kilograms; before January 1996, lamb, 16–18 kilograms, score 3; from January 1996, lamb, 18–20 kilograms, score 3; mutton, 18–24 kilograms, score 3, from July 2003, trade lamb, 18–22 kilograms, score 2–4, mutton, 18–24 kilograms, score 2–3, from June 2006, trade lamb 18–22 kilograms, score 2–4, mutton 18–24 kilograms, score 2–3; and pig, 60–75 kilograms. Quotation is the monthly average of fat stock prices in each major state market, weighted by the monthly production of each meat in the respective states.

Sources: Meat & Livestock Australia, *Meat the Market*, Sydney; National Livestock Reporting Service; Meat & Livestock Australia, *Meat and Livestock Weekly*; ABARES.

155 Australian retail prices of meat

	Beef a c/kg	Lamb a c/kg	Pork a c/kg	Chicken b c/kg
1987	747.0	481.6	586.6	449.2
1988	814.4	519.6	621.9	463.6
1989	908.9	554.4	679.9	504.8
1990	961.6	582.6	700.2	502.6
1991	974.0	570.7	710.0	479.7
1992	963.7	551.8	698.7	456.0
1993	963.7	620.8	716.7	448.2
1994	997.4	611.0	719.6	422.6
1995	1 008.0	655.0	732.0	453.5
1996	991.0	708.8	771.6	481.3
1997	978.0	704.7	798.1	494.2
1998	982.3	696.1	773.7	484.6
1999	1 010.8	723.3	807.7	490.0
2000	1 061.0	724.3	850.1	477.7
2001	1 226.2	857.8	945.6	496.9
2002	1 320.7	982.8	1 024.8	503.4
2003	1 367.4	1 097.2	1 021.3	509.1
2004	1 400.3	1 159.2	1 025.5	533.8
2005	1 506.4	1 189.0	1 140.5	510.0
2006	1 551.9	1 225.9	1 168.3	490.0
2007	1 532.8	1 214.0	1 194.6	505.7
2008	1 579.5	1 276.7	1 261.2	550.8
2009	1 614.1	1 389.7	1 362.5	548.6
2006				
March	1 551.6	1 204.3	1 175.5	493.3
June	1 564.8	1 231.8	1 144.8	496.9
September	1 560.1	1 238.1	1 172.0	485.7
December	1 530.9	1 229.5	1 181.0	484.1
2007				
March	1 515.8	1 191.1	1 212.4	494.3
June	1 545.0	1 220.9	1 183.8	497.4
September	1 538.5	1 222.1	1 173.4	505.1
December	1 531.9	1 222.1	1 208.9	526.0
2008				
March	1 579.0	1 249.0	1 236.0	551.5
June	1 571.4	1 272.4	1 263.2	552.0
September	1 572.4	1 277.0	1 258.3	548.5
December	1 595.0	1 308.5	1 287.5	551.0
2009				
March	1 627.1	1 389.8	1 388.4	553.6
June	1 620.5	1 401.9	1 372.4	541.8
September	1 605.4	1 397.3	1 341.8	549.5
December	1 603.5	1 369.8	1 347.4	549.5
2010				
March	1 613.9	1 415.6	1 346.0	540.3
June	1 608.2	1 451.1	1 359.2	544.9

a Price estimates are formed by indexing forward from actual average prices of beef, lamb and pork during December quarter 1973, based on meat subgroup indexes of the consumer price index. These indexes are based on average retail prices of selected cuts (weighted by expenditure) in state capitals. **b** Price estimates are formed by indexing from the December quarter 2007 price for fresh whole chickens.

Source: ABS, Consumer Price Index, cat. no. 6401.0, Canberra; ABS, Average Retail Prices of Selected Items, cat. no. 6403.0, Canberra.

156 Prices for Australian meat on principal overseas markets

	Beef				Mutton	Lamb	
	United States		Japan ^a		Japan ^a	United Arab Emirates ^a	United States ^a
	Boneless frozen ^b	Boneless frozen ^b	Boneless frozen	Boneless chilled	Boneless chilled ^c	Carcasses frozen	Carcasses frozen
	USc/kg cif	Ac/kg fob	Ac/kg fob	Ac/kg fob	Ac/kg fob	Ac/kg fob	Ac/kg fob
1985	212.0	260.0	305.0	397.0	172.0	160.0	na
1986	201.0	262.0	308.0	439.0	159.0	166.0	na
1987	229.0	283.0	341.0	464.0	186.0	184.0	na
1988	245.0	270.0	336.7	477.0	172.8	188.9	238.3
1989	270.7	295.0	339.4	527.3	189.7	186.3	231.3
1990	266.5	301.0	366.8	523.5	241.2	176.9	223.2
1991	265.5	304.4	344.2	571.5	190.3	199.2	229.1
1992	248.8	301.4	335.8	567.6	246.4	239.2	244.8
1993	264.8	354.9	318.7	585.2	283.8	213.3	299.8
1994	240.1	297.7	308.9	576.4	270.8	192.5	259.6
1995	194.5	227.8	269.5	582.1	310.0	213.1	277.0
1996	173.7	187.9	228.2	473.3	298.2	217.3	327.6
1997	187.5	218.4	236.7	486.8	263.4	234.4	351.4
1998	175.1	244.3	253.9	523.9	324.9	249.2	398.8
1999	189.8	259.7	270.9	540.7	344.5	222.8	374.2
2000	195.5	308.8	311.9	566.5	559.7	272.9	380.5
2001	214.7	384.0	374.6	650.3	717.8	290.6	472.9
2002	218.7	368.9	339.7	636.5	782.5	320.4	548.6
2003	214.6	291.0	315.1	645.2	728.6	322.2	505.0
2004	272.7	339.3	378.4	710.5	766.5	349.6	539.5
2005	282.1	336.4	367.0	708.5	519.0	362.1	547.5
2006	277.4	332.8	350.4	703.8	703.9	331.2	532.1
2007	281.0	302.5	319.9	668.9	925.9	315.7	512.8
2008	328.3	338.8	367.3	775.6	883.5	325.7	618.7
2009	281.8	354.7	350.4	679.4	793.4	375.2	721.1
2008							
March	297.6	303.3	309.9	739.4	785.1	292.7	667.1
June	346.7	338.8	333.2	744.0	826.2	325.7	576.1
September	386.2	404.1	397.5	768.1	800.5	335.9	510.6
December	282.5	388.8	428.6	850.8	1 122.3	348.5	721.0
2009							
March	265.6	362.7	395.7	756.5	535.5	385.0	822.5
June	279.7	336.0	356.5	682.9	949.1	384.5	761.0
September	291.1	260.2	337.4	654.6	816.6	408.1	699.2
December	290.8	241.4	312.0	623.6	872.5	323.2	601.5
2010							
March	334.0	257.6	330.7	650.9	1 019.0	449.4	731.7
June	360.9	269.7	356.4	647.2	1 025.1	498.0	836.2

^a Average unit value of exports. ^b Beef that is 90 per cent chemical lean. ^c Fresh, chilled. Before and including 1987, figures are for the financial year ending June of the year quoted; from 1988 figures are for the calendar year ending December. na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Meat & Livestock Australia, *Meat the Market*, Sydney.

Meat – general

157 Australian exports of meat, by product ^a

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Quantity									
Beef and veal ^b	kt	902	860	948	892	974	930	968	899
Mutton ^b	kt	152	120	137	145	162	158	146	111
Lamb ^b	kt	98	112	123	143	150	163	156	157
Pig meat ^b	kt	63	51	43	44	41	39	32	30
Poultry meat ^b	kt	23	20	20	22	28	30	37	28
Live sheep ^c	'000	5 843	3 843	3 233	4 248	4 138	4 069	4 064	3 055
Live cattle ^c	'000	977	581	574	549	638	713	856	906
Value ^d									
Beef and veal ^e	\$m	3 756	3 793	4 584	4 272	4 634	4 190	4 857	3 953
Mutton ^e	\$m	442	380	398	432	458	443	482	433
Lamb ^e	\$m	533	602	673	767	748	803	925	916
Pig meat	\$m	256	181	150	143	142	128	124	109
Poultry meat	\$m	22	20	20	21	26	32	43	36
Live sheep ^c	\$m	408	266	207	291	289	286	339	297
Live cattle ^c	\$m	569	318	374	358	437	451	559	601
Total	\$m	5 987	5 560	6 405	6 284	6 734	6 333	7 329	6 345
Unit value ^d									
Beef and veal	\$/kg	4.16	4.41	4.83	4.79	4.76	4.51	5.01	4.38
Mutton	\$/kg	2.92	3.16	2.93	2.98	2.84	2.81	3.28	3.97
Lamb	\$/kg	5.44	5.36	5.47	5.36	4.98	4.94	5.94	5.83
Pig meat	\$/kg	4.07	3.58	3.44	3.24	3.45	3.27	3.84	3.64
Poultry meat	\$/kg	0.95	0.98	1.01	0.97	0.93	1.06	1.15	1.30
Live sheep	\$/head	69.87	69.34	63.92	68.61	69.77	70.40	83.44	97.13
Live cattle	\$/head	582.90	549.85	652.47	659.60	694.67	635.27	653.25	666.35

^a Excludes re-exports and ships' stores. ^b Fresh, chilled and frozen; shipped weight. ^c Excludes animals for breeding. ^d fob. ^e Based on quantity data from DAFF and export price data from the ABS.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra; ABARES.

158 Summary of world statistics for livestock

	Livestock numbers		Production			
	Cattle million	Sheep million	Beef and veal Mt	Mutton and lamb Mt	Pig meat Mt	Poultry meat Mt
1965	1 010	1 033	31.9	5.1	31.3	11.0
1966	1 029	1 042	33.6	5.1	32.4	11.7
1967	1 051	1 061	35.3	5.3	33.9	12.4
1968	1 066	1 075	37.0	5.5	34.4	12.8
1969	1 071	1 081	37.9	5.4	34.1	13.7
1970	1 083	1 064	38.4	5.6	35.8	15.1
1971	1 098	1 067	38.1	5.7	39.4	15.7
1972	1 120	1 038	38.6	5.7	40.6	16.8
1973	1 139	1 017	38.8	5.4	40.5	17.6
1974	1 167	1 030	41.9	5.2	42.4	18.3
1975	1 188	1 049	43.7	5.3	41.7	18.7
1976	1 200	1 049	46.1	5.3	40.8	20.0
1977	1 205	1 039	46.5	5.4	43.0	21.2
1978	1 206	1 051	47.0	5.4	45.6	22.7
1979	1 211	1 070	45.8	5.4	50.1	24.6
1980	1 217	1 099	45.6	5.6	52.7	26.0
1981	1 228	1 114	45.9	5.9	53.0	27.5
1982	1 242	1 133	45.9	5.9	53.2	28.5
1983	1 249	1 128	47.1	6.1	55.5	29.2
1984	1 255	1 121	48.5	6.1	57.5	29.8
1985	1 260	1 121	49.3	6.2	60.0	31.2
1986	1 267	1 128	51.0	6.2	61.5	33.3
1987	1 267	1 144	50.9	6.3	63.6	35.9
1988	1 273	1 165	51.4	6.6	67.1	37.7
1989	1 290	1 200	51.7	6.8	68.2	38.6
1990	1 298	1 207	53.4	7.0	69.9	41.0
1991	1 298	1 183	53.9	7.1	71.9	43.1
1992	1 304	1 160	53.1	7.0	74.1	45.5
1993	1 305	1 119	52.6	7.1	76.5	48.1
1994	1 316	1 108	53.4	7.2	79.2	50.8
1995	1 325	1 072	54.2	7.2	80.1	54.6
1996	1 319	1 058	54.7	7.0	79.4	56.3
1997	1 310	1 040	55.4	7.2	83.1	59.7
1998	1 309	1 043	55.3	7.3	88.4	62.3
1999	1 312	1 050	56.3	7.3	89.3	65.2
2000	1 315	1 059	56.3	7.7	89.8	68.2
2001	1 316	1 037	55.3	7.6	91.0	70.6
2002	1 324	1 026	56.8	7.6	93.2	73.3
2003	1 335	1 035	57.2	7.7	95.6	74.6
2004	1 342	1 063	58.1	7.7	96.6	77.4
2005	1 348	1 089	59.1	7.9	99.1	79.8
2006	1 359	1 092	60.7	8.2	101.3	81.8
2007	1 358	1 087	61.9	8.3	100.2	86.2
2008	1 372	1 081	61.7	8.2	104.0	89.8
2009	1 382	1 071	61.8	8.1	106.1	91.2

na Not available.

Sources: UN FAO, UN FAOSTAT Agriculture Database, Rome.

Meat – general

159 Summary of US meat statistics

	Unit	2002	2003	2004	2005	2006	2007	2008	2009
Cattle numbers a	million	96.7	96.1	94.4	95.0	96.3	96.6	96.0	94.5
Beef and veal b									
Production c	kt	12 427	12 039	11 261	11 318	11 980	12 097	12 163	11 891
Imports	kt	1 459	1 363	1 669	1 632	1 399	1 384	1 151	1 191
Exports and shipments	kt	1 110	1 142	209	316	519	650	856	878
Total consumption	kt	12 737	12 340	12 667	12 664	12 833	12 830	12 452	12 239
Consumption per person	kg	44.3	42.5	43.2	42.8	43.0	42.6	41.0	39.8
Pork b									
Production c	kt	8 929	9 056	9 313	9 392	9 559	9 962	10 599	10 442
Imports	kt	486	538	499	464	449	439	377	na
Exports and shipments	kt	731	779	989	1 209	1 359	1 425	2 117	na
Total consumption	kt	8 684	8 817	8 817	8 660	8 643	8 965	8 806	na
Consumption per person	kg	30.2	30.4	30.1	29.3	29.0	29.8	29.0	na
Poultry d									
Production c	kt	18 473	18 334	17 727	17 225	17 024	16 523	16 122	18 547
Exports and shipments	kt	2 380	2 451	2 371	2 618	2 609	2 926	3 464	na
Total consumption	kt	14 585	14 846	15 353	15 676	15 966	15 982	15 858	na
Consumption per person	kg	50.7	51.2	52.4	53.0	53.5	53.0	52.2	na

a At 1 January. b Carcass weight equivalent. c Refers to commercial production, which excludes farm slaughter. d Retail weight equivalent.

Sources: US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC.

160 Summary of New Zealand meat statistics a

	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Livestock numbers b									
Cattle	million	9.7	9.7	9.6	9.5	9.6	9.7	9.8	9.9
- dairy cattle	million	5.2	5.1	5.2	5.1	5.2	5.3	5.6	5.8
- beef cattle	million	4.5	4.6	4.4	4.4	4.4	4.4	4.3	4.1
Sheep	million	39.6	39.6	39.3	39.9	40.1	39.6	34.1	32.4
Production c									
Beef and veal	kt	591.5	576.2	660.2	709.6	661.0	648.0	607.0	634.5
Lamb	kt	433.5	413.9	433.5	411.3	436.4	448.4	437.4	397.9
Mutton	kt	107.2	112.9	107.0	107.0	103.7	120.5	151.7	101.9
Exports of meat d									
Beef and veal	kt	324.8	373.5	422.5	391.3	373.0	352.4	363.9	362.1
Lamb	kt	289.2	296.2	293.2	300.0	311.5	331.1	328.9	305.2
Mutton	kt	52.4	57.5	58.4	60.4	56.9	69.5	95.9	66.6
Consumption per person e									
Beef and veal	kg	26.4	30.0	31.9	29.2	26.3	29.6	28.8	28.0
Lamb	kg	10.3	10.0	9.4	10.0	na	10.7	8.5	8.5
Mutton	kg	5.5	4.4	3.5	3.0	na	3.0	2.9	2.9

a October-September year. b At 30 June of second year shown. c Carcass weight. d Shipped weight. e Excludes meat withdrawn from export stocks for local consumption. na Not available.

Sources: Meat and Wool New Zealand, *Annual Report*, Wellington; Meat and Wool New Zealand, *Economic Service*, Wellington.

161 Gross value of Australian livestock slaughterings

	2004-05 \$m	2005-06 \$m	2006-07 \$m	2007-08 \$m	2008-09 \$m	2009-10 s \$m
Livestock slaughterings						
Cattle and calves a	7 454.7	7 327.1	7 550.5	6 902.5	7 123.3	6 981.0
Cattle exported live b	374.1	357.8	437.4	450.5	558.7	601.2
Sheep c	417.8	443.6	380.0	400.1	427.8	546.4
Lambs cd	1 327.0	1 377.6	1 387.2	1 481.4	1 725.3	1 960.4
Sheep exported live b	206.7	291.5	288.7	286.4	339.1	296.8
Pigs	906.0	890.1	943.6	901.7	894.7	873.3
Poultry	1 303.7	1 222.7	1 294.1	1 636.7	1 861.5	1 741.8
Total	12 032.7	11 959.9	12 334.8	12 103.4	12 982.5	13 052.4

a Includes dairy cattle slaughtered. b Excludes animals for breeding. c Excludes skin values. d 18–20 kilograms dressed weight. s ABARES estimate.

Note: The gross value of production is the value placed on recorded production at the wholesale prices realised in the market place. The point of measurement can vary between commodities. Generally the market place is the metropolitan market in each state and territory. However, where commodities are consumed locally or where they become raw material for a secondary industry, these points are presumed to be the market place. Prices used in these calculations do not include the GST.

Sources: ABS; ABARES.

Meat – beef and veal

162 Australian supply and use of beef and veal

	Slaughterings ^a '000	Average weight ^b kg	Production ^b kt	Exports ^{bc} kt	Apparent consumption ^b kt
1965	6 564	154	1 013	na	na
1966	6 231	152	946	na	na
1967	5 597	155	869	na	na
1968	5 508	165	907	na	na
1969	5 788	164	952	na	na
1970	5 727	176	1 011	510	na
1971	6 093	173	1 054	574	na
1972	7 491	159	1 192	780	na
1973	8 443	172	1 453	920	na
1974	6 988	184	1 282	530	na
1975	9 596	171	1 638	777	na
1976	11 434	166	1 899	905	917
1977	12 791	169	2 158	1 138	986
1978	12 345	173	2 131	1 199	937
1979	9 839	180	1 770	1 096	728
1980	8 833	174	1 534	883	663
1981	8 099	176	1 422	711	716
1982	9 460	177	1 678	942	754
1983	8 118	174	1 414	767	655
1984	6 824	186	1 272	581	695
1985	7 151	187	1 338	690	637
1986	7 883	188	1 481	809	668
1987	8 048	194	1 564	908	654
1988	7 723	201	1 551	868	688
1989	7 483	210	1 573	850	731
1990	8 253	211	1 738	1 052	688
1991	8 427	208	1 749	1 068	687
1992	8 731	210	1 834	1 183	653
1993	8 343	217	1 814	1 158	656
1994	8 366	221	1 845	1 160	696
1995	7 906	217	1 719	1 092	636
1996	7 968	218	1 734	1 016	723
1997	9 148	212	1 939	1 175	768
1998	9 308	213	1 987	1 268	721
1999	8 756	227	1 991	1 272	721
2000	8 734	235	2 053	1 329	726
2001	8 764	237	2 079	1 407	674
2002	9 050	231	2 090	1 362	729
2003	8 906	224	1 998	1 246	754
2004	8 803	240	2 113	1 357	762
2005	8 466	247	2 090	1 343	755
2006	8 854	247	2 188	1 408	786
2007	8 960	243	2 180	1 387	797
2008	8 771	246	2 161	1 411	752
2009	8 491	250	2 122	1 370	756

^a Includes calves. Excludes on-farm slaughter from July 2007. ^b Carcass weight. ^c Includes canned and miscellaneous product. na Not available.

Sources: ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra; ABARES.

163 Australian cattle numbers, by state and territory ^a

	New South Wales '000	Victoria '000	Queensland '000	South Australia '000	Western Australia '000	Tasmania '000	Northern Territory '000	Australian Capital Territory '000	Australia '000
Adult female beef cattle									
2000	2 801	1 134	5 667	480	1 086	194	913	6	12 282
2001	2 849	1 138	5 304	516	1 013	201	981	6	12 007
2002	2 852	1 158	5 762	594	1 013	199	1 069	6	12 652
2003	2 809	1 240	5 380	590	981	219	1 023	5	12 245
2004	2 873	1 185	5 638	568	1 049	233	1 019	5	12 570
2005	2 879	1 276	5 979	645	1 117	243	1 089	5	13 234
2006	2 997	1 272	5 745	591	1 199	228	1 160	5	13 197
2007	2 883	1 218	5 589	527	1 144	223	1 211	6	12 800
2008	3 035	1 238	6 163	574	1 320	228	1 059	4	13 620
2009	3 039	2 115	5 738	678	1 117	340	1 060	4	14 092
2010	2 800	1 030	5 916	540	1 238	222	1 179	7	12 933
Total beef cattle and calves									
2000	5 531	2 371	11 503	995	2 059	411	1 570	10	24 448
2001	5 786	2 435	11 088	1 050	2 001	426	1 707	11	24 504
2002	5 593	2 463	11 284	1 201	1 980	432	1 777	10	24 739
2003	5 419	2 491	10 507	1 209	1 815	482	1 683	8	23 615
2004	5 416	2 390	11 245	1 164	1 962	496	1 730	8	24 410
2005	5 464	2 601	11 655	1 253	2 060	510	1 771	9	25 323
2006	5 862	2 646	11 354	1 161	2 275	501	1 798	9	25 605
2007	5 609	2 575	11 495	1 067	2 223	481	1 912	11	25 373
2008	5 330	2 254	11 731	966	2 013	444	2 041	6	24 784
2009	5 437	2 188	11 606	1 082	1 997	404	1 738	6	25 294
2010	5 128	2 111	11 324	988	2 310	456	1 923	11	24 251
Total dairy cattle and calves									
2000	440	1 893	305	189	106	206	1	0	3 140
2001	428	1 971	288	192	126	210	0	0	3 217
2002	428	1 949	260	180	124	187	0	0	3 131
2003	398	1 896	233	191	130	200	0	0	3 049
2004	400	1 890	255	188	133	189	0	0	3 055
2005	373	1 843	207	150	109	179	0	0	2 860
2006	349	1 758	194	168	116	203	0	0	2 788
2007	326	1 668	189	176	104	201	0	0	2 663
2008	321	1 583	174	160	101	198	0	0	2 537
2009	313	1 594	154	170	92	225	0	0	2 612
2010	339	1 553	157	136	113	183	0	0	2 482
Total cattle and calves									
2000	5 970	4 264	11 808	1 184	2 165	617	1 571	10	27 588
2001	6 215	4 405	11 376	1 242	2 128	636	1 707	11	27 722
2002	6 021	4 412	11 544	1 381	2 104	619	1 777	10	27 870
2003	5 817	4 388	10 740	1 401	1 945	682	1 683	8	26 664
2004	5 816	4 281	11 500	1 352	2 095	684	1 730	8	27 465
2005	5 837	4 444	11 862	1 403	2 169	689	1 771	9	28 183
2006	6 211	4 403	11 548	1 329	2 391	704	1 798	9	28 393
2007	5 935	4 243	11 684	1 242	2 327	682	1 912	11	28 037
2008	5 824	3 885	12 181	1 202	2 241	636	1 824	6	27 321
2009	5 750	3 782	11 760	1 252	2 089	629	1 738	6	27 907
2010	5 467	3 664	11 481	1 124	2 423	639	1 923	11	26 733

^a At 31 March, an establishment with an estimated value of agricultural operations (EVAO) of \$5000 or more. From 2000, at 30 June. House cows are excluded.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABARES.

Meat – beef and veal

164 Volume of Australian exports of beef, veal and live cattle, by destination

	Unit	2002	2003	2004	2005	2006	2007	2008	2009
Beef and veal a									
Americas									
Canada	kt	82.9	29.0	7.5	7.6	9.6	12.3	8.5	12.3
United States	kt	385.9	367.9	347.2	317.5	295.2	296.1	234.8	251.1
Asia									
Chinese Taipei	kt	34.4	31.1	26.5	30.3	28.6	29.1	27.1	31.3
Hong Kong, China	kt	2.9	2.1	2.4	1.8	1.8	2.4	3.2	7.5
Indonesia	kt	14.6	13.0	7.1	8.8	12.2	26.8	33.0	51.8
Japan	kt	237.0	279.3	393.5	405.1	405.8	377.9	364.3	356.6
Korea, Rep. of	kt	80.2	62.3	93.3	106.4	149.6	148.9	127.2	115.5
Malaysia	kt	7.4	6.5	4.8	2.3	2.0	3.3	6.2	8.0
Philippines	kt	12.9	8.6	2.1	3.0	1.9	3.4	14.1	17.0
Singapore	kt	3.9	3.7	2.1	1.9	3.2	5.5	8.1	7.5
Europe									
European Union b	kt	6.5	5.5	6.7	6.5	8.5	6.0	11.9	9.2
CIS	kt	1.4	0.3	0.4	0.5	12.5	5.1	72.2	14.7
Eastern Europe	kt	3.0	1.4	0.4	0.1	0.0	0.0	0.8	0.5
Middle East									
Kuwait	kt	0.4	2.5	0.7	0.2	0.2	0.5	1.1	1.5
Saudi Arabia	kt	2.3	1.8	0.7	0.3	1.0	0.9	3.7	3.0
United Arab Emirates	kt	1.7	1.1	1.2	1.3	1.4	1.8	4.3	4.4
Oceania									
New Zealand	kt	6.8	3.5	2.3	2.0	1.7	1.6	2.2	1.6
Pacific Isles	kt	2.7	2.1	1.7	1.5	2.0	3.3	3.5	3.4
Papua New Guinea	kt	4.3	2.3	2.5	2.2	2.7	3.6	4.7	4.3
Total beef and veal	kt	920.4	840.9	913.8	909.4	953.9	941.4	957.5	927.3
Live cattle									
Slaughter cattle									
Asia									
Indonesia	'000	426.2	375.8	357.1	348.0	386.6	517.0	644.6	771.1
Japan	'000	14.0	21.9	17.1	24.5	20.2	21.1	19.8	16.0
Malaysia	'000	90.9	86.5	47.4	38.1	56.5	33.6	18.4	12.7
Philippines	'000	113.1	74.5	46.7	20.9	13.1	20.3	10.8	12.4
Middle East									
Egypt	'000	143.9	7.6	0.0	7.0	0.0	0.0	0.0	0.0
Israel	'000	47.8	43.2	20.9	32.0	79.4	36.9	51.7	36.9
Jordan	'000	4.4	23.1	34.2	17.0	5.9	4.0	0.8	27.6
Saudi Arabia	'000	54.3	15.7	0.0	17.5	27.6	13.5	16.6	16.4
Total	'000	955.0	689.4	570.9	531.1	609.2	668.8	815.6	921.3
Breeding cattle									
Total live cattle	'000	971.9	774.2	637.7	572.8	634.3	719.5	868.5	954.1

a Fresh, chilled or frozen, in shipped weight. b Regarded as 15 countries to May 2004, 25 countries from June 2004, then 27 countries from January 2007.

Sources: Department of Agriculture, Fisheries and Forestry, *Export Statistics, Livestock Exports*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

165 Value of Australian exports of beef and veal, and live cattle (fob)

	2002 \$m	2003 \$m	2004 \$m	2005 \$m	2006 \$m	2007 \$m	2008 \$m	2009 \$m
Beef and veal								
Americas								
Canada	320.2	110.9	38.1	32.6	43.8	51.2	43.7	48.2
United States	1 593.6	1 332.3	1 374.4	1 186.4	1 180.7	1 136.3	1 039.2	966.4
Asia								
Chinese Taipei	152.3	126.7	124.2	148.3	134.6	117.4	123.8	136.1
Hong Kong, China	17.1	15.0	27.3	18.7	13.5	21.5	20.6	42.8
Indonesia	46.1	38.4	26.7	33.5	39.0	83.3	113.1	173.8
Japan	1 237.7	1 384.4	2 189.9	2 244.7	2 172.1	1 844.0	2 009.2	1 810.9
Korea, Rep. of	320.4	250.7	434.4	494.8	734.7	725.6	636.3	479.2
Malaysia	20.2	15.9	12.1	7.8	10.0	17.1	29.7	32.4
Philippines	36.1	23.0	4.3	5.9	3.7	7.2	46.4	46.0
Singapore	20.8	22.5	17.3	15.5	19.2	29.7	39.1	39.4
Europe								
European Union ^a	50.8	47.7	62.5	56.6	77.2	61.6	117.0	87.1
CIS	2.9	0.7	2.0	4.6	61.0	32.2	293.3	65.4
Eastern Europe	9.2	4.5	1.2	0.4	0.0	0.1	3.2	1.7
Middle East								
Kuwait	1.8	9.8	3.4	1.0	0.9	2.3	5.0	5.8
Saudi Arabia	11.6	7.8	3.1	1.7	4.5	3.0	14.0	10.7
United Arab Emirates	10.9	7.8	12.0	13.7	15.6	20.4	35.3	34.9
Oceania								
New Zealand	25.6	15.9	9.8	8.8	8.0	7.8	10.6	7.0
Pacific Isles	7.4	5.4	4.5	4.0	6.3	10.0	10.8	10.3
Papua New Guinea	9.8	4.9	5.2	4.3	5.8	7.6	12.0	11.2
Total beef and veal	4 002.6	3 475.4	4 390.3	4 346.6	4 604.0	4 258.1	4 782.7	4 144.4
Live cattle ^b								
Asia								
Indonesia	254.4	203.4	207.5	209.1	246.9	341.4	409.5	476.0
Japan	11.2	18.1	14.6	20.5	17.3	18.4	17.4	13.8
Malaysia	45.1	38.9	25.2	20.1	31.3	19.6	13.9	8.9
Philippines	65.8	39.1	30.1	11.6	7.7	14.0	7.5	7.0
Middle East								
Egypt	94.9	5.0	0.0	3.8	0.0	0.0	0.0	0.0
Israel	23.9	22.8	11.9	20.6	58.2	23.2	30.2	20.7
Jordan	2.4	12.9	15.3	10.2	4.3	2.1	0.5	14.6
Libya	0.0	0.0	0.0	0.0	0.0	4.5	19.3	0.0
Saudi Arabia	32.5	9.4	0.0	11.0	19.3	7.8	9.0	9.8
Total live cattle	583.6	382.7	359.4	337.1	407.9	443.6	526.4	589.7

^a Regarded as 15 countries to May 2004, 25 countries from June 2004, then 27 countries from January 2007. ^b Excludes animals for breeding.

Sources: Department of Agriculture, Fisheries and Forestry, *Export Statistics, Livestock Exports*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

Meat – beef and veal

166 World cattle numbers, by country ^a

	2002 million	2003 million	2004 million	2005 million	2006 million	2007 million	2008 million	2009 million
Argentina	48.1	50.9	50.8	50.2	54.3	55.7	55.7	54.3
Australia ^b	27.9	26.7	27.5	28.2	28.4	28.0	27.3	27.9
Brazil	185.3	195.6	204.5	207.2	172.1	173.8	175.4	179.5
Canada	13.8	13.5	14.6	14.9	14.7	14.2	13.9	13.2
China ^c	105.7	108.3	112.5	115.6	109.9	104.7	105.9	105.8
European Union ^d	94.2	92.8	91.9	90.9	89.7	88.5	89.0	88.8
Japan	4.6	4.5	4.5	4.4	4.4	4.4	4.4	4.4
New Zealand	9.7	9.7	9.6	9.5	9.6	9.7	9.8	9.9
Russian Federation	27.1	26.5	24.9	23.0	19.9	19.0	18.4	17.9
South Africa	13.6	13.5	13.5	13.8	13.8	13.9	14.1	14.2
Ukraine	9.4	9.1	7.7	6.9	6.5	6.2	5.5	5.1
United States	96.7	96.1	94.4	95.0	96.3	96.6	96.0	94.5
Uruguay	11.3	11.7	12.0	12.0	12.3	11.9	11.9	12.0
World	1 323.6	1 334.5	1 342.0	1 348.2	1 359.3	1 357.8	1 372.4	1 382.2

^a As close as possible to 1 January. Includes dairy cattle. ^b Includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5000 or more. ^c Excludes Hong Kong. ^d Regarded as 27 countries.

Sources: ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra; UN FAO, FAOSTAT Agriculture Database, Rome; Meat and Wool Economic Service of New Zealand, Annual Review of the New Zealand Sheep and Beef Industry, Wellington; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC; US Department of Agriculture, Livestock and Poultry: World Markets and Trade, Foreign Agricultural Service Circular, Washington DC.

167 World beef and veal production, by country ^a

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Argentina	2 700	2 800	3 130	3 200	3 100	3 300	3 150	3 400
Australia	2 090	1 998	2 113	2 090	2 188	2 180	2 161	2 122
Brazil	7 240	7 385	7 975	8 592	9 025	9 303	9 024	8 935
Canada	1 294	1 184	1 496	1 470	1 329	1 278	1 288	1 245
China ^b	5 219	5 425	5 604	5 681	5 767	6 134	6 132	5 764
European Union ^c	8 397	8 304	8 245	8 090	8 150	8 188	8 090	8 000
Japan	537	496	514	500	497	504	520	517
Mexico	1 725	1 950	1 900	1 725	1 550	1 600	1 667	1 700
New Zealand	576	660	710	661	648	607	635	624
Russian Federation	1 740	1 670	1 590	1 525	1 430	1 370	1 315	1 285
South Africa	645	613	655	679	725	680	678	684
United States	12 427	12 039	11 261	11 318	11 980	12 097	12 163	11 891
Uruguay	425	450	544	600	640	560	535	544
World	56 816	57 210	58 085	59 132	60 687	61 865	61 670	61 838

^a Carcass weight equivalent. ^b Excludes Hong Kong. ^c Regarded as 25 countries.

Sources: ABS, Livestock Products, Australia, cat. no. 7215.0, Canberra; UN FAO, UNFAOSTAT Agriculture Database, Rome; Meat and Wool Economic Service of New Zealand, Annual Review of the New Zealand Sheep and Beef Industry, Wellington; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC; US Department of Agriculture, Livestock and Poultry: World Markets and Trade, Foreign Agricultural Service Circular, Washington DC.

168 Volume of trade in beef and veal, by selected countries ^a

	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Exports									
Argentina	168	345	382	616	754	552	534	422	653
Australia	1 407	1 362	1 246	1 357	1 343	1 408	1 387	1 411	1 370
Brazil	741	872	1 162	1 610	1 845	2 084	2 189	1 801	1 596
Canada	619	657	413	603	596	477	457	494	480
China ^b	53	37	36	52	76	85	81	58	38
European Union ^c	610	580	438	363	253	218	140	204	148
India	365	411	432	492	617	681	678	672	590
New Zealand	483	475	548	594	577	530	496	533	514
United States	1 029	1 110	1 142	209	316	519	650	856	878
Uruguay	145	225	282	354	417	460	385	361	370
Total	5 851	6 431	6 485	6 647	7 314	7 502	7 570	7 489	7 267
Imports									
Brazil	44	77	62	52	48	28	30	29	35
Canada	330	340	304	123	151	180	242	230	247
Chinese Taipei	80	91	101	82	95	104	102	103	112
Egypt	147	178	127	173	222	292	293	166	180
European Union ^c	417	532	549	641	711	717	642	466	495
Japan	982	697	833	634	686	678	686	659	697
Korea, Rep. of	253	442	457	224	250	298	308	295	315
Russian Federation	639	708	709	719	978	939	1 030	1 137	895
United States	1 435	1 459	1 363	1 669	1 632	1 399	1 384	1 151	1 191
Total	5 706	6 148	6 221	6 169	6 800	6 815	7 160	6 870	6 616

^a Carcass weight. ^b Excludes Hong Kong. ^c Excludes intra-EU trade. Regarded as 27 countries. ^{na} Not available.

Sources: US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra.

Meat – beef and veal

169 Summary of Japanese beef and veal statistics

	Unit	2002	2003	2004	2005	2006	2007	2008	2009
Cattle numbers ^a									
Beef ^b	'000	2 838	2 805	2 788	2 747	2 755	2 755	2 806	2 890
Dairy ^c	'000	1 726	1 719	1 690	1 655	1 636	1 635	1 592	1 533
Total	'000	4 564	4 524	4 478	4 402	4 391	4 390	4 398	4 423
Cattle slaughterings									
Wagyu	'000	495.7	527.0	461.2	464.1	462.9	449.1	452.6	473.2
Dairy	'000	594.9	722.2	726.3	773.2	739.1	731.1	738.8	729.0
Calves	'000	5.4	4.8	7.8	10.1	9.3	7.2	8.9	11.5
Total	'000	1 103.5	1 262.8	1 201.7	1 255.7	1 220.9	1 206.0	1 222.7	1 235.9
Production ^d									
Wagyu beef	kt	205.5	217.1	188.4	190.9	192.5	190.9	194.6	204.0
Dairy beef	kt	247.9	313.6	300.5	313.7	297.8	296.8	298.5	304.6
Veal	kt	0.6	0.6	1.0	1.1	1.0	0.8	0.9	1.2
Total	kt	458.0	536.0	495.0	512.5	498.4	496.2	503.0	518.9
Imports									
Fresh or chilled beef and veal ^e									
Australia	kt	188.3	138.3	150.9	203.6	222.9	208.2	188.1	159.1
Canada	kt	5.9	3.9	2.3	0.0	0.0	1.7	2.2	2.0
New Zealand	kt	3.7	2.6	2.8	3.7	4.5	5.6	6.2	5.8
United States	kt	132.4	89.5	114.1	0.0	0.0	5.1	17.8	31.1
Other	kt	0.0	0.0	0.0	0.6	2.5	2.5	1.7	1.4
Total	kt	330.4	234.3	270.1	208.0	230.0	223.1	216.0	199.5
Frozen beef and veal ^e									
Australia	kt	135.2	92.1	132.7	190.5	188.5	197.4	205.7	199.1
Canada	kt	16.7	15.1	5.2	0.0	0.0	0.4	1.2	2.7
New Zealand	kt	12.7	7.7	14.2	29.8	33.4	32.3	27.5	25.0
United States	kt	178.6	137.0	153.2	1.3	0.0	2.2	16.3	23.0
Other	kt	0.6	0.3	0.6	2.3	8.0	5.2	6.9	8.8
Total	kt	343.7	252.4	305.9	223.8	229.9	237.5	257.6	258.5
Total beef and veal ^{ef}									
Australia	kt	323.5	230.4	283.7	394.1	411.3	405.6	394.0	358.7
Canada	kt	22.6	19.1	7.5	0.0	0.0	2.1	3.4	3.9
New Zealand	kt	16.4	10.3	17.0	33.5	37.9	37.9	33.7	30.8
United States	kt	311.0	226.5	267.3	1.3	0.0	7.3	34.1	54.1
Other	kt	0.6	0.4	0.6	2.9	10.6	7.7	8.7	10.3
Total	kt	674.1	486.7	576.0	431.7	459.9	460.6	474.0	458.6
Prices									
Wagyu steer ^g	¥/kg	1 561	1 462	1 848	2 002	2 074	2 079	1 984	1 746
Dairy steer ^h	¥/kg	698	482	689	857	898	915	808	816

^a At 1 February. ^b Includes dairy steers. ^c Cows only. ^d Carcass weight. ^e Product weight. ^f Total includes cheek meat, head meat and cooked meat.

^g Prices for an average of A3–A4 type steers at Tokyo Central Wholesale Meat Market. ^h Prices for an average of B2–B3 type steers at Tokyo Central Wholesale Meat Market.

Sources: Japanese Ministry of Agriculture, Forestry and Fisheries, *Meat Statistics in Japan*, Tokyo; Agriculture and Livestock Industries Corporation, *Monthly Statistics*, Tokyo.

170 Summary of Korean beef and veal statistics

	Native cattle numbers a	Consumption						
		Imported beef and veal b		Total beef and veal b		Average prices		
		'000	kt	'000	kt	Farm c	Wholesale d	Retail e
1970	1 284	na		0.0	37.3	0	na	658
1971	1 247	na		0.0	39.5	0	na	883
1972	1 333	na		0.3	40.2	0	na	1 013
1973	1 486	na		0.1	44.9	0	na	1 097
1974	1 778	na		0.0	51.5	0	na	1 315
1975	1 546	71.0		0.0	70.3	na	1 127	1 487
1976	1 451	103.0		1.0	75.5	na	1 707	2 123
1977	1 492	106.0		6.6	81.6	1 307	2 371	2 758
1978	1 624	102.0		2.2	114.7	1 712	2 729	3 460
1979	1 563	118.0		6.2	113.8	1 671	2 818	3 858
1980	1 390	127.0		10.6	100.0	1 963	3 577	4 820
1981	1 283	94.0		3.7	93.2	2 903	4 834	6 464
1982	1 526	83.0		4.5	106.5	3 539	5 437	7 432
1983	1 940	90.0		1.0	115.5	3 801	5 927	8 236
1984	2 318	122.0		1.8	106.6	3 577	5 723	8 316
1985	2 533	161.0		8.3	120.3	2 763	4 384	7 054
1986	2 370	208.0		3.6	147.9	2 487	3 875	6 234
1987	1 923	206.0		0.0	151.9	2 536	3 904	6 396
1988	1 589	175.0		14.2	141.5	3 511	5 500	8 276
1989	1 536	124.0		57.1	143.3	4 335	6 243	10 426
1990	1 622	131.0		81.9	177.0	4 811	6 629	11 450
1991	1 773	136.0		129.0	223.3	5 480	7 328	12 884
1992	2 019	137.0		127.3	226.9	6 007	7 634	14 170
1993	2 260	176.0		103.4	233.0	5 385	6 811	14 790
1994	2 393	200.0		122.5	269.8	5 835	7 244	15 438
1995	2 594	214.0		146.5	301.2	6 346	7 914	16 186
1996	2 844	236.0		149.2	322.9	5 696	6 971	16 236
1997	2 735	310.0		134.2	362.0	4 852	5 618	15 074
1998	2 383	348.0		87.1	345.5	4 014	5 438	13 822
1999	1 952	305.0		197.5	392.7	4 976	7 028	14 470
2000	1 590	278.0		237.8	402.4	5 504	7 414	17 418
2001	1 406	221.0		166.0	384.1	6 490	8 842	19 234
2002	1 410	192.0		292.0	402.7	7 853	9 127	29 478
2003	1 480	182.0		293.7	390.2	7 813	9 446	31 300
2004	1 666	186.0		132.9	327.8	7 093	8 703	30 448
2005	1 819	195.0		142.6	316.9	7 752	10 898	37 274
2006	2 020	200.0		179.4	330.6	7 085	10 915	33 874
2007	2 201	219.0		202.8	368.7	7 918	11 509	31 176
2008	2 430	246.0		224.1	365.1	6 492	11 035	28 118
2009	na	267.0		na	na	na	na	na

a At 1 December. b Boneless weight. c Korean native cattle, 400 kilograms. From 1995, 500 kilograms, male. d Beef (carcass). e Beef (boneless), all cities. na Not available.

Sources: Republic of Korea National Livestock Co-operatives Federation, Materials on Price, Demand and Supply of Livestock Products, Seoul; Korean Meat Trade Association; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

Meat – pigs and poultry

171 Australian supply and use of pig and poultry meats

	Unit	2001	2002	2003	2004	2005	2006	2007	2008	2009
Pig meat										
Pig numbers a	'000	2 748	2 940	2 658	2 548	2 538	2 733	2 605	2 412	2 302
Breeding sows and gilts a	'000	332	356	352	318	348	352	340	313	278
Slaughterings b	'000	5 172	5 603	5 723	5 440	5 372	5 320	5 350	4 842	4 530
Average slaughter weight c	kg	73.2	72.7	73.2	72.6	72.7	71.9	72.2	71.9	71.9
Production c	kt	378.5	407.3	418.9	394.8	390.3	382.7	386.1	348.0	325.6
Imports cd	kt	65.2	92.6	112.0	127.1	162.3	169.0	218.4	234.5	272.3
Exports cd	kt	77.3	91.5	88.3	70.4	64.7	67.2	60.8	55.3	45.4
Total consumption ce	kt	366.5	408.4	442.6	451.6	488.0	484.4	543.7	527.2	552.5
Consumption per person cd	kg	18.8	20.7	22.1	22.3	23.8	23.4	25.9	24.7	24.9
Poultry meat f										
Slaughterings	million	397.2	428.2	418.3	435.6	432.9	444.8	458.6	462.8	468.7
Average dressed weight c	kg	1.7	1.7	1.7	1.7	1.9	1.9	1.9	1.8	1.8
Production c	kt	662.0	736.6	719.3	758.5	802.7	840.1	855.9	838.9	865.0
Exports c	kt	30.7	28.1	27.1	24.6	29.0	26.8	37.3	40.3	40.7
Total consumption e	kt	631.3	708.5	692.2	733.9	773.7	813.3	818.5	798.6	824.4
Consumption per person	kg	32.3	35.8	34.6	36.2	37.7	39.3	38.9	37.4	37.2

a Livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5000. **b** Excludes on-farm slaughter from July 2007.

c Carcass weight. **d** Includes preserved pig meat. **e** Apparent consumption. **f** Includes chicken, turkey and duck.

Sources: ABS, *Apparent Consumption of Foodstuffs*, cat. no. 4306.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABARES.

172 Australian pig numbers, by state and territory **a**

	New South Wales '000	Victoria '000	Queensland '000	Western Australia '000	South Australia '000	Tasmania '000	Northern Territory '000	Australian Capital Territory '000	Australia '000
1995	791	439	644	316	423	38	3	na	2 653
1996	710	458	603	314	412	26	0	na	2 526
1997	729	485	600	297	417	24	2	na	2 555
1998	849	518	648	303	424	24	2	na	2 768
1999	778	521	621	277	406	22	2	na	2 626
2000	710	523	544	276	438	18	2	na	2 511
2001	845	557	597	286	438	22	2	na	2 748
2002	833	673	643	361	410	18	3	na	2 940
2003	729	555	663	381	309	19	3	0	2 658
2004	624	547	691	291	378	14	3	na	2 548
2005	732	524	666	266	335	12	2	na	2 538
2006	655	668	691	296	403	17	2	na	2 733
2007	741	463	695	326	360	19	0	na	2 605
2008	770	394	610	262	363	12	0	na	2 412
2009	649	414	596	390	236	16	0	0	2 302
2010	603	516	557	224	389	11	0	0	2 301 s

a At 31 March. From 2000, at 30 June. Livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5000 or more.

s ABARES estimate. **na** Not available.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABARES.

173 World pig and poultry meat production in selected countries ^a

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Pig meat								
Australia	407	419	395	390	383	386	348	326
Canada	1 709	1 730	1 780	1 765	1 748	1 746	1 786	1 789
China ^b	41 231	42 386	43 410	45 553	46 505	42 878	46 205	48 905
Denmark	1 759	1 762	1 810	1 793	1 749	1 802	1 707	1 583
France	2 346	2 339	2 293	2 018	2 263	2 281	2 277	2 004
Germany	4 110	4 239	4 323	4 500	4 662	4 985	5 114	5 254
Netherlands	1 377	1 253	1 289	1 297	1 265	1 290	1 318	1 275
Russian Federation	1 630	1 710	1 725	1 735	1 805	1 910	2 060	2 205
United States	8 929	9 056	9 313	9 392	9 559	9 962	10 599	10 442
Poultry meat								
Australia	737	719	758	803	840	856	839	865
Brazil	9 708	9 710	8 723	7 917	7 669	6 732	6 117	11 417
Canada	1 134	1 132	1 091	1 077	1 079	1 076	1 029	na
China ^b	10 354	10 204	10 002	9 902	9 562	9 283	9 274	12 105
France	2 104	2 014	1 975	1 696	1 557	1 716	1 706	1 670
Italy	1 173	952	1 001	1 013	919	1 029	1 116	1 143
Japan	1 258	1 166	1 124	1 127	1 107	1 074	1 091	na
Russian Federation	1 199	917	665	572	509	437	387	na
Thailand	1 100	950	900	1 340	1 275	1 230	1 070	na
United States	18 473	18 334	17 727	17 225	17 024	16 523	16 122	18 547

^a Carcass weight equivalent. ^b Excludes Hong Kong. na Not available.

Sources: ABS, *Livestock Products, Australia*, cat.no. 7215.0, Canberra; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington, DC; Meat and Livestock Commission, *European Handbook*, Milton Keynes, UK. European Commission, Eurostat, Luxembourg.

174 Volume of world pig meat trade for selected countries ^a

	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Exports ^b									
Australia	77	92	88	70	65	67	61	55	45
Canada	728	864	975	972	1 084	1 081	1 033	1 129	1 123
China ^c	223	307	397	537	502	544	350	223	232
European Union ^d	970	993	1 140	1 302	1 143	1 285	1 286	1 727	1 415
United States	698	731	779	989	1 209	1 359	1 425	2 117	1 857
Imports ^b									
Australia	65	93	112	127	162	169	218	234	272
Hong Kong, China	224	237	260	285	263	277	302	346	369
Japan	1 022	1 108	1 091	1 269	1 314	1 154	1 210	1 267	1 138
European Union ^d	32	31	44	53	99	125	34	56	38
United States	431	486	538	499	464	449	439	377	378

^a Carcass weight equivalent. ^b Excludes intra-EU trade. ^c Excludes Hong Kong. ^d Regarded as 27 countries.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC.

175 Australian supply and use of mutton and lamb

	Slaughterings ^a '000	Average weight ^b kg	Production ^b kt	Exports ^{bc} kt	Apparent Consumption ^b kt
Mutton					
1987	15 314	19.7	302.4	164.6	131.7
1988	13 130	19.9	261.3	153.0	111.8
1989	13 698	20.6	282.6	149.3	131.9
1990	17 254	20.7	358.0	212.8	122.6
1991	18 750	21.0	394.6	262.5	146.5
1992	18 186	20.7	376.6	251.4	124.7
1993	18 047	21.5	387.9	234.4	149.4
1994	17 991	20.9	375.3	242.3	154.2
1995	15 228	20.5	312.1	208.6	101.4
1996	14 447	21.1	304.1	198.4	108.6
1997	15 552	20.5	319.6	209.2	113.1
1998	15 316	20.6	316.2	208.9	108.1
1999	14 723	21.0	309.8	209.4	94.0
2000	16 379	21.1	345.7	235.5	110.2
2001	15 789	20.6	325.5	226.6	98.9
2002	14 873	20.0	296.7	217.6	82.2
2003	10 522	20.3	213.7	150.4	63.7
2004	11 145	20.9	233.0	169.7	53.4
2005	11 636	20.7	241.1	180.0	61.1
2006	13 113	20.5	269.4	204.7	64.7
2007	11 661	21.0	245.2	189.0	56.2
2008	11 235	21.4	240.1	200.9	39.2
2009	9 411	21.2	199.8	170.9	28.9
Lamb					
1987	17 516	17.0	296.8	53.3	244.6
1988	16 675	17.4	289.9	47.2	244.1
1989	16 864	17.8	299.6	41.5	257.4
1990	16 549	17.5	289.0	43.5	243.8
1991	15 818	17.4	274.3	42.0	232.7
1992	15 595	17.6	274.7	45.5	230.5
1993	14 668	17.6	258.7	56.2	200.5
1994	15 718	17.9	281.3	64.5	220.1
1995	14 680	17.9	263.0	55.1	207.7
1996	14 069	18.5	260.8	62.6	197.2
1997	14 924	18.8	279.9	78.3	201.6
1998	15 659	19.2	300.8	88.1	212.2
1999	16 346	19.5	318.8	101.1	216.9
2000	18 507	19.9	368.2	125.2	243.0
2001	17 897	19.7	352.6	124.9	227.8
2002	17 086	19.8	337.6	116.1	221.6
2003	16 430	20.1	329.8	122.5	207.3
2004	16 675	20.4	340.2	131.3	208.9
2005	18 228	20.6	374.8	169.8	205.0
2006	19 483	20.5	399.8	175.9	223.8
2007	20 971	20.8	435.6	192.6	243.0
2008	19 970	20.4	406.6	179.3	227.3
2009	20 493	20.7	424.5	197.9	226.5

^a Excludes on-farm slaughter from July 2007. ^b Carcass weight. ^c Excludes canned and miscellaneous product.

Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra; ABARES.

176 Australian sheep numbers, by state and territory ^a

	New South Wales million	Victoria million	Queensland million	South Australia million	Western Australia million	Tasmania million	Australian Capital Territory million	Australia million
Total sheep and lambs								
1989	59.907	29.387	15.184	17.779	37.335	5.196	0.119	164.908
1990	62.946	30.643	17.014	18.748	38.674	5.618	0.130	173.776
1991	60.571	28.789	17.795	17.513	36.708	5.059	0.128	166.566
1992	54.231	26.081	15.338	16.445	34.289	4.499	0.112	150.995
1993	48.906	24.430	13.495	16.009	33.195	4.403	0.106	140.542
1994	46.531	23.439	11.548	14.679	31.951	4.324	0.097	132.569
1995	40.515	21.371	11.577	13.249	30.217	3.853	0.078	120.862
1996	41.091	21.974	10.706	13.575	29.834	3.862	0.073	121.116
1997	42.388	22.325	10.528	13.106	27.821	3.977	0.084	120.228
1998	40.821	21.122	10.992	13.136	27.476	3.869	0.076	117.491
1999	40.821	20.994	10.556	13.065	26.378	3.801	0.080	117.490
2000	40.583	22.664	10.556	13.065	26.109	3.801	0.080	115.380
2001	40.887	22.272	8.660	12.585	23.129	3.284	0.110	110.930
2002	38.491	21.350	6.752	13.043	23.063	3.380	0.088	106.170
2003	33.706	20.388	4.815	13.060	23.887	3.299	0.098	99.250
2004	35.227	19.978	4.824	12.917	25.063	3.183	0.095	101.290
2005	34.802	20.851	5.016	12.643	25.936	3.146	0.088	101.130
2006	32.146	17.908	4.466	11.331	22.129	2.963	0.084	91.030
2007	28.607	17.174	4.378	11.641	21.136	2.717	0.058	85.710
2008	26.378	16.765	3.960	9.983	17.654	2.137	0.061	76.938
2009	25.546	15.082	4.285	9.955	15.719	2.092	0.061	72.740
2010	23.872	14.389	3.637	9.089	14.654	2.020	0.051	67.712

^a At 31 March. From 2000, as at 30 June. Livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5000 or more. ^b Not available.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABARES.

Meat – sheep

177 Volume of Australian exports of sheep meat and live sheep, by destination

	Unit	2002	2003	2004	2005	2006	2007	2008	2009
Mutton ab									
Canada	kt	1.5	1.1	1.6	1.6	1.9	0.8	0.6	0.5
China	kt	3.4	1.3	1.7	3.3	3.3	4.5	7.9	12.6
Chinese Taipei	kt	14.7	10.2	13.1	11.3	9.4	7.9	7.8	8.0
CIS	kt	2.3	0.5	1.9	5.4	11.5	8.1	10.3	4.7
European Union c	kt	8.6	5.5	8.4	9.2	8.6	8.3	8.5	5.3
Japan	kt	10.4	6.6	9.0	8.3	7.0	6.9	6.9	5.8
Korea, Rep. of	kt	1.2	0.8	1.0	1.1	0.9	0.8	1.1	0.8
Malaysia	kt	7.1	5.2	6.6	5.9	7.7	6.4	7.1	7.3
Papua New Guinea	kt	5.5	4.6	5.9	3.9	3.2	4.3	4.4	5.1
Saudi Arabia	kt	24.5	22.5	19.5	22.7	23.9	23.2	20.6	21.5
Singapore	kt	6.6	6.2	6.4	5.6	6.0	5.9	6.2	7.1
South Africa	kt	15.7	9.3	12.6	15.0	19.9	15.3	13.5	4.9
United States	kt	20.9	20.1	14.6	16.1	18.8	16.5	13.4	10.9
Other	kt	50.5	30.3	36.9	38.9	45.2	46.1	52.2	45.5
Total	kt	172.7	124.1	139.2	148.4	167.1	155.0	160.5	140.0
Lamb a									
European Union c	kt	14.1	16.4	15.0	12.4	13.4	14.2	13.4	14.6
China	kt	6.3	6.1	9.5	13.6	12.3	16.4	16.4	16.2
Japan	kt	5.8	6.0	7.7	11.7	12.1	8.7	9.8	9.2
Papua New Guinea	kt	10.0	9.6	11.6	12.4	11.9	11.6	9.9	10.0
South Africa	kt	1.3	1.6	2.3	3.8	5.3	4.3	3.6	2.8
United Arab Emirates	kt	8.4	7.1	5.8	6.9	10.7	12.6	13.3	13.4
United States	kt	28.8	31.0	31.9	40.8	40.8	44.0	35.9	38.7
Other	kt	33.5	32.1	34.7	42.9	46.0	54.2	53.0	65.4
Total	kt	108.2	109.7	118.5	144.5	152.4	166.0	155.3	170.3
Live sheep									
Slaughter sheep	'000	6 024	4 738	3 394	4 184	4 163	3 772	4 213	3 563
Middle East	'000	5 931	4 634	3 356	4 144	4 137	3 744	4 153	3 538
Bahrain	'000	386	411	490	521	557	562	716	748
Egypt	'000	139	16	0	0	0	0	0	0
Jordan	'000	583	499	930	885	685	268	384	471
Kuwait	'000	1 570	1 499	1 260	891	962	930	956	948
Oman	'000	353	259	289	359	320	540	741	289
Qatar	'000	282	181	137	180	192	192	269	353
Saudi Arabia	'000	1 873	1 411	0	1 072	1 193	1 032	874	576
United Arab Emirates	'000	466	225	196	231	209	186	176	130
Other	'000	279	134	53	5	20	35	37	23
Singapore	'000	6	7	9	16	9	6	9	7
Other	'000	87	98	29	24	17	22	51	17
Breeding sheep	'000	39	4	3	1	4	1	2	5
Total	'000	6 063	4 742	3 397	4 185	4 167	3 773	4 215	3 568

a Shipped weight. b Includes young sheep and hoggets. c Regarded as 27 countries.

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

178 Value of Australian exports of sheep meat and live sheep (fob)

	2002 \$m	2003 \$m	2004 \$m	2005 \$m	2006 \$m	2007 \$m	2008 \$m	2009 \$m
Mutton a								
Canada	5.2	3.6	5.8	5.4	7.1	2.9	2.4	2.1
China	4.1	1.3	1.6	3.0	3.1	5.0	10.1	22.2
Chinese Taipei	48.9	32.2	41.9	34.8	29.8	23.2	23.3	27.9
CIS	5.4	1.3	5.8	13.5	33.1	23.5	33.8	17.3
European Union b	41.4	28.1	43.3	48.9	47.7	40.9	45.3	30.9
Japan	51.1	29.9	47.1	38.1	31.5	29.9	32.8	30.4
Korea, Rep. of	3.3	2.2	3.1	3.1	2.9	2.6	3.6	3.2
Malaysia	22.9	15.9	22.6	18.5	25.1	21.8	24.9	27.2
Papua New Guinea	6.6	6.1	5.1	5.2	4.2	6.5	7.4	10.7
Saudi Arabia	77.5	65.0	53.0	63.9	67.3	58.9	59.9	72.2
Singapore	23.2	20.4	22.0	18.6	19.5	19.3	21.8	26.5
South Africa	17.6	11.1	14.1	18.7	29.2	21.8	21.9	8.4
United States	64.7	67.9	48.6	44.4	50.2	43.2	39.2	36.9
Other	147.8	90.3	111.8	116.0	137.3	129.5	159.9	164.1
Total	519.7	375.3	426.0	432.0	487.9	429.2	486.2	480.0
Lamb								
European Union b	89.3	96.9	93.6	84.1	85.9	82.3	92.8	100.9
China	11.8	11.0	15.9	21.5	20.7	33.7	38.8	44.9
Japan	40.8	42.3	53.5	79.1	83.0	56.0	61.1	60.8
Papua New Guinea	15.7	14.4	17.3	19.4	20.0	23.8	22.1	29.9
South Africa	1.2	2.1	3.5	5.3	9.0	7.5	6.7	4.1
United Arab Emirates	31.6	29.9	27.0	32.8	47.1	56.4	65.6	73.2
United States	218.2	257.5	259.9	324.2	319.0	328.4	296.0	325.0
Other	157.7	148.7	168.6	211.4	208.3	234.2	250.5	336.7
Total	566.2	602.9	639.3	777.8	793.2	822.3	833.6	975.5
Live sheep c								
Middle East	395	330	223	275	287	259	316	318
Bahrain	25	29	33	35	38	38	56	66
Egypt	9	1	0	0	0	0	0	0
Jordan	39	35	58	53	47	18	26	38
Kuwait	101	105	84	60	64	59	68	78
Oman	24	19	20	25	23	40	57	27
Qatar	21	13	10	12	13	13	27	41
Saudi Arabia	127	104	0	74	88	76	68	55
United Arab Emirates	30	16	13	15	14	12	12	11
Other	7	8	3	4	2	2	5	3
Total	402	338	225	279	289	261	320	322

a Includes young sheep and hoggets. b Regarded as 27 countries. c Excludes animals for breeding.

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra.

179 World sheep numbers, by country ^a

	2001 million	2002 million	2003 million	2004 million	2005 million	2006 million	2007 million	2008 million	2009 million
Argentina	13.5	12.4	12.5	12.5	12.5	12.4	12.5	15.2	13.4
Australia	110.9	106.2	99.3	101.3	101.1	91.0	85.7	76.9	72.7
China ^b	135.9	143.8	143.8	157.3	170.9	173.9	146.0	136.4	128.6
France	9.3	9.3	9.3	9.2	9.1	8.9	8.5	7.8	7.7
Greece	9.1	9.1	9.1	9.0	8.8	8.8	8.8	9.0	9.0
India	60.8	61.5	61.5	62.2	62.9	63.6	64.3	65.0	65.7
Iran	53.9	53.9	53.9	54.0	52.2	52.2	52.2	53.8	na
Iraq	6.2	6.2	6.2	6.2	4.4	13.8	14.6	7.7	7.8
Italy	8.3	8.1	8.1	8.0	8.1	8.0	8.2	8.2	8.2
Morocco	16.3	16.7	16.7	17.0	16.9	16.9	16.4	17.1	17.5
New Zealand	39.5	39.3	39.3	40.0	39.9	40.1	38.5	34.2	32.4
Romania	7.3	7.3	7.3	7.5	7.4	7.6	7.7	8.9	8.9
Russian Federation	13.0	13.7	13.7	14.7	15.5	16.1	17.5	18.7	19.6
South Africa	28.9	28.8	28.8	29.1	25.3	25.0	25.0	25.2	25.0
Spain	23.8	23.5	23.5	24.0	22.7	22.5	21.8	20.0	19.7
Turkey	27.0	25.2	25.2	25.0	25.2	25.3	25.4	24.0	24.0
United Kingdom	35.8	35.7	35.7	35.5	35.3	34.7	33.6	21.9	30.8
United States	6.6	6.3	6.1	6.1	6.1	6.2	6.2	7.3	7.1
Uruguay	10.8	10.0	9.8	6.3	10.8	11.1	11.0	10.4	9.4
Total	1 037.1	1 025.9	1 035.2	1 063.1	1 089.1	1 092.4	1 086.9	1 080.8	1 071.3

^a Mostly at 1 December of year shown. Data for Australia are at 31 March to 1999, and from 2000 as at 30 June. ^b Excludes Hong Kong. na Not available.

Sources: ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra; European Commission, EUROSTAT, Luxembourg; UN FAO, FAOSTAT Agriculture Database, Rome; Meat and Wool New Zealand, Statistical Information Service, Wellington; Beef and Lamb New Zealand, Wellington; US Department of Agriculture, Sheep and Goats Report, Washington DC.

180 World mutton and lamb production, by country ^a

	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Argentina	50	50	52	52	52	52	52	52	52
Australia	678	634	543	573	616	669	681	647	624
China ^b	1 523	1 675	1 730	1 764	1 800	1 938	2 000	1 978	2 014
France	134	128	129	102	99	99	119	110	83
Italy	62	58	58	59	59	59	59	57	40
New Zealand	552	528	547	519	543	553	580	602	479
Romania	48	51	62	67	49	42	50	47	71
Russian Federation	114	115	114	125	134	139	150	156	164
Spain	236	237	236	231	224	214	196	157	124
Ukraine	0	8	8	8	8	8	8	8	9
United Kingdom	267	307	306	314	310	330	325	326	303
United States	101	101	92	90	85	84	83	79	76
Uruguay	51	31	27	27	34	31	32	27	35
Total	7 637	7 623	7 675	7 708	7 881	8 155	8 330	8 248	8 109

^a Carcass weight. ^b Excludes Hong Kong.

Sources: ABS, Livestock Products, Australia, cat. no. 7215.0, Canberra; European Commission, EUROSTAT, Luxembourg; UN FAO, FAOSTAT Agriculture Database, Rome; Meat and Wool New Zealand, Statistical Information Service, Wellington; Meat and Wool New Zealand, Annual Report, Wellington; Beef and Lamb New Zealand, Wellington; US Department of Agriculture, Livestock, Dairy and Poultry Outlook, Washington DC.

181 Volume of trade in sheep meat, by selected countries ^a

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Exports								
Australia	281	234	258	293	320	321	316	310
New Zealand	341	378	367	381	390	420	442	339
Imports								
France	139	133	135	135	137	128	128	127
- from Australia	3	2	3	2	2	1	3	3
- from New Zealand	39	33	32	30	30	32	29	30
Germany	40	33	32	38	40	39	38	35
- from Australia	1	1	1	1	1	1	1	1
- from New Zealand	32	27	26	30	31	32	31	28
Saudi Arabia	45	54	52	60	52	58	50	48
- from Australia	26	24	20	26	26	25	18	18
- from New Zealand	11	15	13	14	13	21	25	17
United Kingdom	102	111	116	110	114	114	112	115
- from Australia	12	12	13	13	14	13	12	13
- from New Zealand	77	81	82	79	83	85	83	88
United States	73	76	82	82	86	92	83	78
- from Australia	50	47	52	60	64	69	56	56
- from New Zealand	23	29	30	22	22	23	26	21

^a Shipped weight.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Meat and Wool New Zealand, Annual Report, Wellington; Beef and Lamb New Zealand, Wellington; United Nations Commodity Trade Statistics Database.

182 Volume of New Zealand sheep meat exports, by destination ^a

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Mutton								
Canada	0.3	0.4	0.7	0.9	2.0	2.3	2.1	1.8
European Union ^b	31.7	26.0	28.8	26.8	26.6	27.7	29.2	27.9
Japan	1.8	1.7	1.3	1.5	0.6	0.9	0.8	1.0
Korea, Rep. of	5.0	0.1	0.1	0.0	0.1	0.2	0.3	0.2
Papua New Guinea	1.6	0.9	1.7	1.1	1.9	2.1	2.1	1.4
Russian Federation	6.1	0.2	0.5	0.8	1.2	3.5	0.8	1.5
United States	1.2	3.2	1.1	0.9	1.2	6.4	2.8	3.5
Other	9.9	23.1	24.3	24.9	35.7	48.5	29.4	34.7
Total	57.5	58.4	60.4	56.9	69.5	95.9	66.6	66.6
Lamb								
Canada	10.7	9.7	9.0	9.1	10.7	10.2	10.3	10.1
Germany	26.9	20.5	21.5	23.0	22.3	22.9	19.0	21.4
Japan	8.9	11.3	11.0	13.1	6.3	7.0	7.5	9.0
Korea, Rep. of	0.6	1.1	1.2	0.7	0.9	0.8	0.6	0.7
Jordan	5.7	3.2	1.5	1.3	2.5	4.9	7.3	7.6
Papua New Guinea	5.5	7.5	7.6	7.9	8.4	6.3	7.1	5.6
Saudi Arabia	12.8	13.0	13.6	12.4	20.6	20.4	17.3	19.4
United Kingdom	69.3	69.8	68.3	75.4	77.6	71.7	73.3	74.3
United States	23.0	25.0	19.4	19.7	20.9	18.3	16.5	18.6
Other	132.9	131.9	147.0	148.8	160.7	107.8	99.0	146.4
Total	296.2	293.2	300.0	311.5	331.1	328.9	305.2	305.2

^a For October–September year. Shipped weight. ^b Regarded as 12 countries to 2002–03, then 25 countries from 2003–04. ^{na} Not available.

Source: Meat and Wool New Zealand, *Annual Report*, Wellington; Beef and Lamb New Zealand, Wellington; Meat and Wool New Zealand, Economic Service, Wellington; Beef and Lamb New Zealand, Wellington.

183 Summary of Australian statistics for oilseeds ^a

	Area '000 ha	Yield t/ha	Production kt	Exports b kt	Domestic use c kt
1964-65	92	0.77	71	7	64
1965-66	58	0.76	44	0	44
1966-67	81	1.00	81	6	75
1967-68	93	0.63	59	9	50
1968-69	95	0.58	55	12	43
1969-70	161	0.96	155	6	149
1970-71	269	0.76	204	9	195
1971-72	528	0.70	371	103	268
1972-73	447	0.60	268	48	220
1973-74	306	0.84	258	17	241
1974-75	402	0.86	345	48	297
1975-76	292	0.83	243	82	161
1976-77	271	0.88	240	5	235
1977-78	444	0.94	416	8	408
1978-79	511	1.02	520	65	455
1979-80	497	0.97	484	141	343
1980-81	400	1.12	450	6	444
1981-82	411	1.24	509	26	483
1982-83	386	0.91	349	3	346
1983-84	529	1.04	549	20	529
1984-85	710	1.30	925	51	874
1985-86	686	1.27	872	183	689
1986-87	552	1.28	708	125	583
1987-88	633	1.35	856	91	765
1988-89	569	1.47	838	217	621
1989-90	458	1.67	763	172	590
1990-91	599	1.74	1 040	187	852
1991-92	638	1.78	1 136	231	905
1992-93	541	1.60	864	241	623
1993-94	708	1.49	1 055	288	768
1994-95	807	1.14	920	253	667
1995-96	861	1.56	1 342	523	818
1996-97	1 048	1.69	1 776	523	1 253
1997-98	1 300	1.52	1 980	909	1 071
1998-99	2 123	1.47	3 113	1 708	1 405
1999-00	2 666	1.45	3 867	2 449	1 419
2000-01	2 144	1.45	3 098	2 194	904
2001-02	1 915	1.56	2 982	1 920	1 063
2002-03	1 627	0.94	1 523	887	636
2003-04	1 553	1.55	2 409	1 235	1 174
2004-05	1 839	1.44	2 641	1 261	1 379
2005-06	1 475	1.64	2 424	1 107	1 317
2006-07	1 281	0.82	1 050	354	695
2007-08	1 469	1.07	1 565	548	1 018
2008-09	1 983	1.25	2 478	1 020	1 459
2009-10	2 006	1.30	2 612	1 357	1 254

^a Oilseeds comprise of canola, cottonseed, linseed, peanuts, safflowerseed, soybeans and sunflowerseed. ^b Seed only. On a financial year basis. ^c Includes any imports of seed, stocks carried over to the next season, feed and seed use, and any processing, of which some may be exported.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; Australian Oilseeds Federation, AOF Oilseeds, Sydney; ABARES.

Oilseeds

184 Australian oilseeds area, yield and production, by state and type

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
Canola								
Area								
2003-04	'000 ha	366.0	239.0	0.0	358.0	247.0	0.0	1 211.0
2004-05	'000 ha	434.0	284.0	0.0	428.0	230.0	1.0	1 377.0
2005-06	'000 ha	194.0	191.0	1.0	437.0	147.0	1.0	971.0
2006-07	'000 ha	283.0	179.0	2.0	411.0	177.0	1.0	1 052.0
2007-08	'000 ha	310.0	196.0	2.0	595.0	173.0	1.0	1 277.0
2008-09	'000 ha	300.0	285.0	3.0	920.0	184.0	2.0	1 693.0
2009-10	'000 ha	303.0	232.0	3.0	988.0	184.0	1.0	1 712.0
Yield								
2003-04	t/ha	1.2	1.6	0.0	1.5	1.4	0.0	1.4
2004-05	t/ha	1.1	1.2	0.0	1.1	1.1	1.0	1.1
2005-06	t/ha	1.6	1.4	1.0	1.4	1.4	1.0	1.5
2006-07	t/ha	0.2	0.2	0.5	1.0	0.5	1.0	0.5
2007-08	t/ha	0.3	1.1	0.0	1.3	0.9	1.0	1.0
2008-09	t/ha	0.8	0.8	0.7	1.3	1.1	1.0	1.1
2009-10	t/ha	0.9	1.4	0.3	1.0	1.4	2.0	1.1
Production								
2003-04	kt	438.0	384.0	0.0	527.0	354.0	0.0	1 703.0
2004-05	kt	468.0	342.0	0.0	488.0	242.0	1.0	1 542.0
2005-06	kt	314.0	272.0	1.0	617.0	213.0	1.0	1 419.0
2006-07	kt	54.0	42.0	1.0	392.0	84.0	1.0	573.0
2007-08	kt	79.0	221.0	0.0	752.0	162.0	1.0	1 214.0
2008-09	kt	228.0	233.0	2.0	1 175.0	204.0	2.0	1 844.0
2009-10	kt	281.0	335.0	1.0	1 037.0	263.0	2.0	1 920.0
Cottonseed								
Area								
2003-04	'000 ha	97.2	0.0	100.8	0.0	0.0	0.0	198.1
2004-05	'000 ha	162.8	0.0	158.1	0.0	0.0	0.0	320.9
2005-06	'000 ha	214.3	0.0	121.2	0.0	0.0	0.0	335.5
2006-07	'000 ha	108.7	0.0	34.9	0.0	0.0	0.0	143.6
2007-08	'000 ha	41.2	0.0	21.4	0.0	0.0	0.0	62.7
2008-09	'000 ha	88.0	0.0	76.0	0.0	0.0	0.0	164.0
2009-10	'000 ha	123.8	0.0	84.5	0.0	0.0	0.0	208.3
Yield								
2003-04	t/ha	2.6	0.0	2.4	0.0	0.0	0.0	2.5
2004-05	t/ha	3.0	0.0	2.7	0.0	0.0	0.0	2.8
2005-06	t/ha	2.7	0.0	2.3	0.0	0.0	0.0	2.5
2006-07	t/ha	2.9	0.0	2.2	0.0	0.0	0.0	2.7
2007-08	t/ha	3.2	0.0	2.6	0.0	0.0	0.0	3.0
2008-09	t/ha	2.9	0.0	2.8	0.0	0.0	0.0	2.8
2009-10	t/ha	2.9	0.0	2.2	0.0	0.0	0.0	2.6
Production								
2003-04	kt	254.2	0.0	239.6	0.0	0.0	0.0	493.7
2004-05	kt	491.8	0.0	420.5	0.0	0.0	0.0	912.3
2005-06	kt	570.6	0.0	273.8	0.0	0.0	0.0	844.4
2006-07	kt	311.1	0.0	76.7	0.0	0.0	0.0	387.8
2007-08	kt	131.3	0.0	56.5	0.0	0.0	0.0	187.8
2008-09	kt	252.0	0.0	213.6	0.0	0.0	0.0	465.5
2009-10	kt	364.9	0.0	185.1	0.0	0.0	0.0	550.0

Continued

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Australian oilseeds area, yield and production, by state and type *continued*

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
Sunflowerseed Area								
2003-04	'000 ha	21.2	0.0	25.0	0.0	0.0	0.0	46.2
2004-05	'000 ha	29.0	0.0	17.0	0.0	0.0	0.0	46.0
2005-06	'000 ha	74.6	0.1	4.4	0.0	0.3	0.0	79.0
2006-07	'000 ha	12.9	0.0	4.1	0.0	0.0	0.0	17.0
2007-08	'000 ha	28.3	0.0	20.1	0.0	0.0	0.0	48.4
2008-09	'000 ha	33.8	0.0	17.4	0.5	0.0	0.0	51.8
2009-10	'000 ha	18.9	0.0	7.7	0.0	0.0	0.0	26.6
Yield								
2003-04	t/ha	1.5	0.0	1.1	0.0	0.0	0.0	1.3
2004-05	t/ha	1.6	0.0	0.9	0.0	0.0	0.0	1.3
2005-06	t/ha	1.0	1.0	0.6	0.0	0.6	0.0	1.0
2006-07	t/ha	1.0	0.0	2.0	0.0	1.0	0.0	1.2
2007-08	t/ha	1.5	0.0	1.6	0.0	0.0	0.0	1.5
2008-09	t/ha	1.1	0.0	1.1	0.1	0.0	0.0	1.1
2009-10	t/ha	1.7	0.0	1.2	0.0	0.0	0.0	1.5
Production								
2003-04	kt	31.7	0.0	26.3	0.0	0.0	0.0	58.0
2004-05	kt	47.0	0.0	15.0	0.0	0.0	0.0	62.0
2005-06	kt	73.4	0.2	2.7	0.0	0.2	0.0	76.5
2006-07	kt	12.9	0.0	8.2	0.0	0.0	0.0	21.1
2007-08	kt	41.1	0.0	32.0	0.0	0.0	0.0	73.0
2008-09	kt	35.8	0.0	19.5	0.1	0.0	0.0	55.3
2009-10	kt	31.4	0.0	9.6	0.0	0.0	0.0	41.0
Peanuts Area								
2003-04	'000 ha	0.8	0.0	13.0	0.0	0.0	0.0	14.0
2004-05	'000 ha	0.2	0.0	14.0	0.0	0.0	0.0	14.0
2005-06	'000 ha	0.8	0.0	23.4	0.0	0.0	0.0	12.0
2006-07	'000 ha	0.7	0.0	11.6	0.0	0.0	0.0	12.0
2007-08	'000 ha	0.5	0.0	10.4	0.0	0.0	0.0	17.0
2008-09	'000 ha	0.0	0.0	9.9	0.0	0.0	0.0	10.0
2009-10	'000 ha	0.4	0.0	11.4	0.0	0.0	0.0	12.0
Yield								
2003-04	t/ha	1.3	0.0	3.2	0.0	0.0	0.0	3.1
2004-05	t/ha	4.6	0.0	2.2	0.0	0.0	0.0	2.3
2005-06	t/ha	0.6	0.0	0.7	0.0	0.0	0.0	1.5
2006-07	t/ha	0.4	0.0	2.1	0.0	0.0	0.0	2.0
2007-08	t/ha	0.5	0.0	2.3	0.0	0.0	0.0	2.4
2008-09	t/ha	3.9	0.0	1.9	0.0	0.0	0.0	1.9
2009-10	t/ha	2.8	0.0	2.3	0.0	0.0	0.0	2.3
Production								
2003-04	kt	1.0	0.0	42.0	0.0	0.0	0.0	44.0
2004-05	kt	0.8	0.0	30.7	0.0	0.0	0.0	32.0
2005-06	kt	0.5	0.0	17.2	0.0	0.0	0.0	17.7
2006-07	kt	0.3	0.0	24.0	0.0	0.0	0.0	24.3
2007-08	kt	0.3	0.0	24.0	0.0	0.0	0.0	40.3
2008-09	kt	0.1	0.0	19.1	0.0	0.0	0.0	19.3
2009-10	kt	1.1	0.0	26.3	0.0	0.0	0.0	28.0

Continued

184 Australian oilseeds area, yield and production, by state and type continued

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
Safflowerseed								
Area								
2003-04	'000 ha	15.0	17.0	2.7	1.5	5.3	0.0	41.5
2004-05	'000 ha	19.7	16.4	2.6	0.4	5.9	0.0	45.0
2005-06	'000 ha	19.0	16.2	2.5	0.5	5.9	0.0	44.1
2006-07	'000 ha	15.1	12.8	2.0	0.4	4.7	0.0	35.0
2007-08	'000 ha	15.9	14.7	2.7	0.4	5.2	0.0	39.0
2008-09	'000 ha	10.9	0.4	0.8	0.0	0.0	0.0	12.1
2009-10	'000 ha	1.2	2.7	0.0	0.0	3.9	0.0	7.8
Yield								
2003-04	t/ha	0.9	0.5	0.5	0.0	0.7	0.0	0.7
2004-05	t/ha	0.7	0.5	0.4	0.0	0.7	0.0	0.6
2005-06	t/ha	0.6	0.1	0.0	0.7	0.0	0.0	0.3
2006-07	t/ha	0.1	0.0	0.1	0.0	0.0	0.0	0.1
2007-08	t/ha	0.6	0.4	0.3	0.0	0.6	0.0	0.2
2008-09	t/ha	0.5	0.2	1.3	0.0	0.0	0.0	0.5
2009-10	t/ha	0.7	0.5	0.0	0.0	0.7	0.0	0.6
Production								
2003-04	kt	13.6	9.2	1.4	0.0	3.8	0.0	28.0
2004-05	kt	14.1	8.9	0.9	0.0	4.1	0.0	28.0
2005-06	kt	11.1	2.3	0.1	0.4	0.0	0.0	13.9
2006-07	kt	1.9	0.0	0.1	0.0	0.0	0.0	2.1
2007-08	kt	9.4	6.3	0.8	0.0	2.9	0.0	7.5
2008-09	kt	5.0	0.1	1.1	0.0	0.0	0.0	6.2
2009-10	kt	0.8	1.4	0.0	0.0	2.7	0.0	4.9
Soybeans								
Area								
2003-04	'000 ha	17.8	0.5	15.1	0.0	0.0	0.0	33.4
2004-05	'000 ha	17.0	1.2	8.0	0.0	0.0	0.0	26.2
2005-06	'000 ha	16.6	0.3	7.0	0.0	0.0	0.0	23.8
2006-07	'000 ha	8.5	0.0	5.1	0.0	0.0	0.0	13.6
2007-08	'000 ha	6.9	0.0	8.0	0.0	0.0	0.0	14.9
2008-09	'000 ha	23.4	0.0	18.9	0.0	0.0	0.0	42.3
2009-10	'000 ha	17.2	0.6	13.5	0.0	0.0	0.0	31.3
Yield								
2003-04	t/ha	2.3	1.5	2.2	0.0	0.0	0.0	2.2
2004-05	t/ha	2.2	0.9	2.0	0.0	0.0	0.0	2.1
2005-06	t/ha	2.2	2.9	0.8	0.0	0.0	0.0	1.8
2006-07	t/ha	2.4	0.0	2.7	0.0	0.0	0.0	2.5
2007-08	t/ha	2.0	0.0	2.6	0.0	0.0	0.0	2.3
2008-09	t/ha	1.7	0.0	2.2	0.0	0.0	0.0	1.9
2009-10	t/ha	2.4	2.5	1.2	0.0	0.0	0.0	1.9
Production								
2003-04	kt	40.1	0.8	32.7	0.0	0.0	0.0	73.7
2004-05	kt	37.6	1.1	15.6	0.0	0.0	0.0	54.4
2005-06	kt	35.7	0.9	5.4	0.0	0.0	0.0	42.0
2006-07	kt	20.1	0.0	13.5	0.0	0.0	0.0	34.0
2007-08	kt	13.8	0.0	20.9	0.0	0.0	0.0	34.7
2008-09	kt	38.7	0.0	41.4	0.0	0.0	0.0	80.1
2009-10	kt	41.7	1.5	16.4	0.0	0.0	0.0	59.6

Continued

184 Australian oilseeds area, yield and production, by state and type continued

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^a
Total oilseeds								
Area								
2003-04	'000 ha	517.9	257.3	156.6	359.5	252.3	0.0	1 553.1
2004-05	'000 ha	662.7	301.7	199.6	428.4	235.9	1.0	1 839.1
2005-06	'000 ha	519.3	208.5	159.5	437.5	153.3	1.0	1 475.5
2006-07	'000 ha	428.8	192.5	67.1	411.4	181.7	1.0	1 281.1
2007-08	'000 ha	402.8	211.3	70.6	595.4	178.2	1.0	1 468.9
2008-09	'000 ha	456.2	285.4	126.1	920.5	184.0	2.0	1 982.6
2009-10	'000 ha	464.5	235.7	120.1	988.0	187.9	1.0	2 006.5
Yield								
2003-04	t/ha	1.5	1.5	2.2	1.5	1.4	0.0	1.6
2004-05	t/ha	1.6	1.2	2.4	1.1	1.0	1.0	1.4
2005-06	t/ha	1.9	1.3	1.9	1.4	1.4	1.0	1.6
2006-07	t/ha	0.9	0.2	1.8	1.0	0.5	1.0	0.8
2007-08	t/ha	0.7	1.1	1.9	1.3	0.9	1.0	1.1
2008-09	t/ha	1.2	0.8	2.4	1.3	1.1	1.0	1.3
2009-10	t/ha	1.6	1.4	2.0	1.0	1.4	2.0	1.3
Production								
2003-04	kt	778.6	394.0	342.0	527.0	357.8	0.0	2 409.4
2004-05	kt	1 059.3	352.0	482.8	488.0	246.1	1.0	2 640.6
2005-06	kt	1 005.4	275.4	300.1	617.4	213.2	1.0	2 423.5
2006-07	kt	400.2	42.0	123.6	392.0	84.0	1.0	1 049.9
2007-08	kt	274.8	227.3	134.3	752.0	164.9	1.0	1 565.2
2008-09	kt	559.7	233.1	296.6	1 175.1	204.0	2.0	2 478.5
2009-10	kt	720.9	337.9	238.4	1 037.0	265.7	2.0	2 611.5

^a Australian totals include some crops that are not divided by the states.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABARE, *Australian Crop Report*, Canberra; Australian Oilseeds Federation, AOF Oilseeds, Sydney.

Oilseeds

185 Australian exports of oilseeds, vegetable oils and meals, by type

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Oilseeds								
Canola	612.30	1 048.82	1 018.56	884.27	237.60	519.14	972.98	1 238.23
Cottonseed	258.57	166.57	214.35	204.44	104.08	17.84	37.09	105.51
Linseed	0.03	0.02	0.21	0.16	0.02	0.00	0.00	0.09
Peanuts	3.61	10.25	12.42	2.55	3.80	5.83	5.41	4.88
Safflowerseed	2.77	3.62	5.63	7.76	3.05	0.17	0.07	0.02
Soybeans	7.22	4.54	6.88	4.08	3.36	1.92	1.91	6.75
Sunflowerseed	2.25	1.39	3.17	3.46	2.52	2.76	2.46	1.63
Total a (value, \$m)	886.75 391.66	1 235.20 541.23	1 261.23 484.44	1 106.72 404.46	354.43 161.42	547.66 337.89	1 019.92 641.80	1 357.12 652.83
Oils								
Canola	31.38	46.91	47.19	34.42	28.33	56.82	76.33	87.13
Cottonseed	2.08	1.99	2.19	2.77	4.66	5.62	9.98	5.35
Linseed	0.01	0.02	0.01	0.10	0.01	0.01	0.00	0.03
Palm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
Peanut	0.12	0.53	0.26	0.19	0.57	0.11	0.13	0.93
Safflowerseed	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00
Soybeans	1.45	1.74	0.16	0.57	1.65	0.96	2.19	3.27
Sunflowerseed	4.26	1.06	3.52	7.76	5.58	1.76	1.86	0.04
Olive	0.21	0.39	0.68	2.52	2.75	3.03	4.92	6.90
Total (value, \$m)	51.57 63.22	62.64 67.08	63.06 73.05	61.03 81.11	59.71 90.35	93.37 163.42	112.01 223.28	117.65 211.69
Oilseed meals								
Canola	0.00	0.01	0.01	0.02	0.01	2.04	1.29	19.03
Cottonseed and sunflowerseed	9.15	10.15	6.79	11.99	9.04	9.15	10.72	12.70
Linseed	0.19	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Soybeans	5.18	4.66	10.30	3.79	3.97	2.98	1.38	2.19
Other b	1.39	1.18	5.83	5.55	6.67	4.73	6.25	27.16
Total (value, \$m)	15.91 7.99	15.99 6.65	22.94 10.84	21.36 7.29	19.70 8.88	18.90 7.86	19.64 10.73	61.08 28.38

a Excludes sesame seed and other oleaginous fruit. **b** Includes flour, meal of oilseeds, and oleaginous fruit. Excludes peanut meal.

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

186 Volume of Australian exports of selected oilseeds products, by destination

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Oilseeds								
Canola								
Bangladesh	70.12	100.57	67.95	41.30	15.23	3.55	3.39	75.88
China	50.08	2.19	39.62	0.00	3.23	0.00	43.54	0.00
Japan	444.40	545.84	495.23	370.27	190.47	121.54	96.47	214.16
Pakistan	38.50	284.28	387.24	97.46	25.00	166.78	120.55	552.61
Other	9.20	115.94	28.53	375.24	3.67	227.27	709.04	395.59
Total ^a	612.30	1 048.82	1 018.56	884.27	237.60	519.14	972.98	1 238.23
Cottonseed								
Chinese Taipei	0.57	0.42	0.61	0.87	0.49	0.00	0.07	0.03
Japan	133.41	134.12	144.67	162.72	86.39	17.36	29.70	69.49
Korea, Rep. of	22.72	28.42	56.04	39.64	16.21	0.00	6.11	13.32
Saudi Arabia	0.00	0.00	10.58	0.00	0.00	0.00	0.72	0.00
United States	98.81	1.34	1.00	0.00	0.00	0.00	0.02	22.50
Other	3.05	2.26	1.47	1.20	1.00	0.49	0.47	0.17
Total ^a	258.57	166.57	214.35	204.44	104.08	17.84	37.09	105.51
Canola oil								
China	5.30	12.58	0.26	0.29	0.28	4.21	0.14	0.07
Japan	10.00	10.02	18.42	9.34	3.10	2.01	4.17	1.84
New Zealand	13.11	12.29	14.19	15.73	15.49	13.12	20.09	21.24
Other	2.96	12.02	14.33	9.07	9.47	37.49	51.94	63.98
Total	31.38	46.91	47.19	34.42	28.33	56.82	76.33	87.13
Cottonseed and sunflowerseed meal								
Korea, Rep. of	6.32	8.16	4.64	9.93	7.26	8.17	10.09	10.84
New Zealand	1.24	0.25	0.43	0.31	0.51	0.00	0.04	1.22
Other	1.59	1.74	1.72	1.75	1.28	0.97	0.60	0.64
Total	9.15	10.15	6.79	11.99	9.04	9.15	10.72	12.70

^a Excludes sesame seed and other oleaginous fruit.

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

Oilseeds

187 Volume of Australian imports of oilseeds, vegetable oils and meals, by type

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Oilseeds								
Canola	0.21	0.23	0.11	0.14	57.27	0.28	0.44	0.37
Copra	0.06	0.05	1.17	1.11	5.65	7.51	11.95	5.31
Linseed	0.56	1.45	1.22	0.00	2.77	3.48	2.04	0.46
Peanuts	28.38	16.42	7.43	4.95	17.20	19.36	13.09	11.34
Soybeans	43.82	39.60	0.62	0.72	10.39	1.30	0.84	1.12
Sunflowerseed	0.73	1.07	1.85	1.84	25.16	2.78	2.26	2.21
Other a	6.51	7.84	7.06	7.03	8.25	8.21	6.01	8.39
Total	80.27	66.66	19.46	15.78	126.69	42.92	36.64	29.21
(value, \$m)	61.45	50.05	26.69	20.94	79.21	50.45	52.99	42.80
Oils								
Canola	4.31	8.45	9.99	13.10	13.29	10.92	9.45	12.05
Cottonseed	0.71	6.91	3.16	2.14	11.79	6.54	18.37	4.17
Linseed	1.90	3.09	3.93	2.08	3.56	3.55	2.09	2.47
Maize	1.90	2.92	3.41	3.29	2.49	2.37	1.91	1.77
Peanut	1.46	2.87	0.94	1.21	0.36	0.14	0.52	0.32
Safflowerseed and sunflowerseed	24.86	31.19	29.71	24.81	36.61	34.76	31.42	33.94
Soybean	10.67	12.58	15.46	12.59	38.12	17.65	23.47	21.75
Castor	1.47	1.40	1.34	1.28	1.38	1.96	1.70	1.65
Coconut	15.23	14.16	11.77	10.56	12.63	14.45	10.72	10.54
Olive	32.75	29.41	29.76	30.81	40.97	32.22	24.24	35.74
Palm	90.48	87.14	86.70	104.07	112.12	107.02	110.42	109.05
Palm kernel	10.33	13.13	12.49	15.12	11.28	10.61	11.18	8.91
Palm olein	82.50	78.66	76.18	83.48	88.99	87.78	85.46	61.27
Palm stearin	22.08	25.94	21.34	20.78	20.65	19.71	24.51	22.03
Tung	0.31	0.25	0.32	0.27	0.29	0.27	0.18	0.23
Other b	217.74	73.36	34.87	38.83	242.35	230.25	129.23	98.28
Total oils	518.70	391.46	341.34	364.41	636.87	580.21	484.88	424.17
(value, \$m)	413.77	412.68	425.30	466.02	581.47	622.51	760.59	599.22
Oilseed meals								
Soybeans	373.66	312.15	377.16	329.64	617.85	528.38	482.05	512.64
Other c	217.74	73.36	34.87	38.83	242.35	230.25	129.23	98.28
Total	591.41	385.50	412.02	368.47	860.20	758.63	611.28	610.92
(value, \$m)	154.25	125.07	113.64	108.03	202.07	217.44	252.59	242.77

a Oilseeds, oleaginous fruit, used for extraction of vegetable oils, not elsewhere specified. **b** Includes fixed vegetable oils not elsewhere specified, including mixtures; boiled, oxidised and dehydrated vegetable oils not elsewhere specified; vegetable oils and fats not elsewhere specified. **c** Includes flours.

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

188 Summary of world statistics for oilseeds a

	Area b	Production	Use c	Closing stocks		Stocks to use ratio	Exports	Use per person	Price e
				World	Exporters d				
				million ha	Mt	Mt	Mt	kg	US\$/t
1970-71	66.8	73.6	76.7	4.5	3.2	5.8	15.7	27.2	na
1971-72	69.3	78.1	80.2	4.3	3.2	5.3	15.3	28.4	na
1972-73	97.3	102.2	104.1	4.3	2.9	4.1	18.5	28.5	267.0
1973-74	100.7	116.6	115.2	7.5	5.7	6.5	19.2	30.7	260.0
1974-75	99.1	107.9	110.7	8.7	6.8	7.8	16.1	29.3	249.0
1975-76	97.9	116.4	117.9	11.3	8.7	9.6	20.4	30.8	215.0
1976-77	94.8	104.9	114.7	5.1	3.7	4.4	20.4	30.1	288.0
1977-78	104.1	125.9	126.0	8.4	6.1	6.6	24.3	32.3	259.0
1978-79	108.1	131.3	134.6	9.4	6.9	7.0	26.7	33.8	295.0
1979-80	112.6	145.8	141.5	16.8	13.6	11.8	30.9	35.8	278.0
1980-81	110.8	132.1	139.6	13.6	10.9	9.7	27.0	35.0	310.0
1981-82	114.0	148.3	151.4	12.2	9.2	8.1	32.5	36.9	253.0
1982-83	114.8	154.9	154.8	14.5	11.2	9.4	31.9	37.2	260.0
1983-84	111.1	138.6	147.8	9.2	5.6	6.2	27.8	35.3	301.1
1984-85	117.6	161.9	163.0	14.6	10.6	8.9	25.6	38.1	223.0
1985-86	117.1	170.2	169.0	20.3	16.8	12.0	30.0	38.6	210.8
1986-87	126.3	189.9	191.9	23.5	19.7	12.2	32.3	39.4	208.7
1987-88	133.4	205.2	202.0	24.8	19.9	12.3	38.9	40.9	282.3
1988-89	140.1	199.7	201.2	24.1	19.5	12.0	31.6	39.7	292.3
1989-90	140.3	210.5	209.2	25.4	20.7	12.2	35.5	40.3	246.9
1990-91	139.5	214.0	215.2	25.1	21.1	11.6	33.5	40.7	241.4
1991-92	145.1	222.7	224.3	23.4	19.5	10.4	34.2	41.7	237.4
1992-93	144.1	226.3	225.2	25.5	21.9	11.3	35.4	41.2	246.2
1993-94	147.4	227.2	230.7	22.5	18.7	9.8	36.0	41.6	258.8
1994-95	155.5	261.1	255.1	29.1	25.0	11.4	41.5	45.3	247.6
1995-96	161.4	257.6	262.9	24.3	19.3	9.2	41.5	46.0	304.0
1996-97	157.0	261.4	263.7	21.0	14.9	8.0	46.1	45.5	304.0
1997-98	164.1	286.7	275.2	31.3	23.9	11.4	49.3	46.8	257.0
1998-99	171.2	294.6	292.0	34.7	27.5	11.9	51.1	49.0	209.0
1999-00	174.4	304.3	300.1	38.6	28.7	12.9	59.4	49.7	210.0
2000-01	173.9	313.9	310.9	40.1	29.2	12.9	67.0	50.9	200.9
2001-02	177.2	324.8	323.9	42.4	33.6	13.1	62.3	52.3	201.0
2002-03	175.6	331.5	326.4	48.8	39.3	15.0	69.7	52.0	244.8
2003-04	190.9	335.8	336.8	45.1	36.8	13.4	66.8	53.0	320.6
2004-05	196.8	381.3	366.7	57.9	44.1	15.8	74.4	57.0	274.5
2005-06	198.3	391.3	384.4	64.3	50.4	16.7	75.8	59.0	260.9
2006-07	198.2	404.3	392.8	73.5	61.1	18.7	83.3	59.6	335.4
2007-08	193.2	391.9	401.0	61.7	50.9	15.4	92.7	60.1	549.4
2008-09	202.3	396.3	400.7	56.5	36.8	14.1	94.5	59.4	420.8
2009-10	205.0	440.9	419.3	72.3	47.1	17.2	108.3	61.4	429.0

a October-September years, except where otherwise noted. Oilseeds comprise canola, copra, cottonseed, palm kernels, peanuts, soybeans and sunflowerseed. b Area for 2008-09 does not include copra or palm kernels. c Consumption, includes losses etc. d Stocks are indicative for the year in question. Soybeans: United States, Brazil, Argentina; cottonseed: United States; peanuts: United States, China; sunflowerseed: United States, Argentina; canola: Canada; copra: the Philippines; palm kernels: Malaysia. e US soybeans, cif Rotterdam, marketing year October-September. na Not available. Sources: US Department of Agriculture, Production, Supply and Distribution Database, Washington DC; ISTA mielke GmbH, Oil World Annual, Hamburg, Germany.

Oilseeds

189 World oilseeds production, by country ^a

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Africa								
South Africa	870	1 041	1 020	1 067	615	1 292	1 462	1 233
Americas								
Argentina	39 616	36 840	43 425	45 030	53 360	51 886	35 507	57 936
Brazil	53 712	53 576	55 580	59 120	62 009	64 234	60 283	71 464
Canada	7 014	9 184	10 776	12 733	12 616	12 422	16 091	16 032
Paraguay	4 639	4 144	4 255	3 875	6 175	7 180	4 366	7 398
United States	83 935	76 604	95 944	95 670	96 843	82 453	89 201	98 902
Asia								
China	53 701	51 307	58 349	56 799	55 230	53 350	58 116	57 270
India	20 212	29 692	29 404	30 701	29 916	33 953	33 399	31 419
Indonesia	6 131	6 623	7 238	7 690	7 918	8 231	9 132	9 262
Malaysia	3 610	3 595	4 073	4 083	3 973	4 562	4 476	4 683
Pakistan	3 930	4 032	5 472	5 052	5 253	4 615	4 795	5 192
Philippines	2 244	2 346	2 496	2 447	2 248	2 550	2 572	2 572
Turkey	2 361	2 062	2 105	2 012	2 262	1 826	1 645	1 530
Turkmenistan	275	370	360	380	470	510	530	490
Uzbekistan	2 000	1 800	2 250	2 500	2 300	2 330	1 800	1 525
Europe								
European Union ^b	18 619	18 793	23 720	23 470	24 500	24 523	27 328	29 700
Romania	0	0	0	0	0	0	0	0
Russian Federation	4 223	5 435	5 631	7 442	8 080	6 932	8 846	8 034
Ukraine	3 456	4 535	3 562	5 595	6 790	5 950	10 700	9 450
Oceania								
Australia	1 523	2 409	2 641	2 424	1 050	1 565	2 478	2 612
Other countries	19 464	21 367	22 967	23 177	22 722	21 536	23 604	24 217
Total	331 535	335 755	381 268	391 267	404 330	391 900	396 331	440 921

^a Oilseeds comprise soybeans, cottonseed, peanuts, sunflowerseed, canola, palm kernels and copra. ^b Regarded as 27 countries. ^{na} Not available.
 Sources: ABARE, Australian Crop Report, Canberra; ABS, Principal Agricultural Commodities, Australia, Preliminary, cat. no. 7111.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

190 World oilseeds production, by type

	Castor-seed kt	Copra kt	Cotton-seed kt	Linseed kt	Palm kernels kt	Peanuts kt	Rape-seed a kt	Sesame seed kt	Soybeans kt	Sunflower-seed kt
1964-65	811	3 332	21 411	3 700	861	11 625	4 509	1 741	28 699	8 580
1965-66	784	3 514	22 085	3 675	840	10 956	5 046	1 572	31 080	8 110
1966-67	853	3 287	20 635	3 273	724	11 087	4 669	1 544	35 732	9 410
1967-68	909	3 404	20 163	2 738	740	11 849	5 729	1 727	37 098	9 791
1968-69	888	3 240	22 588	3 155	810	11 001	5 384	1 572	40 611	9 685
1969-70	866	3 328	20 148	3 995	885	10 705	5 269	1 624	40 943	10 155
1970-71	814	3 794	19 675	4 420	939	11 346	7 088	1 984	42 134	9 790
1971-72	854	4 389	21 631	3 024	906	11 777	7 678	1 827	43 441	10 019
1972-73	807	3 711	22 400	2 579	859	14 421	7 262	1 776	43 906	9 685
1973-74	997	3 204	22 862	2 763	993	16 251	7 110	1 873	54 007	12 175
1974-75	1 101	4 385	22 985	2 625	1 049	16 651	7 821	1 770	44 246	10 725
1975-76	800	5 020	19 888	2 873	1 078	18 468	8 402	1 671	53 633	9 959
1976-77	694	4 571	20 064	2 580	1 122	16 378	7 127	1 657	45 463	10 130
1977-78	773	4 745	22 685	3 392	1 157	16 735	7 836	1 779	59 907	12 822
1978-79	907	4 132	21 458	2 740	1 285	17 711	10 635	1 854	63 468	12 620
1979-80	875	4 287	23 248	3 089	1 415	17 140	9 944	1 852	74 633	15 162
1980-81	782	4 757	23 481	2 526	1 436	16 040	11 054	1 713	62 226	13 090
1981-82	914	4 508	26 476	2 459	1 708	19 604	12 267	2 069	69 098	14 664
1982-83	924	4 392	25 754	3 001	1 767	17 191	14 720	1 769	74 505	16 530
1983-84	970	3 693	24 213	2 640	1 975	18 517	14 280	1 951	60 563	15 328
1984-85	1 070	4 592	32 824	2 790	2 188	19 522	16 953	1 970	68 035	17 776
1985-86	1 180	5 231	29 413	3 010	2 467	19 604	18 571	1 960	75 606	19 336
1986-87	1 050	4 625	26 281	3 290	2 454	20 141	19 338	2 270	98 049	19 055
1987-88	830	4 299	30 198	2 790	2 609	20 598	23 192	2 230	103 654	20 683
1988-89	1 010	4 265	31 380	2 300	2 858	22 713	22 556	2 210	95 857	20 023
1989-90	1 110	5 022	29 816	2 450	3 256	21 761	21 885	2 140	107 192	21 566
1990-91	1 350	4 684	32 284	2 880	3 255	21 789	25 056	2 070	104 290	22 648
1991-92	1 170	4 665	35 502	2 460	3 343	21 967	28 223	2 350	107 297	21 662
1992-93	1 140	4 838	30 797	1 966	3 910	23 080	25 285	2 190	117 206	21 191
1993-94	1 100	4 890	28 929	2 181	4 137	24 332	26 654	2 300	117 582	20 658
1994-95	1 210	5 533	32 311	2 464	4 522	27 479	30 192	2 321	137 646	23 367
1995-96	1 210	5 136	35 168	2 539	4 868	27 666	34 308	2 540	124 706	25 748
1996-97	1 116	6 140	33 672	3 369	5 211	29 068	31 463	2 821	131 947	23 861
1997-98	1 181	5 455	34 321	2 371	5 045	27 556	33 122	2 652	157 950	23 298
1998-99	1 168	4 404	32 365	2 828	5 620	29 948	35 755	2 617	159 826	26 650
1999-00	1 261	5 457	32 982	2 868	6 404	29 416	42 481	2 704	160 347	27 177
2000-01	1 353	5 810	33 514	2 359	6 958	31 423	37 325	2 870	175 759	23 078
2001-02	1 043	5 157	36 425	2 159	7 115	33 816	36 010	3 236	184 815	21 413
2002-03	1 043	5 144	33 818	2 090	7 674	30 862	33 256	3 025	196 869	23 912
2003-04	1 107	5 378	36 248	2 261	8 348	32 834	39 428	3 239	186 638	26 881
2004-05	1 359	5 604	45 484	2 020	9 431	33 606	46 085	3 439	215 777	25 281
2005-06	1 440	5 595	43 467	2 936	9 855	33 239	48 509	3 544	220 670	29 932
2006-07	1 210	5 273	46 006	2 600	10 062	31 032	45 092	3 430	237 126	29 739
2007-08	1 310	5 716	45 889	2 000	10 992	32 591	48 510	3 399	221 006	27 196
2008-09	1 410	5 879	41 112	2 182	11 704	34 471	57 923	3 452	211 964	33 278
2009-10	1 355	5 878	39 240	2 392	12 030	32 971	60 517	3 650	259 915	30 370

a Predominantly canola since the late 1980s.

Sources: ISTA Mielke GmbH, Oil World Annual, Hamburg, Germany; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

191 Volume of world oilseeds trade, by type and country ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
Canola	4.03	5.15	5.02	6.68	7.01	7.56	12.13	10.39
China	0.05	0.42	0.32	0.68	0.96	0.81	3.03	2.10
European Union ^b	0.06	0.17	0.07	0.38	0.43	0.69	3.34	2.20
Japan	2.11	2.28	2.23	2.28	2.17	2.26	2.12	2.30
Copra	0.06	0.07	0.13	0.07	0.09	0.11	0.10	0.10
European Union ^b	0.03	0.04	0.04	0.02	0.01	0.00	0.00	0.00
Linseed	0.78	2.22	1.70	0.79	1.01	0.90	0.82	0.98
European Union ^c	0.60	0.62	0.49	0.55	0.71	0.61	0.55	0.48
Japan	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01
Soybeans	62.91	54.00	63.47	64.13	69.07	78.12	77.17	87.72
China	21.42	16.93	25.80	28.32	28.73	37.82	41.10	50.50
European Union ^b	16.94	14.68	14.54	13.94	15.29	15.12	13.21	12.90
Japan	5.09	4.69	4.30	3.96	4.09	4.01	3.40	3.60
Mexico	4.23	3.80	3.64	3.67	3.84	3.58	3.33	3.45
Sunflowerseed	1.37	2.19	1.13	1.38	1.76	1.25	1.79	1.73
European Union ^b	0.71	1.07	0.41	0.63	0.57	0.30	0.62	0.32
Israel	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mexico	0.10	0.04	0.01	0.02	0.01	0.01	0.01	0.01
Turkey	0.23	0.66	0.53	0.41	0.50	0.53	0.45	0.74
Other oilseeds ^d	1.89	0.45	1.21	2.37	1.91	2.03	1.67	1.60
Total	71.05	64.07	72.66	75.42	80.84	89.96	93.67	102.52
Exports								
Canola	4.13	5.49	4.90	6.98	6.62	8.12	12.02	10.81
Australia	0.61	1.05	1.02	0.88	0.24	0.52	0.97	1.24
Canada	2.42	3.76	3.49	5.41	5.45	5.78	7.90	7.17
Copra	0.08	0.07	0.14	0.10	0.13	0.13	0.12	0.14
Papua New Guinea	0.02	0.02	0.03	0.01	0.02	0.04	0.04	0.04
Philippines	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Linseed	0.79	0.82	0.65	0.80	1.05	0.87	0.81	0.98
Canada	0.64	0.71	0.51	0.65	0.84	0.74	0.66	0.73
Soybeans	60.98	56.02	64.75	63.80	71.32	79.59	77.25	92.75
Argentina	8.62	6.74	9.57	7.25	9.56	13.84	5.59	13.10
Brazil	19.63	20.42	20.14	25.91	23.49	25.36	29.99	28.58
United States	28.42	24.13	29.86	25.58	30.39	31.54	34.82	40.77
Sunflowerseed	1.52	2.27	1.23	1.52	1.90	1.48	2.15	1.74
Argentina	0.21	0.05	0.11	0.05	0.06	0.05	0.07	0.07
Ukraine	0.33	0.93	0.01	0.22	0.34	0.08	0.77	0.36
United States	0.17	0.17	0.14	0.18	0.18	0.20	0.18	0.18
Other oilseeds ^d	2.20	2.10	2.70	2.58	2.27	2.48	2.13	1.86
Total	69.70	66.77	74.37	75.78	83.28	92.67	94.48	108.29

^a Imports may not equal exports in any given period as a result of lags in shipping time. ^b Regarded as 27 countries; excludes intra-EU trade. ^c Regarded as 15 countries for all years; excludes intra-EU trade. ^d Cottonseed, palm kernels and peanuts.

Sources: ISTA Mielke GmbH, Oil World Annual, Hamburg, Germany; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

192 Volume of world protein meals trade, by type and country ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
Copra meal	0.81	0.68	0.73	0.67	0.57	0.70	0.59	0.79
European Union ^b	0.28	0.14	0.08	0.05	0.03	0.02	0.02	0.04
Korea, Rep. of	0.37	0.40	0.43	0.41	0.39	0.52	0.38	0.52
Fish meal	2.85	3.13	3.59	2.95	2.69	3.01	3.11	2.72
China	0.80	1.13	1.58	0.98	0.97	1.35	1.31	1.00
Chinese Taipei	0.24	0.24	0.23	0.21	0.15	0.15	0.18	0.17
European Union ^b	0.76	0.60	0.65	0.57	0.54	0.49	0.56	0.55
Peanut meal	0.12	0.27	0.11	0.20	0.15	0.13	0.05	0.08
European Union ^b	0.06	0.03	0.00	0.03	0.06	0.01	0.01	0.03
Thailand	0.03	0.04	0.02	0.02	0.01	0.01	0.00	0.00
Soybean meal	42.47	44.89	45.92	51.17	52.55	54.07	51.18	52.48
European Union ^b	20.55	22.01	21.91	22.83	22.21	24.07	20.98	21.50
Indonesia	1.64	1.67	1.85	2.07	2.24	2.43	2.34	2.45
Korea, Rep. of	1.53	1.31	1.46	1.77	1.87	1.76	1.81	1.79
Philippines	1.45	1.16	1.38	1.37	1.36	1.21	1.30	1.30
Other meals ^c	7.37	8.82	8.99	10.12	10.64	10.98	11.85	12.09
Total	53.62	57.79	59.34	65.09	66.60	68.89	66.78	68.15
Exports								
Fish meal	2.86	3.20	3.67	2.73	2.59	2.85	2.95	2.49
European Union ^b	0.16	0.19	0.23	0.20	0.14	0.18	0.24	0.21
South America	2.01	2.32	2.76	1.93	1.85	2.15	2.24	1.62
Peanut meal	0.09	0.29	0.15	0.24	0.20	0.18	0.09	0.12
India	0.01	0.25	0.11	0.16	0.08	0.13	0.04	0.05
Senegal	0.05	0.01	0.00	0.03	0.08	0.01	0.01	0.04
Sudan	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Soybean meal	43.00	45.82	48.13	52.38	54.62	56.16	52.82	55.06
Argentina	18.47	19.22	20.65	24.22	25.63	26.82	24.03	24.70
Brazil	13.66	14.79	14.26	12.90	12.72	12.14	13.11	12.98
European Union ^b	0.34	0.40	0.53	0.70	0.55	0.41	0.47	0.45
United States	5.73	4.69	6.66	7.30	7.99	8.38	7.71	10.12
Other meals ^d	8.05	9.54	9.77	11.10	11.50	12.64	13.41	13.80
Total	53.99	58.85	61.72	66.44	68.91	71.83	69.27	71.47

^a Imports may not equal exports in any given period, as a result of lags in shipping time. ^b Regarded as 27 countries; includes intra-EU trade. ^c Canola, cottonseed, palm kernel and sunflowerseed. ^d Canola, copra, cottonseed, palm kernel and sunflowerseed.

Sources: US Department of Agriculture, Production, Supply and Distribution Database, Washington DC.

Oilseeds

193 Volume of world vegetable oils trade, by type and country ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
Canola oil	0.89	1.36	1.20	1.47	2.20	2.02	2.44	2.82
European Union ^b	0.01	0.03	0.03	0.32	0.73	0.30	0.45	0.44
India	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02
Coconut oil	1.89	1.68	1.86	1.99	1.87	1.95	1.65	2.03
European Union ^b	0.81	0.68	0.77	0.77	0.79	0.70	0.65	0.70
United States	0.39	0.36	0.42	0.50	0.42	0.54	0.44	0.57
Palm oil	19.70	21.93	24.31	26.23	26.74	30.78	34.06	34.73
European Union ^b	3.04	3.41	4.03	4.27	4.33	4.96	5.38	5.10
India	3.95	3.49	3.53	2.90	3.65	5.02	6.87	6.40
Pakistan	1.32	1.30	1.55	1.85	1.62	2.22	1.95	2.20
Singapore	0.31	0.32	0.14	0.22	0.22	0.29	0.33	0.33
Soybean oil	8.27	8.39	8.88	9.09	9.92	10.38	8.92	8.66
China	1.71	2.73	1.73	1.52	2.40	2.73	2.49	1.60
European Union ^b	0.03	0.06	0.18	0.72	0.99	1.04	0.79	0.55
India	1.20	0.91	2.03	1.73	1.45	0.73	1.06	1.50
Russian Federation	0.18	0.10	0.09	0.05	0.02	0.12	0.02	0.02
Sunflowerseed oil	2.00	1.95	2.16	3.30	3.33	2.73	3.97	3.86
European Union ^b	0.73	0.52	0.86	1.24	1.21	1.18	1.01	0.97
Other vegetable oils ^c	2.25	2.41	2.45	2.50	2.99	2.92	3.12	3.32
Total	35.00	37.71	40.86	44.59	47.04	50.78	54.17	55.43
Exports								
Canola oil	0.91	1.33	1.29	1.65	2.03	1.91	2.42	2.66
Canada	0.53	0.98	0.97	1.09	1.27	1.31	1.53	1.81
European Union ^b	0.25	0.14	0.10	0.09	0.05	0.14	0.14	0.11
Coconut oil	1.73	1.80	2.07	2.08	1.74	1.92	1.49	2.17
Philippines	1.07	1.06	1.00	1.20	0.83	0.96	0.74	1.30
Cottonseed oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
United States	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Palm oil	19.96	22.12	25.03	27.59	27.54	32.19	34.57	35.49
Indonesia	6.42	7.86	9.62	11.70	11.42	13.97	15.96	16.70
Malaysia	11.65	11.60	12.68	12.93	12.90	14.64	15.49	15.53
Soybean oil	9.03	8.79	9.17	9.84	10.56	10.89	9.12	9.08
Argentina	3.92	4.24	4.76	5.60	5.97	5.79	4.70	4.40
Brazil	2.39	2.72	2.41	2.47	2.46	2.39	1.91	1.44
European Union ^b	0.71	0.56	0.53	0.27	0.24	0.33	0.40	0.40
United States	1.03	0.43	0.60	0.52	0.85	1.32	1.00	1.54
Sunflowerseed oil	2.28	2.68	2.57	3.91	4.04	3.48	4.59	4.68
Argentina	0.90	1.01	1.18	1.22	0.85	1.22	0.85	0.76
European Union ^b	0.15	0.23	0.18	0.13	0.15	0.11	0.14	0.14
Other vegetable oils ^c	2.28	2.58	2.69	2.80	3.17	3.27	3.60	3.96
Total	36.19	39.30	42.82	47.87	49.08	53.67	55.80	58.04

^a Imports may not equal exports in any given period, as a result of lags in shipping time. ^b Regarded as 27 countries; excludes intra-EU trade. ^c Olive, palm kernel and peanut.

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

194 Selected oilseed, oilseed meal and vegetable oil import price quotations, by country ^a

	Canola ^b US\$/t	Palm oil ^c US\$/t	Soybeans ^d US\$/t	Soybean meal ^e US\$/t	Soybean oil ^f US\$/t
1974-75	na	na	249.0	163.0	616.0
1975-76	na	na	215.0	169.0	418.0
1976-77	na	na	288.0	237.0	570.0
1977-78	na	na	259.0	205.0	581.0
1978-79	na	na	295.0	238.0	655.0
1979-80	na	na	278.0	242.0	609.0
1980-81	308.0	na	310.0	273.0	545.0
1981-82	292.0	na	253.0	225.0	463.0
1982-83	303.0	406.0	260.0	224.0	463.0
1983-84	351.0	767.0	301.1	221.0	722.0
1984-85	303.0	569.0	223.0	155.0	625.0
1985-86	239.0	274.0	210.8	183.0	377.0
1986-87	180.0	310.0	208.7	191.0	324.0
1987-88	222.0	402.0	282.3	254.0	443.0
1988-89	218.5	357.7	292.3	262.8	435.0
1989-90	213.3	270.8	246.9	204.3	437.5
1990-91	199.3	317.6	241.4	198.3	454.4
1991-92	203.8	365.2	237.4	202.8	437.3
1992-93	234.1	382.3	246.2	207.3	453.3
1993-94	284.3	445.6	258.8	201.5	580.2
1994-95	288.9	659.7	247.6	183.6	641.8
1995-96	297.6	523.3	304.0	256.3	574.9
1996-97	284.4	525.1	304.0	277.7	535.6
1997-98	296.1	604.7	257.0	196.8	633.4
1998-99	227.3	484.0	209.0	149.7	482.9
1999-00	190.1	315.3	210.0	179.7	356.0
2000-01	202.0	243.8	200.9	187.9	335.9
2001-02	220.4	340.6	201.0	174.3	411.6
2002-03	284.0	420.0	244.8	191.0	537.0
2003-04	317.0	481.0	320.6	256.0	633.0
2004-05	262.0	392.0	274.5	212.0	545.0
2005-06	292.0	416.0	260.9	203.0	573.0
2006-07	375.0	654.0	335.4	264.0	771.0
2007-08	644.0	1 058.0	549.4	445.0	1 327.0
2008-09	393.0	633.0	420.8	385.0	826.0
2009-10	419.0	793.0	429.0	376.0	924.0

^a October-September average. ^b Cif Hamburg; Europe '00' rapeseed. ^c Malaysia fob; RBD. ^d Cif Rotterdam. ^e Cif Rotterdam; Arg. 44/45%. ^f Dutch fob; ex mill. ^{na} Not available.

Sources: ISTA mielke GmbH, Oil World Annual, Hamburg, Germany.

Pulses

195 Summary of Australian statistics for pulses

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Lupins									
Area	'000 ha	1 024.5	851.0	845.0	808.9	736.4	752.2	577.0	698.0
Yield	t/ha	0.7	1.4	1.1	1.6	0.6	0.9	1.2	1.2
Production	kt	725.5	1 180.0	937.0	1 285.0	470.3	661.9	708.0	823.0
Exports a	kt	207.5	645.6	418.5	469.5	173.7	76.2	157.1	360.8
Value of exports a	\$m	57.3	147.7	88.8	99.4	37.8	31.4	61.4	116.5
Average unit value	\$/t	291.5	235.7	205.9	195.4	265.6	334.6	279.8	228.0
Gross value of production	\$m	211.5	278.1	192.9	251.1	124.9	221.5	198.1	187.6
Field peas									
Area	'000 ha	380.0	354.0	413.0	365.7	383.8	292.5	299.8	285.1
Yield	t/ha	0.5	1.4	0.7	1.6	0.4	0.9	0.8	1.2
Production	kt	178.0	487.0	289.0	584.6	140.4	267.5	238.1	356.0
Exports ab	kt	107.6	209.3	116.1	156.1	247.7	142.0	118.1	167.3
Value of exports ab	\$m	43.0	55.6	33.4	43.2	80.1	60.8	62.5	62.4
Average unit value	\$/t	343.8	231.6	234.6	222.2	282.8	407.3	344.5	241.2
Gross value of production	\$m	61.2	112.8	67.8	129.9	39.7	109.0	82.0	85.9
Chickpeas									
Area	'000 ha	201.0	151.5	113.3	131.3	284.1	306.0	338.2	363.1
Yield	t/ha	0.7	1.2	1.0	1.1	0.8	1.0	1.3	1.2
Production	kt	136.0	178.0	115.6	149.7	229.2	313.0	442.5	444.9
Exports a	kt	88.5	163.8	151.2	211.4	244.1	218.3	466.8	454.7
Value of exports a	\$m	52.4	70.6	65.3	106.4	168.2	139.3	274.9	252.1
Average unit value	\$/t	477.8	326.7	310.3	460.6	658.7	621.6	450.0	435.5
Gross value of production	\$m	65.0	58.2	35.9	68.9	151.0	194.5	199.1	193.7
Total legumes c									
Area	'000 ha	2 034.3	1 700.1	1 764.0	1 741.6	1 871.7	1 677.9	1 524.4	1 647.4
Yield	t/ha	0.6	1.4	1.0	1.6	0.6	0.9	1.1	1.2
Production	kt	1 295.7	2 396.1	1 683.3	2 731.3	1 044.8	1 581.2	1 648.1	2 053.5
Exports ad	kt	947.6	2 041.7	1 328.7	1 706.9	1 146.7	692.2	1 118.1	1 578.7
Value of exports ad	\$m	348.2	588.0	397.1	533.0	483.9	415.2	662.2	774.7
Average unit value	\$/t	304.9	239.1	234.2	221.6	378.6	518.2	374.5	300.7
Gross value of production	\$m	395.0	572.8	394.2	605.4	395.6	819.4	617.3	617.5

a Exports are on a financial year basis. **b** Includes only field peas and cow peas. **c** Lupins, field peas, chickpeas, faba beans, mung beans, navy beans, veitch and lentils. **d** Also includes cow peas, pigeon peas and some other minor legumes on a financial year basis.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; Pulse Australia, Sydney; ABARE, *Australian Crop Report*, Canberra.

196 Australian area sown, yields and production of selected pulses, by state

		New South Wales	Victoria	Queensland	Western Australia	South Australia	Australia a
Lupins	Unit						
Area	'000 ha	69.0	28.0	0.0	667.0	86.0	851.0
2003-04	'000 ha	63.0	35.0	0.3	677.0	69.0	845.0
2004-05	'000 ha	36.6	27.1	0.1	672.3	72.4	808.9
2005-06	'000 ha	73.6	43.3	0.0	529.8	89.3	736.4
2006-07	'000 ha	80.2	48.3	0.8	546.1	76.5	752.2
2007-08	'000 ha	44.0	36.0	0.0	444.0	53.0	577.0
2008-09	'000 ha	103.0	35.0	0.0	506.0	53.0	698.0
Yield	t/ha	0.81	1.14	0.00	1.45	1.42	1.39
2003-04	t/ha	0.87	0.57	1.67	1.17	0.99	1.11
2004-05	t/ha	1.70	1.33	1.20	1.58	1.68	1.59
2005-06	t/ha	0.21	0.26	1.29	0.77	0.38	0.64
2006-07	t/ha	0.37	0.63	1.47	0.98	0.88	0.88
2007-08	t/ha	0.84	0.50	na	1.35	0.98	1.23
2008-09	t/ha	0.75	0.89	na	1.26	1.42	1.18
Production	kt	56.0	32.0	0.0	969.0	122.0	1 180.0
2003-04	kt	55.0	20.0	0.5	792.0	68.0	937.0
2004-05	kt	62.3	36.1	0.1	1 064.2	121.4	1 285.0
2005-06	kt	15.5	11.2	0.0	409.1	34.2	470.3
2006-07	kt	29.3	30.6	1.2	533.1	67.0	661.9
2007-08	kt	37.0	18.0	0.0	600.0	52.0	708.0
2008-09	kt	77.0	31.0	0.0	639.0	75.0	823.0
Field peas							
Area	'000 ha	22.0	110.0	0.0	65.0	157.0	354.0
2003-04	'000 ha	28.0	142.0	0.0	99.0	143.0	413.0
2004-05	'000 ha	37.3	98.8	0.9	84.7	143.2	365.7
2005-06	'000 ha	42.4	102.0	0.6	75.2	163.4	383.8
2006-07	'000 ha	45.5	67.0	0.0	50.0	130.0	292.5
2007-08	'000 ha	29.1	68.0	0.0	81.2	121.1	299.8
2008-09	'000 ha	46.1	52.0	0.0	60.0	127.0	285.1
Yield	t/ha	0.86	1.07	0.00	1.58	1.57	1.38
2003-04	t/ha	0.54	0.35	0.00	0.73	1.05	0.70
2004-05	t/ha	1.50	1.68	0.50	1.21	1.80	1.60
2005-06	t/ha	0.11	0.08	1.00	0.70	0.46	0.37
2006-07	t/ha	0.21	0.90	0.00	1.10	1.10	0.91
2007-08	t/ha	0.57	0.37	0.04	1.01	0.94	0.79
2008-09	t/ha	0.72	1.44	0.25	1.08	1.44	1.25
Production	kt	19.0	118.0	0.0	103.0	246.0	487.0
2003-04	kt	15.0	50.0	0.0	72.0	150.0	289.0
2004-05	kt	56.2	165.6	0.4	102.6	257.7	584.6
2005-06	kt	4.7	7.8	0.6	52.4	74.5	140.4
2006-07	kt	9.5	60.0	0.0	55.0	143.0	267.5
2007-08	kt	16.5	25.3	0.0	81.7	113.9	238.1
2008-09	kt	33.0	75.0	0.0	65.0	183.0	356.0

Continued

Pulses

196 Australian area sown, yields and production of selected pulses, by state continued

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Australia a
Chickpeas							
Area							
2003-04	'000 ha	61.0	5.5	76.0	6.0	3.0	151.5
2004-05	'000 ha	63.0	4.0	41.0	4.0	1.3	113.3
2005-06	'000 ha	62.4	24.3	39.2	3.8	1.6	131.3
2006-07	'000 ha	176.1	42.4	60.4	1.7	3.4	284.1
2007-08	'000 ha	214.5	17.0	66.0	0.8	7.7	306.0
2008-09	'000 ha	199.3	44.0	85.5	3.3	6.1	338.2
2009-10	'000 ha	213.2	20.5	114.0	1.9	13.5	363.1
Yield							
2003-04	t/ha	1.20	1.09	1.20	0.83	1.00	1.17
2004-05	t/ha	1.37	1.00	0.51	0.88	0.88	1.02
2005-06	t/ha	1.17	1.29	1.01	0.92	1.39	1.14
2006-07	t/ha	0.91	0.13	1.00	0.89	0.33	0.81
2007-08	t/ha	0.94	1.12	1.26	0.25	1.20	1.02
2008-09	t/ha	1.46	0.38	1.47	1.18	0.65	1.31
2009-10	t/ha	1.26	0.93	1.21	1.58	1.15	1.23
Production							
2003-04	kt	73.0	6.0	91.0	5.0	3.0	178.0
2004-05	kt	86.0	4.0	21.0	3.5	1.1	115.6
2005-06	kt	72.9	31.4	39.7	3.5	2.2	149.7
2006-07	kt	160.5	5.5	60.6	1.5	1.1	229.2
2007-08	kt	201.5	19.0	83.0	0.2	9.3	313.0
2008-09	kt	291.8	16.9	126.0	4.0	3.9	442.5
2009-10	kt	268.9	19.0	138.5	3.0	15.5	444.9
Faba beans							
Area							
2003-04	'000 ha	15.0	50.0	0.0	7.0	83.0	155.0
2004-05	'000 ha	40.0	60.0	0.0	7.5	87.0	194.5
2005-06	'000 ha	33.0	55.0	0.0	6.0	89.0	183.0
2006-07	'000 ha	38.1	61.2	1.6	4.8	80.5	186.6
2007-08	'000 ha	9.5	34.0	0.0	2.0	87.0	132.5
2008-09	'000 ha	28.9	36.3	0.0	2.3	57.6	125.3
2009-10	'000 ha	44.5	22.0	2.0	3.5	57.0	129.0
Yield							
2003-04	t/ha	1.13	1.80	0.00	1.43	1.93	1.79
2004-05	t/ha	1.75	0.33	0.00	1.00	0.80	0.86
2005-06	t/ha	2.12	1.38	0.00	1.33	1.97	1.80
2006-07	t/ha	1.43	0.08	1.54	0.55	0.52	0.57
2007-08	t/ha	0.89	0.94	0.00	1.25	1.09	1.04
2008-09	t/ha	1.21	0.75	0.00	1.53	1.19	1.08
2009-10	t/ha	1.46	1.59	1.25	1.43	1.93	1.68
Production							
2003-04	kt	17.0	90.0	0.0	10.0	160.0	277.0
2004-05	kt	70.0	20.0	0.0	7.5	70.0	167.5
2005-06	kt	70.0	76.0	0.0	8.0	175.0	329.0
2006-07	kt	54.3	5.0	2.4	2.6	41.8	107.0
2007-08	kt	8.5	32.0	0.0	2.5	95.0	138.0
2008-09	kt	35.1	27.1	0.0	3.6	68.5	134.7
2009-10	kt	64.8	35.0	2.5	5.0	110.0	217.3

Continued

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Australian area sown, yields and production of selected pulses, by state continued

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Australia ^a
Mung beans							
Area							
2003-04	'000 ha	18.0	0.0	26.0	0.0	0.0	44.1
2004-05	'000 ha	25.0	0.0	25.0	0.0	0.0	49.8
2005-06	'000 ha	18.0	0.2	25.8	0.0	0.0	44.0
2006-07	'000 ha	3.2	26.9	13.9	0.0	0.2	44.3
2007-08	'000 ha	19.8	0.0	25.2	0.0	0.0	45.0
2008-09	'000 ha	8.5	0.0	36.2	0.0	0.1	44.8
2009-10	'000 ha	19.1	0.2	25.7	0.0	0.0	44.9
Yield							
2003-04	t/ha	1.11	0.00	1.05	0.00	0.00	1.07
2004-05	t/ha	0.87	0.00	1.25	0.00	0.00	1.07
2005-06	t/ha	1.09	0.00	1.10	0.00	0.00	1.09
2006-07	t/ha	1.14	0.62	0.59	0.00	0.25	0.65
2007-08	t/ha	0.93	0.00	1.07	0.00	0.00	1.01
2008-09	t/ha	1.00	0.00	0.85	0.00	0.89	0.88
2009-10	t/ha	1.08	0.00	1.19	0.00	0.00	0.97
Production							
2003-04	kt	20.0	0.0	27.3	0.0	0.0	47.3
2004-05	kt	21.7	0.0	31.2	0.0	0.0	53.2
2005-06	kt	19.6	0.0	28.5	0.0	0.0	48.1
2006-07	kt	3.7	16.6	8.2	0.0	0.1	28.6
2007-08	kt	18.4	0.0	27.0	0.0	0.0	45.5
2008-09	kt	8.5	0.0	30.8	0.0	0.1	39.5
2009-10	kt	20.6	0.0	30.5	0.0	0.0	43.5
Total pulses ^b							
Area							
2003-04	'000 ha	187.5	256.0	102.0	748.5	405.0	1 700.1
2004-05	'000 ha	223.0	303.5	66.3	791.5	378.3	1 764.0
2005-06	'000 ha	190.4	323.1	66.2	778.1	382.4	1 741.6
2006-07	'000 ha	334.4	405.6	76.4	615.6	438.5	1 871.7
2007-08	'000 ha	370.4	240.3	92.0	600.4	374.6	1 677.9
2008-09	'000 ha	310.9	262.9	121.7	533.1	303.2	1 524.4
2009-10	'000 ha	426.9	189.2	141.7	573.3	323.1	1 647.4
Yield							
2003-04	t/ha	1.01	1.33	1.16	1.46	1.61	1.41
2004-05	t/ha	1.13	0.45	0.79	1.11	0.95	0.95
2005-06	t/ha	1.50	1.53	1.04	1.53	1.81	1.57
2006-07	t/ha	0.72	0.15	0.94	0.76	0.45	0.56
2007-08	t/ha	0.72	0.87	1.21	0.99	1.06	0.94
2008-09	t/ha	1.25	0.44	1.29	1.30	0.96	1.08
2009-10	t/ha	1.09	1.20	1.21	1.25	1.59	1.25
Production							
2003-04	kt	188.6	341.2	118.3	1 094.7	651.2	2 396.1
2004-05	kt	251.7	136.0	52.7	880.0	359.1	1 683.3
2005-06	kt	284.7	493.2	68.8	1 191.2	690.4	2 731.3
2006-07	kt	240.1	62.9	71.8	470.5	197.9	1 044.8
2007-08	kt	268.2	210.0	111.3	592.5	398.5	1 581.2
2008-09	kt	389.8	116.8	156.9	690.9	291.1	1 648.1
2009-10	kt	466.5	226.4	171.5	716.2	514.0	2 053.5

^a Includes data for Tasmania and the Northern Territory. ^b Lupins, field peas, chickpeas, faba beans, mung beans, vetch and lentils.Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Queensland*, cat. no. 7321.3, Brisbane; ABS, *Summary of Crops, Australia*, cat. no. 7330, Canberra; Pulse Australia, Sydney; ABARES, *Australian Crop Report*, Canberra.

197 World pulses production, by region and country

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt	2009 kt
Africa								
Ethiopia	1 088	983	1 318	1 320	1 374	1 573	1 774	1 919
Niger	650	571	362	608	727	1 037	1 593	1 593
Nigeria	2 361	2 509	2 681	2 865	3 091	2 853	2 969	2 969
Tanzania	841	962	931	998	1 108	1 109	1 109	1 109
Uganda	695	693	626	652	602	618	628	647
Americas								
Brazil	3 082	3 321	2 992	3 040	3 477	3 189	3 486	3 548
Canada	2 191	2 840	4 298	4 590	3 764	4 181	4 959	5 196
Mexico	1 919	1 699	1 394	1 098	1 691	1 292	1 413	1 339
United States	1 753	1 394	1 553	2 141	1 923	2 139	1 880	2 267
Asia								
China	5 915	5 892	4 925	5 234	4 546	4 483	4 897	4 229
India	12 934	12 737	13 545	12 876	13 999	15 088	14 245	13 730
Myanmar	2 396	2 671	2 778	3 125	3 550	3 551	3 551	3 551
Pakistan	717	1 066	956	1 171	825	1 246	845	1 070
Europe								
France	2 033	1 943	2 091	1 754	1 354	877	791	921
Russian Federation	1 808	1 666	1 887	1 645	1 769	1 302	1 812	1 547
Ukraine	810	571	812	758	747	357	550	624
United Kingdom	924	934	876	866	795	745	863	424
Middle East								
Turkey	1 640	1 558	1 584	1 565	1 606	1 385	960	1 066
Oceania								
Australia ^a	2 674	1 296	2 396	1 683	2 731	1 045	1 581	1 648
Total ^b	58 889	58 125	60 461	60 109	62 351	60 093	61 374	61 349

^a On a fiscal year basis; for example, 1992–93 = 1993. ^b Includes some unspecified countries. ^{na} Not available.

Sources: ABARE, *Australian Crop Report*, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; UN FAO, *Production Yearbook*, Rome; FAOSTAT database, UN FAO.

198 Volume of world pulses trade, by region and country

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt
Imports							
Africa							
Algeria	167.2	172.8	157.7	196.9	163.6	187.9	173.0
Egypt	413.7	393.0	433.0	533.0	571.0	417.8	434.7
South Africa	69.9	122.9	77.4	74.6	97.4	118.4	103.8
Sudan	31.5	53.4	59.3	104.3	116.7	103.5	121.6
Americas							
Brazil	115.7	137.5	113.5	138.4	112.3	143.7	264.1
Colombia	155.2	119.9	127.2	148.6	140.1	154.4	123.7
Cuba	114.3	213.9	217.4	213.5	245.4	236.2	176.8
Mexico	150.6	129.4	109.4	127.1	184.5	147.0	142.9
United States	255.1	249.9	255.0	252.4	262.7	272.3	279.1
Venezuela	93.2	142.4	121.5	70.4	100.3	123.7	82.5
Asia							
China	195.9	138.7	163.0	341.6	438.6	365.7	392.7
India	2 165.3	1 953.9	1 471.9	1 870.0	2 490.6	2 951.8	2 593.7
Japan	157.6	158.9	162.2	141.7	144.1	146.7	143.6
Pakistan	460.4	394.4	261.4	364.0	478.7	520.9	336.0
Sri Lanka	156.9	144.9	159.3	141.0	127.1	154.5	167.2
Europe							
France	124.6	121.2	100.1	101.3	100.5	125.8	115.9
Belgium	252.8	284.4	406.1	431.8	382.5	212.9	154.5
Italy	429.3	436.9	420.8	430.7	449.7	290.6	275.8
Netherlands	194.3	324.0	262.0	253.7	209.0	149.8	93.8
Spain	431.8	419.3	939.5	1 256.7	877.2	247.5	199.3
United Kingdom	182.3	184.8	170.5	194.6	210.2	237.1	276.7
Middle East							
United Arab Emirates	140.3	105.9	86.5	90.9	228.8	215.7	316.0
Total a	8 752.2	8 912.6	8 780.3	10 127.5	10 657.6	10 493.0	9 861.6

Continued

198 Volume of world pulses trade, by region and country continued

	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt	2007 kt	2008 kt
Exports							
Americas							
Argentina	253.5	230.0	183.4	219.0	293.8	322.0	272.6
Canada	1 413.4	1 777.2	2 330.0	3 260.1	3 437.5	3 509.6	3 125.9
Mexico	155.6	158.6	102.3	102.7	155.9	113.4	113.1
United States	552.1	562.1	559.1	825.8	948.1	949.1	1 117.6
Asia							
China	860.8	1 041.5	795.8	868.3	801.9	860.1	1 031.7
Myanmar	1 147.0	1 073.6	902.8	357.1	706.2	630.9	758.0
India	151.9	157.4	256.5	451.6	255.1	170.6	136.8
Europe							
Belgium	56.5	46.4	60.4	62.4	62.1	98.6	129.9
France	986.0	747.2	773.6	656.7	696.6	555.7	490.2
United Kingdom	303.3	498.0	422.1	375.8	301.8	216.3	232.7
Ukraine	183.0	44.3	175.9	179.4	271.3	82.2	77.6
Middle East							
Turkey	244.6	449.5	323.7	245.6	410.7	258.3	165.2
Oceania							
Australia b	2 134.7	947.6	2 041.7	1 328.7	1 706.9	1 146.7	692.2
New Zealand	18.9	22.2	19.5	19.5	18.3	15.9	13.4
Total a	8 825.1	8 488.3	9 538.5	10 650.6	9 881.0	10 660.3	9 677.3

a Includes some unspecified countries. b On a fiscal year basis; for example 1992-93 = 1993. na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; FAOSTAT database, UN FAO.

199 Summary of Australian statistics for rice ^a

Area	Yield ^b '000 ha	Production		Exports		Apparent consumption ^f kt	
		Volume ^b t/ha	Unit value ^c kt	Volume ^d \$/t	Unit value ^e kt		
1969-70	40.2	6.1	247.0	58.8	120.7	141.7	30.2
1970-71	40.7	7.4	299.8	45.8	95.9	137.6	32.6
1971-72	40.5	6.1	248.4	48.1	169.3	114.6	33.1
1972-73	45.2	6.8	308.6	81.0	152.0	139.5	29.0
1973-74	67.5	6.1	408.8	123.4	124.8	229.2	27.4
1974-75	75.6	5.1	386.7	92.8	159.8	268.5	32.2
1975-76	74.8	5.6	417.0	98.8	215.2	238.8	33.5
1976-77	92.0	5.8	529.8	112.0	254.4	224.4	33.3
1977-78	91.4	5.4	490.3	124.6	273.2	241.9	34.8
1978-79	110.2	6.3	692.2	141.2	239.4	276.1	35.5
1979-80	116.4	5.3	613.1	153.0	449.6	288.9	37.1
1980-81	98.7	7.7	757.4	182.5	276.0	362.3	43.0
1981-82	105.0	8.1	853.6	121.2	558.0	349.5	43.9
1982-83	89.8	5.8	519.8	170.1	384.0	312.5	46.3
1983-84	127.4	5.0	634.2	140.2	241.0	381.7	50.5
1984-85	127.1	6.8	864.1	142.5	327.0	357.8	57.1
1985-86	136.0	5.1	687.5	117.1	464.6	398.2	58.6
1986-87	132.8	4.1	549.1	154.8	394.0	352.8	60.0
1987-88	153.3	5.0	761.1	152.0	314.6	391.0	80.2
1988-89	97.0	8.3	805.0	182.1	160.6	452.5	89.4
1989-90	105.0	8.8	924.0	152.6	149.8	486.7	97.6
1990-91	89.0	8.8	787.0	176.0	223.5	427.4	103.0
1991-92	127.0	8.8	1 122.0	164.0	449.3	461.6	90.6
1992-93	125.0	7.6	955.0	172.0	484.5	477.6	86.9
1993-94	132.7	8.2	1 082.2	241.6	533.8	506.5	98.7
1994-95	129.2	8.8	1 133.9	190.6	584.4	585.4	108.5
1995-96	149.7	6.4	951.2	237.6	606.0	554.9	118.2
1996-97	167.7	8.3	1 388.8	223.4	520.3	559.9	133.7
1997-98	142.3	9.4	1 330.9	255.9	680.9	582.8	135.5
1998-99	152.7	9.1	1 389.8	259.4	581.9	667.5	133.0
1999-00	134.7	8.1	1 096.0	263.9	672.1	616.4	136.4
2000-01	177.0	9.3	1 643.0	213.2	601.8	636.4	130.8
2001-02	151.0	8.5	1 288.0	253.7	580.3	583.9	139.1
2002-03	47.0	9.4	441.0	345.8	664.4	644.8	147.3
2003-04	66.0	8.4	553.0	325.1	216.5	620.4	155.5
2004-05	48.4	7.0	339.0	296.8	298.8	634.6	163.7
2005-06	102.0	9.8	1 002.6	283.3	167.3	653.2	171.9
2006-07	20.0	8.2	163.0	346.0	598.2	698.4	197.4
2007-08	2.2	8.2	17.6	414.4	92.3	876.7	207.4
2008-09	8.0	8.2	65.2	528.1	22.7	958.8	201.3
2009-10	19.0	10.8	206.0	525.8	67.9	942.7	210.6

^a Based on rice industry figures calculated on a crop year basis. For example, the 1985-86 data are for the Queensland summer crop harvested from December 1985, the New South Wales crop harvested from April 1986, and the Queensland winter crop harvested from June 1986. ^b Paddy. ^c Unit gross value of production. ^d Based on ABS data; April–March marketing year basis; generally exports of the crop harvested in the previous year – that is, 1998-99 exports are sourced from the 1997-98 crop harvest. Milled. Includes ABARE estimates from 2000 as confidentiality restrictions apply. ^e Unit gross value of exports. Between 1952-53 and 1987-88, calculated from financial year total export values. From 1988-89, calculated from marketing year (April–March) total export values. ^f Table rice until 1999-00. Excludes rice used for feed, breakfast cereals and rice used for other purposes; includes imports. Financial year basis. From 1999-00 ABARE estimate of apparent consumption.

Sources: ABS, Apparent Consumption of Foodstuffs and Nutrients Australia, cat. no. 4306.0, Canberra; ABS, International Trade, Australia, cat. no. 5465.0, Canberra; ABS, Value of Australian Commodities Produced, cat. no. 7503.0, Canberra; ABS, Agricultural Commodities, cat. no. 7121.0, Canberra; Ricegrowers Limited, Annual Report, Leeton; Rice Marketing Board for the State of New South Wales, Annual Report, Leeton; ABARES.

200 Australian rice trade and payments to growers

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Exports ^a									
Quantity	kt	664	216	299	167	598	92	23	68
Total export value ^b	\$m	428	134	190	109	418	81	22	64
Imports ^{ac}									
Quantity	kt	61	80	91	103	107	141	171	201
Total import value	\$m	46	56	59	69	78	106	201	226
Indicator price									
Thai white rice ^d	US\$/t	199.42	220.33	278.33	301.42	320.17	551.25	608.50	531.92
Thai white rice ^e	A\$/t	341.10	309.49	370.19	404.28	408.09	615.31	813.76	601.99
Average returns to growers ^f									
Avg. medium grain return	\$/t	243.7	313.1	279.5	284.1	265.0	404.0	450.0	550.0

^a Milled equivalent; marketing year (April–March) basis. Includes ABARE estimates from 2000 as confidentiality restrictions apply. ^b Free on board (fob). ^c Excludes broken rice. ^d US Department of Agriculture sourced nominal quote for Thai white rice, 100 per cent, grade B/2nd grade, fob Bangkok (August–July basis). ^e Derived. ^f For paddy rice from harvest in year indicated. Returns to New South Wales and Queensland growers include bonuses paid by respective rice growers cooperatives. For New South Wales growers, returns take into account a deduction for grower equity in storage facilities made by the Rice Marketing Board, New South Wales.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Queensland Rice Marketing Board, *Annual Report*, Home Hill; Rice Marketing Board, New South Wales, *Annual Report*, Leeton; Ricegrowers Co-operative Mills Ltd; US Department of Agriculture, *Rice News*, Little Rock, Arkansas; Sunrice, *Annual Report*; ABARES.

201 Summary of world statistics for rice ^a

	Area harvested million ha	Production ^b Mt	Total use Mt	Closing stocks ^{bc} Mt	Stocks to use ratio %	Trade ^d Mt	Export price ^e US\$/t
1967-68	127	189	186	21	11	7	220.17
1968-69	129	195	192	25	13	7	186.75
1969-70	131	201	199	26	13	8	161.33
1970-71	133	213	211	29	14	9	131.83
1971-72	135	216	217	28	13	9	134.17
1972-73	133	209	213	24	11	8	187.12 ^f
1973-74	136	228	223	29	13	8	593.51 ^g
1974-75	138	226	226	28	12	7	439.12
1975-76	143	243	232	39	17	8	302.84
1976-77	141	236	237	38	16	10	274.66
1977-78	143	251	244	44	18	10	360.92
1978-79	144	262	252	54	21	12	339.83
1979-80	141	257	257	54	21	12	409.83
1980-81	144	270	275	53	19	12	492.58
1981-82	144	278	283	51	18	11	379.83
1982-83	141	285	285	57	20	11	280.42
1983-84	145	307	303	69	23	12	278.33
1984-85	144	317	309	88	28	11	211.29
1985-86	145	318	319	98	31	12	191.13
1986-87	145	316	320	103	32	13	189.66
1987-88	142	315	321	105	33	11	272.63
1988-89	146	331	327	111	34	14	292.44
1989-90	147	344	338	119	35	12	292.06
1990-91	147	351	343	127	37	12	296.09
1991-92	147	353	351	127	36	14	287.30
1992-93	147	354	356	123	35	15	244.25
1993-94	145	355	360	119	33	17	293.98
1994-95	147	364	364	118	33	21	289.76
1995-96	148	369	366	118	32	20	362.42
1996-97	150	381	376	121	32	19	337.83
1997-98	151	387	377	128	34	28	302.25
1998-99	153	395	388	134	35	25	283.75
1999-00	155	409	396	145	37	23	230.58
2000-01	152	399	394	147	37	28	230.58
2001-02	151	400	413	133	32	28	191.67
2002-03	146	379	406	103	25	27	199.42
2003-04	149	392	412	81	20	29	220.33
2004-05	151	402	407	73	18	29	278.33
2005-06	153	418	413	76	18	32	301.42
2006-07	154	421	418	75	18	30	320.17
2007-08	155	434	426	81	19	29	551.25
2008-09	158	448	435	92	21	30	608.50
2009-10	155	443	435	95	22	30	531.92

^a Based on US Department of Agriculture data. ^b Milled. ^c Closing stocks data are based on an aggregate of different local marketing years and should not be taken as representing world stock levels at a particular point in time. Stocks data do not include some major stockholders - for example, China and Burma - for which official information is not available. ^d Calendar year basis, 1960-61 = 1961; includes intra-EU trade. ^e Thai white rice, 100 per cent, 2nd grade/grade B, fob Bangkok (August-July basis). From 1960-61 to 1983-84, prices are quoted from Thailand Board of Trade. From 1984-85, prices are nominal quotes from the US Department of Agriculture. ^f August-March average. ^g January-July average.

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *Rice Market News*, Arkansas; US Department of Agriculture, *Rice Outlook*, [<http://www.ers.usda.gov/Briefing/Rice/marketoutlook.html/>]; ABARES.

202 World rice production, by country or region ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Australia	0.4	0.6	0.3	1.0	0.2	0.0	0.1	0.2
Bangladesh	37.8	39.2	38.4	43.1	43.5	43.2	46.5	46.5
Brazil	10.4	12.8	13.2	11.6	11.3	12.1	12.6	11.3
China	174.5	160.7	179.1	180.6	181.7	186.0	191.9	195.1
European Union ^b	2.7	2.7	2.9	2.7	2.6	2.7	2.5	3.1
India	107.7	132.8	124.7	137.7	140.0	145.1	148.8	133.7
Indonesia	51.8	54.3	54.0	54.2	54.7	57.4	59.4	57.5
Japan	11.1	9.7	10.9	11.3	10.7	10.9	11.0	10.6
Korea, Rep. of	6.7	6.2	6.7	6.4	6.3	6.0	6.5	6.6
Myanmar	18.6	18.5	16.5	18.0	18.3	18.5	17.5	18.3
Pakistan	6.7	7.3	7.5	8.3	8.2	8.6	10.4	10.2
Philippines	13.0	14.2	14.5	15.1	15.5	16.6	17.1	15.5
Thailand	26.1	27.3	26.3	27.6	27.7	30.0	30.1	30.7
United States	9.6	9.1	10.5	10.1	8.8	9.0	9.2	10.0
Vietnam	32.6	33.5	34.4	34.5	34.7	36.9	38.9	39.3
World	564.2	586.0	597.5	623.9	627.1	647.2	670.5	659.9

^a Crop year (paddy basis).^b Regarded as 27 countries.Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; ABARES.

203 Volume of world rice trade, by country ^a

	2002 Mt	2003 Mt	2004 Mt	2005 Mt	2006 Mt	2007 Mt	2008 Mt	2009 Mt
Imports								
Bangladesh	1.11	0.80	0.79	0.53	1.57	1.66	0.15	0.75
Brazil	1.31	0.83	0.55	0.69	0.68	0.42	0.65	0.80
China	0.26	1.12	0.61	0.65	0.47	0.30	0.34	0.30
European Union ^b	1.04	1.18	1.09	1.22	1.34	1.52	1.38	1.20
India	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Indonesia	2.75	0.65	0.50	0.54	2.00	0.35	0.25	0.80
Iran	0.90	0.95	1.20	1.50	1.50	1.55	1.47	1.15
Iraq	0.67	0.89	0.79	1.31	0.61	0.98	1.09	1.10
Japan	0.65	0.71	0.79	0.68	0.64	0.55	0.75	0.70
Malaysia	0.50	0.70	0.75	0.89	0.80	1.04	1.07	1.02
Nigeria	1.45	1.37	1.78	1.60	1.55	1.80	2.00	1.70
Philippines	1.30	1.10	1.89	1.79	1.90	2.50	2.00	2.60
Russian Federation	0.39	0.35	0.35	0.36	0.22	0.24	0.23	0.17
Saudi Arabia	1.15	1.50	1.36	0.96	0.96	1.17	1.10	1.10
World ^c	27.55	27.23	28.95	29.10	31.85	29.75	29.22	29.53
Exports								
Australia	0.63	0.35	0.28	0.20	0.48	0.24	0.04	0.06
China	2.58	0.88	0.66	1.22	1.34	0.97	0.78	0.60
European Union ^b	0.22	0.19	0.20	0.14	0.14	0.16	0.15	0.23
India	4.42	3.17	4.69	4.54	6.30	3.38	2.12	2.20
Myanmar	0.39	0.13	0.19	0.05	0.03	0.54	1.05	0.37
Pakistan	1.96	1.99	3.03	3.58	2.70	3.05	3.19	3.80
Thailand	7.55	10.14	7.27	7.38	9.56	10.01	8.57	8.50
United States	3.79	3.05	3.84	3.26	3.00	3.22	2.98	3.53
Vietnam	3.80	4.30	5.17	4.71	4.52	4.65	5.95	6.20
World ^c	27.55	27.23	28.95	29.10	31.85	29.75	29.22	29.53

^a Milled basis. ^b Regarded as 27 countries. Includes intra-EU trade. ^c Includes intra-EU trade.

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra; US Department of Agriculture, Production, Supply and Distribution Database, Washington DC; ABARES.

204 US rice supply and disposal ^a

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Area harvested	million ha	1.30	1.21	1.35	1.36	1.14	1.11	1.20	1.26
Yield	t/ha	7.36	7.48	7.83	7.43	7.73	8.09	7.68	7.94
Opening stocks ^b	Mt	1.22	0.83	0.74	1.19	1.34	1.23	0.92	0.96
Production ^b	Mt	6.54	6.42	7.28	6.91	6.09	6.15	6.40	6.92
Total supply ^c	Mt	8.22	7.73	8.45	8.64	8.08	8.14	7.93	8.48
Exports	Mt	5.65	4.67	5.01	5.30	4.18	4.84	4.34	5.00
Long grain	Mt	4.51	3.66	3.85	4.24	3.32	3.65	3.12	3.42
Medium-short grain	Mt	1.14	1.01	1.16	1.05	0.87	1.19	1.22	1.58
Domestic and residual use ^b	Mt	3.53	3.55	3.80	3.68	3.96	3.92	3.96	3.86
Total use	Mt	10.80	9.88	10.50	10.64	9.93	10.53	10.07	10.70
Target price ^d	US\$/t	231	231	231	231	231	231	231	231
Statutory loan rate	US\$/t	143	143	143	143	143	143	143	143
Farm price	US\$/t	99	178	162	169	220	282	370	309

^a August–July marketing year. ^b Milled basis. ^c Includes imports. ^d Authorised under the Food Security and Rural Investment Act of 2002.

Sources: US Department of Agriculture, *Rice Outlook*, Washington DC; US Department of Agriculture, *Rice Situation and Outlook Report*, Washington DC; US Department of Agriculture, *World Grain Situation and Outlook: Foreign Agriculture Circular*, Washington DC; ABARES.

205 Rice export price quotations, by country ^a

	Thailand Nominal price quote-US ^b	Arkansas ^c	California ^d
	US\$/t	US\$/t	US\$/t
1984-85	211.29	397.45	336.20
1985-86	191.13	355.77	345.46
1986-87	189.66	259.68	286.41
1987-88	272.63	441.47	371.11
1988-89	292.44	344.65	368.26
1989-90	292.06	354.85	357.51
1990-91	296.09	344.84	354.67
1991-92	287.30	368.17	396.09
1992-93	244.25	312.04	395.17
1993-94	293.98	442.48	486.35
1994-95	289.76	317.91	391.51
1995-96	362.42	420.07	464.80
1996-97	337.83	458.22	432.27
1997-98	302.25	419.83	412.52
1998-99	283.75	373.83	483.96
1999-00	230.58	283.06	474.55
2000-01	184.17	280.28	338.09
2001-02	191.67	220.16	293.60
2002-03	199.42	221.83	326.83
2003-04	220.33	359.83	532.83
2004-05	278.33	312.17	404.42
2005-06	301.42	334.00	484.17
2006-07	320.17	407.42	537.83
2007-08	551.25	620.50	693.83
2008-09	608.50	610.30	1 118.67
2009-10	531.92	506.15	790.94
2009			
January	598.00	592.00	1 102.00
February	615.00	562.00	1 075.00
March	615.00	513.00	1 123.00
April	572.00	534.00	1 208.00
May	547.00	513.00	1 202.00
June	592.00	501.55	1 150.00
July	602.00	502.00	1 067.00
August	553.00	527.73	948.00
September	544.00	522.00	895.00
October	513.00	493.00	849.00
November	550.00	526.00	816.00
December	605.00	557.00	794.00
2010			
January	596.00	547.00	772.00
February	576.00	562.00	772.00
March	538.00	509.00	732.00
April	502.00	486.39	727.52
May	478.00	466.00	719.26
June	463.00	450.57	738.55

^a Key prices from major markets (August–July years) that are used as world indicators. ^b Thai white rice, 100 per cent 2nd grade, fob Bangkok, nominal price quote, USDA. Prior to 1984–85 quoted from Thailand Board of Trade. ^c US no. 2 long grain milled. ^d US no.1 medium grain milled.

Sources: US Department of Agriculture, *Rice Market News*, Little Rock, Arkansas; US Department of Agriculture, *Rice Outlook*; (<http://www.ers.usda.gov>); ABARES.

206 Rice supply and disposal in major exporting countries ^a

	Area harvested million ha	Yield t/ha	Production ^b Mt	Domestic use Mt	Exports ^c Mt	Closing stocks ^d Mt
China						
2004-05	26.51	6.06	160.66	132.10	0.66	43.92
2005-06	28.38	6.31	179.09	130.30	1.22	38.93
2006-07	28.85	6.26	180.59	128.00	1.34	36.78
2007-08	28.94	6.28	181.71	127.20	0.97	35.92
2008-09	28.92	6.41	185.50	127.45	0.80	38.02
2009-10	29.40	6.53	191.90	129.30	0.80	38.90
Viet Nam						
2004-05	7.47	4.48	33.46	18.23	5.17	1.03
2005-06	7.45	4.62	34.42	17.60	4.71	1.29
2006-07	7.31	4.72	34.50	18.39	4.52	1.32
2007-08	7.20	4.82	34.73	18.78	4.65	1.39
2008-09	7.41	4.98	36.93	19.40	5.70	2.02
2009-10	7.39	5.01	37.02	19.15	5.70	1.96
Pakistan						
2004-05	2.46	2.96	7.27	2.60	3.03	0.64
2005-06	2.52	2.99	7.54	2.55	3.58	0.31
2006-07	2.62	3.18	8.32	1.90	2.70	0.30
2007-08	2.58	3.18	8.18	2.21	3.00	0.70
2008-09	2.55	3.35	8.55	2.45	3.00	0.70
2009-10	2.90	3.26	9.45	3.40	3.00	1.20
Thailand						
2004-05	10.32	2.64	27.29	9.47	7.27	1.71
2005-06	10.00	2.63	26.30	9.48	7.38	2.31
2006-07	10.22	2.70	27.58	9.54	9.56	3.59
2007-08	10.27	2.69	27.65	9.78	10.01	2.51
2008-09	10.60	2.76	29.24	9.60	8.50	2.71
2009-10	10.68	2.75	29.39	10.29	8.50	4.79
United States						
2004-05	1.21	7.50	9.07	3.66	3.86	0.74
2005-06	1.35	7.81	10.54	3.93	3.31	1.19
2006-07	1.36	7.43	10.11	3.83	3.03	1.34
2007-08	1.14	7.73	8.83	4.10	3.27	1.23
2008-09	1.11	8.09	9.00	4.08	3.10	0.92
2009-10	1.20	7.68	9.24	4.10	3.10	0.96
World						
2004-05	151.33	3.95	597.50	407.04	28.95	80.94
2005-06	153.40	4.07	623.87	412.60	29.10	73.11
2006-07	154.21	4.07	627.13	418.11	31.85	75.96
2007-08	155.06	4.17	647.19	426.23	29.75	74.99
2008-09	157.83	4.25	670.50	435.31	29.22	80.63
2009-10	155.15	4.25	659.89	435.30	29.53	91.66

^a Simple aggregation of different crop years. The marketing period in each country is: United States, August–July; Thailand, August–July; China, December–November; Pakistan, October–September; Vietnam, July–June. ^b Paddy. ^c On a calendar year basis: 1999–00–2000; includes intra-EU trade. ^d Closing stocks are based on an aggregate of different local marketing years and should not be taken as representing world stock levels at a particular point in time.

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *World Grain Situation and Outlook: Foreign Agriculture Circular*, Washington DC; US Department of Agriculture, *World Agricultural Production*, Washington DC; ABARES.

207 Summary of Australian statistics for sugar

	Area harvested '000 ha	Cane crushed kt	Sugar production ^a kt	No. 1 pool price \$/t	Exports kt
1964-65	190	15 312	1 921	96.8	na
1965-66	204	14 382	1 924	85.7	na
1966-67	226	16 953	2 307	76.0	na
1967-68	224	17 025	2 300	83.1	na
1968-69	230	18 708	2 684	88.2	na
1969-70	213	15 784	2 146	100.3	na
1970-71	221	17 645	2 448	102.8	na
1971-72	234	19 391	2 708	111.8	na
1972-73	242	18 928	2 732	118.7	na
1973-74	226	19 278	2 449	129.9	na
1974-75	253	20 418	2 761	252.7	na
1975-76	257	21 959	2 769	232.2	na
1976-77	288	23 344	3 194	214.1	na
1977-78	295	23 493	3 240	196.4	na
1978-79	252	21 457	2 812	213.2	na
1979-80	267	21 151	2 871	281.7	na
1980-81	288	23 976	3 227	376.0	na
1981-82	316	25 094	3 329	275.0	na
1982-83	318	24 817	3 428	223.0	na
1983-84	307	24 190	3 073	259.0	na
1984-85	313	25 512	3 439	226.0	na
1985-86	304	24 414	3 275	223.3	na
1986-87	310	25 413	3 268	275.0	na
1987-88	317	25 669	3 334	287.0	na
1988-89	313	28 073	3 566	333.0	2 824
1989-90	332	27 622	3 681	370.0	2 799
1990-91	339	25 200	3 407	341.0	2 649
1991-92	341	21 367	3 016	303.4	2 276
1992-93	339	29 461	4 133	301.0	3 127
1993-94	340	32 008	4 234	345.0	3 415
1994-95	365	34 943	4 931	382.0	4 111
1995-96	377	35 889	4 837	371.0	3 979
1996-97	390	38 633	5 301	335.0	4 309
1997-98	415	39 531	5 567	335.0	4 670
1998-99	402	38 534	4 998	352.0	4 098
1999-00	428	38 165	5 448	255.0	4 131
2000-01	403	28 117	4 162	253.0	3 087
2001-02	426	31 424	4 987	331.6	3 644
2002-03	448	36 995	5 398	276.7	4 167
2003-04	448	36 993	5 045	231.9	4 060
2004-05	434	37 822	5 234	255.8	4 271
2005-06	398	37 128	5 063	322.2	4 067
2006-07	409	36 397	5 026	368.0	3 719
2007-08	381	32 621	4 763	275.8	3 493
2008-09	391	31 457	4 634	333.6	3 268
2009-10	386	31 027	4 519	508.8	3 249

^a Raw tonnes actual.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; Australian Sugar Milling Council, *Annual Review*, Brisbane; Queensland Sugar Limited, *Annual Report*, Brisbane; Rural Press Ltd, *Australian Sugar Year Book*, Brisbane; ABARES.

208 Australian cane and sugar production

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Area harvested for crushing	'000 ha	448	434	398	409	381	391	386
Cane yield	t/ha harvested	82.6	87.1	93.3	89.0	85.6	80.5	80.4
Cane crushed	kt	36 993	37 822	37 128	36 397	32 621	31 457	31 027
Commercial cane sugar	%	13.49	13.90	13.39	13.70	13.80	13.82	13.84
Sugar production ^a	kt	5 045	5 234	5 063	5 026	4 763	4 634	4 519
Sugar yield	t/ha harvested	11.3	12.1	12.7	12.3	12.5	11.9	11.7
Cane to sugar ratio		7.33	7.23	7.33	7.24	6.85	6.79	6.87
Gross value of sugar cane cut for crushing	\$m	854	980	1 032	1 221	861	1 021	1 526

^a Raw tonnes actual.

Sources: ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; Australian Sugar Milling Council, *Annual Review*, Brisbane; Rural Press Ltd, *Australian Sugar Year Book*, Brisbane; ABARES.

209 Volume of Australian exports of sugar, by destination

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt	p
Raw sugar in bulk									
Canada	329.3	381.2	332.9	110.0	50.0	0.0	26.0	0.0	
China	367.7	99.8	179.0	192.9	59.8	43.0	0.0	0.0	
Chinese Taipei	157.5	133.6	279.0	306.0	238.0	209.8	74.0	147.1	
Indonesia	163.7	152.3	362.2	529.8	536.9	758.5	592.8	606.5	
Iran	84.0	0.0	0.0	227.5	0.0	0.0	0.0	0.0	
Japan	729.0	518.1	434.7	493.2	610.5	480.0	440.0	358.3	
Korea, Rep. of	795.4	980.3	1 003.5	1 066.5	1 004.5	1 038.3	1 043.0	999.1	
Malaysia	798.8	1 015.6	1 026.9	469.0	520.0	402.5	532.0	468.6	
New Zealand	218.6	220.4	243.6	192.2	220.6	218.4	222.5	205.1	
Philippines	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Saudi Arabia	212.0	219.5	132.0	132.0	132.0	0.0	0.0	0.0	
United States	88.0	108.3	83.5	126.7	130.0	86.1	106.5	104.3	
Other countries	0.5	102.2	76.1	50.1	17.8	35.2	26.0	0.0	
Total	3 975	3 931	4 153	3 896	3 520	3 272	3 063	3 040	
Raw sugar in bags									
	7.0	7.0	3.7	1.9	2.4	2.1	6.4	6.9	
Refined sugar									
Total	185.6	121.6	113.7	169.5	196.1	219.0	198.3	201.5	
{value, \$m}	4 167	4 060	4 271	4 067	3 719	3 493	3 268	3 249	
	1 220	982	1 098	1 454	1 510	1 006	1 338	1 770	

^p Preliminary.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Queensland Sugar Limited, *Annual Report*, Brisbane; ABARES.

210 World sugar supplies, consumption, trade and prices a

	Production	Total		Closing		Trade c	World price d		
		Mt	Mt	Consumption	stocks		US	Australian	
							US\$/t	A\$/t	
1966-67	65.6	84.8	na	na	na	na	na	na	
1967-68	97.9	87.0	na	na	na	na	na	na	
1968-69	68.4	89.0	na	na	na	na	na	na	
1969-70	74.2	93.8	na	na	na	na	na	na	
1970-71	71.0	92.0	72.8	18.8	(25.8)	na	3.3	84.7	
1971-72	72.2	91.0	74.3	16.9	(22.7)	na	6.2	115.7	
1972-73	75.6	92.5	76.4	16.4	(21.5)	na	8.7	143.1	
1973-74	78.5	94.9	78.3	16.2	(20.7)	na	18.5	274.6	
1974-75	78.0	94.2	75.9	17.7	(23.3)	na	30.3	499.5	
1975-76	81.1	98.8	78.5	20.6	(26.2)	na	13.6	239.7	
1976-77	86.7	107.3	81.3	25.1	(30.9)	na	8.3	162.0	
1977-78	91.2	116.3	85.2	30.5	(35.8)	na	7.5	146.1	
1978-79	91.0	121.5	89.3	31.7	(35.5)	na	8.2	159.9	
1979-80	85.1	116.8	90.1	25.9	(28.7)	na	21.0	412.5	
1980-81	88.7	114.6	89.8	25.6	(28.5)	28.6	22.7	433.5	
1981-82	100.9	126.5	92.2	33.3	(36.1)	31.6	9.9	205.5	
1982-83	100.6	133.9	94.4	38.7	(41.0)	29.6	7.9	190.5	
1983-84	98.0	136.7	96.3	39.5	(41.0)	29.6	6.3	155.1	
1984-85	100.4	139.9	98.0	42.0	(42.9)	29.2	3.8	112.9	
1985-86	98.6	140.6	100.0	39.0	(39.0)	28.8	5.9	193.2	
1986-87	104.2	143.2	105.9	35.8	(33.8)	28.7	6.3	203.8	
1987-88	104.7	140.5	107.2	33.4	(31.1)	27.9	9.4	275.8	
1988-89	104.6	138.0	107.0	31.1	(29.0)	35.2	11.9	326.5	
1989-90	109.1	140.2	109.5	30.6	(28.0)	34.7	13.7	386.7	
1990-91	115.7	146.3	110.4	35.0	(31.8)	34.4	9.2	261.5	
1991-92	116.9	151.9	111.0	40.0	(36.0)	32.2	9.2	268.2	
1992-93	112.7	152.7	111.9	39.8	(35.6)	32.6	9.6	306.7	
1993-94	111.4	151.2	112.2	37.6	(33.5)	34.1	11.2	351.1	
1994-95	116.1	153.7	114.7	38.2	(33.3)	35.5	13.7	408.9	
1995-96	125.7	163.9	119.2	40.4	(33.9)	36.1	12.3	351.9	
1996-97	123.7	164.1	122.1	41.9	(34.3)	35.6	11.3	319.2	
1997-98	127.8	169.7	125.1	44.7	(35.7)	36.9	9.9	339.6	
1998-99	135.3	180.0	125.6	54.3	(43.3)	39.3	6.6	228.5	
1999-00	131.7	186.0	127.4	58.7	(46.0)	37.1	7.2	260.8	
2000-01	130.7	189.4	131.1	58.6	(44.5)	44.2	9.3	393.3	
2001-02	137.3	195.6	135.6	56.9	(44.2)	48.1	6.8	281.8	
2002-03	148.3	208.3	140.8	49.4	(46.9)	43.7	7.5	270.4	
2003-04	142.2	209.1	144.5	63.8	(44.7)	45.0	6.6	201.4	
2004-05	140.8	209.0	146.9	58.0	(41.6)	48.1	9.0	258.8	
2005-06	150.2	220.7	152.6	55.5	(40.2)	48.1	14.7	439.2	
2006-07	166.0	222.6	156.9	65.6	(38.3)	48.9	10.4	284.8	
2007-08	167.1	225.4	160.8	69.8	(37.0)	47.9	12.4	333.7	
2008-09	150.0	228.7	162.0	59.8	(36.0)	49.2	15.4	458.1	
2009-10	158.8	218.6	164.8	53.8	(35.5)	52.7	20.4	498.3	

a Raw sugar equivalent; October-September year. b Figures in parentheses show closing stocks as a percentage of consumption. c Trade is defined as world gross exports including those exports made under special arrangements, such as between Comecon countries and through the Lomé Convention. Individual countries of the former Soviet Union are treated as separate trading entities from 1983-84. d Average of monthly averages of International Sugar Agreement (ISA) price; fob and stowed Caribbean ports basis, in bulk. e Australian currency equivalents of ISA price. na Not available.

Sources: International Sugar Organization, Statistical Bulletin, London; F.O. Licht, International Sugar and Sweetener Report, World Sugar Balances, Ratzeburg, Germany; F.O. Licht, International Sugar and Sweetener Report, Ratzeburg, Germany; ABARES.

211 World sugar production, by region and country ^a

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
	Mt							
Europe	27.99	27.12	29.72	29.22	27.48	26.78	22.68	24.06
Eastern Europe	4.35	4.79	5.58	6.16	7.77	6.84	6.81	6.33
Russian Federation	1.86	2.19	2.45	2.83	3.52	3.42	3.78	3.50
Ukraine	1.55	1.68	1.95	2.06	2.70	2.03	1.70	1.38
Other	0.94	0.92	1.18	1.28	1.55	1.40	1.33	1.45
Western Europe	21.62	20.26	24.14	23.05	19.57	19.94	18.21	20.44
European Union ^b	17.79	16.83	22.11	20.60	17.41	17.83	15.60	17.43
Turkey	2.27	1.98	2.03	2.23	1.96	1.84	2.35	2.70
Other	1.56	1.45	0.24	0.22	0.20	0.26	0.27	0.30
Africa	9.36	9.44	9.79	9.70	11.11	9.67	9.89	10.08
Mauritius	0.55	0.55	0.59	0.54	0.47	0.45	0.51	0.49
South Africa	2.55	2.30	2.40	2.25	2.37	2.39	2.34	2.13
Other	6.26	6.59	6.79	6.90	6.95	6.83	7.04	7.47
Americas	52.71	55.00	57.60	58.20	59.29	58.19	61.50	66.64
Brazil	25.19	25.92	28.08	31.96	31.65	30.69	35.12	39.38
Colombia	2.64	2.72	2.63	2.42	2.34	2.16	2.37	2.50
Cuba	2.25	2.50	1.42	1.25	1.20	1.45	1.38	1.28
Guatemala	1.85	2.00	2.18	1.91	2.28	2.16	2.33	2.45
Mexico	5.34	5.36	6.10	5.50	5.55	5.78	5.17	5.03
United States	7.63	7.85	7.17	6.71	7.67	7.39	6.60	7.08
Other	7.66	7.89	8.16	8.44	8.60	8.57	8.53	8.94
Asia	52.47	45.30	41.96	45.95	62.32	66.23	48.06	50.90
China	11.35	10.78	9.95	9.59	13.04	16.13	13.59	11.65
India	21.73	14.70	13.95	20.94	30.70	28.88	15.29	20.45
Indonesia	1.83	2.01	2.30	2.45	2.65	2.85	2.85	2.73
Pakistan	3.83	4.30	3.30	3.21	3.88	5.10	3.50	3.35
Philippines	2.23	2.41	2.25	2.23	2.28	2.55	2.06	2.08
Thailand	7.67	6.94	5.43	5.08	7.01	8.06	7.48	7.13
Other	3.84	4.17	4.18	2.46	2.77	2.67	3.30	3.51
Oceania	5.78	6.19	5.36	5.62	5.24	5.08	5.55	4.45
Australia	5.40	5.81	4.98	5.29	4.90	4.83	5.31	4.10
Fiji	0.33	0.32	0.33	0.29	0.31	0.21	0.20	0.31
Other	0.05	0.06	0.05	0.04	0.04	0.03	0.04	0.04
Total	148.32	142.20	140.80	150.16	165.97	167.11	150.02	158.83

^a Raw sugar equivalent, October-September year. ^b 27 countries.

Source: International Sugar Organization, *Quarterly Market Outlook*, London

212 Volume of world sugar trade, by country ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Exports								
Australia	3.81	3.85	4.30	3.87	3.82	3.34	3.34	3.37
Brazil	13.16	15.98	19.15	16.87	21.53	18.85	23.98	25.59
China	0.10	0.04	0.32	0.20	0.12	0.06	0.08	0.09
Colombia	1.32	1.26	1.17	0.89	0.95	0.63	0.67	0.94
Cuba	1.80	1.94	0.77	0.73	0.80	0.88	0.78	0.70
Dominican Republic	0.18	0.18	0.18	0.19	0.21	0.17	0.19	0.23
European Union ^b	9.27	8.04	9.47	12.54	6.21	6.91	6.60	8.18
Fiji	0.28	0.26	0.32	0.27	0.24	0.23	0.21	0.14
Guatemala	1.26	1.51	1.10	1.55	1.32	1.19	1.47	1.97
Guyana	0.30	0.32	0.26	0.24	0.24	0.22	0.22	0.23
India	1.21	0.49	0.08	1.46	2.66	6.10	0.23	0.05
Korea, Rep. of	0.32	0.35	0.32	0.32	0.40	0.33	0.31	0.34
Mauritius	0.54	0.59	0.57	0.54	0.45	0.46	0.47	0.55
Mexico	0.17	0.10	0.28	0.87	0.18	0.70	1.26	0.38
South Africa	1.04	0.97	1.05	1.14	0.69	0.93	0.89	0.72
Swaziland	0.55	0.56	0.70	0.63	0.62	0.62	0.62	0.62
Thailand	5.01	5.11	3.39	2.13	4.56	4.93	4.99	5.36
Ukraine	0.36	0.31	0.05	0.03	0.01	0.00	0.04	0.00
United States	0.13	0.13	0.21	0.20	0.38	0.28	0.15	0.26
Other countries	8.52	9.86	10.27	11.41	11.22	9.86	10.42	10.32
Total ^c	49.78	52.35	53.98	56.08	56.60	56.69	56.92	60.03
Imports								
Algeria	1.10	1.04	1.13	1.13	1.11	1.10	1.18	1.36
Canada	1.33	1.41	1.35	1.24	1.19	1.42	1.28	1.23
China	0.81	1.20	1.32	1.20	1.43	0.95	1.05	1.10
Egypt	1.02	1.18	1.21	1.03	0.82	1.17	1.03	1.06
European Union ^b	7.06	7.52	7.50	9.54	7.97	8.16	8.98	9.01
Indonesia	2.07	2.31	1.86	1.64	2.78	1.90	1.93	1.93
Iran	0.95	0.61	0.59	1.45	1.75	0.85	0.80	1.20
Israel	0.60	0.62	0.61	0.64	0.64	0.67	0.60	0.63
Japan	1.55	1.43	1.33	1.39	1.41	1.44	1.28	1.40
Korea, Rep. of	1.54	1.62	1.61	1.55	1.49	1.60	1.65	1.63
Malaysia	1.38	1.52	1.47	1.38	1.75	1.41	1.50	1.53
Morocco	0.61	0.59	0.63	0.66	0.72	0.75	0.99	0.76
Nigeria	1.51	1.36	1.40	1.38	1.26	1.47	1.38	1.49
Pakistan	0.04	0.07	0.85	1.98	0.65	0.20	0.29	1.30
Russian Federation	5.24	4.14	3.80	3.37	3.20	2.80	1.86	2.28
Saudi Arabia	0.95	1.13	1.24	1.26	1.29	1.60	1.42	1.34
Syria	1.12	1.16	1.12	1.09	0.95	0.88	1.07	1.10
Ukraine	1.50	0.55	0.35	0.07	0.02	0.08	0.08	0.51
United States	1.57	1.54	1.82	3.17	1.94	2.38	2.79	2.48
Other countries	14.70	16.75	19.88	19.03	19.09	19.83	21.45	25.03
Total ^c	48.55	49.28	51.05	54.21	51.44	50.67	52.61	58.36

^a Includes both raw and white sugar measured in raw sugar equivalents, October–September year. ^b 27 countries. ^c Totals for exports and imports may not be equal as a result of losses in transit, sugar being at sea at the end of each year, and discrepancies in the official statistics of individual countries.

Sources: F.O. Licht, International Sugar and Sweetener Report, World Sugar Balances, Ratzeburg, Germany.

213 Summary of Australian statistics for wheat ^a

	Production			Exports ^b			Domestic use ^c kt	Closing stocks ^d kt
	Area ^e '000 ha	Yield t/ha	Volume ^c kt	Unit value \$/t	Volume kt	Unit value ^d \$/t		
1970-71	6 478	1.22	7 890	51.1	9 049	48.0	2 654	4 456
1971-72	7 137	1.19	8 510	54.4	7 760	50.0	2 703	2 503
1972-73	7 604	0.87	6 590	54.1	4 137	51.0	3 426	1 530
1973-74	8 948	1.34	11 987	109.4	7 418	102.0	3 165	2 934
1974-75	8 307	1.37	11 357	110.6	8 550	132.0	3 031	2 710
1975-76	8 555	1.40	11 982	104.3	8 233	122.0	2 742	3 717
1976-77	8 956	1.30	11 667	90.1	9 763	109.0	2 432	3 189
1977-78	9 955	0.94	9 370	99.8	8 098	93.0	2 629	1 832
1978-79	10 249	1.77	18 090	126.9	11 693	116.0	2 531	5 698
1979-80	11 152	1.45	16 188	153.1	13 197	146.0	3 369	5 320
1980-81	11 283	0.96	10 856	155.1	9 614	164.0	3 466	3 096
1981-82	11 885	1.38	16 360	158.9	11 068	158.0	2 457	5 931
1982-83	11 520	0.77	8 876	176.5	7 280	168.0	4 190	3 337
1983-84	12 800	1.72	22 016	163.8	14 159	172.0	2 641	8 553
1984-85	12 045	1.55	18 665	171.6	14 659	183.0	3 081	9 478
1985-86	11 736	1.39	16 259	165.7	16 331	185.0	2 526	6 880
1986-87	11 135	1.46	16 308	145.9	15 658	147.0	2 825	4 705
1987-88	9 005	1.37	12 368	161.9	9 993	145.0	3 479	3 600
1988-89	8 827	1.59	14 061	209.8	11 427	214.4	2 888	3 346
1989-90	9 004	1.58	14 214	195.2	10 993	213.0	2 416	4 151
1990-91	9 218	1.63	15 066	132.0	12 002	136.5	3 239	3 976
1991-92	7 183	1.47	10 557	200.2	7 136	202.4	4 095	3 303
1992-93	9 101	1.78	16 184	165.9	10 359	206.8	4 186	4 942
1993-94	8 383	1.97	16 479	174.0	13 818	174.7	3 900	3 703
1994-95	7 891	1.14	8 972	237.1	6 351	234.1	3 883	2 441
1995-96	9 221	1.79	16 504	260.8	13 319	286.4	4 111	1 514
1996-97	10 936	2.10	22 924	212.8	19 224	226.9	3 543	1 671
1997-98	10 439	1.84	19 224	197.7	15 725	240.9	4 111	1 058
1998-99	11 543	1.86	21 464	186.9	16 450	203.3	4 449	1 624
1999-00	12 168	2.03	24 758	195.1	17 838	205.4	4 786	3 758
2000-01	12 141	1.82	22 108	232.1	16 142	267.9	4 887	4 837
2001-02	11 529	2.11	24 298	261.6	16 318	277.9	5 018	7 800
2002-03	11 170	0.91	10 132	265.7	9 107	283.1	5 515	3 310
2003-04	13 067	2.00	26 132	215.7	17 868	231.1	5 355	6 219
2004-05	13 399	1.63	21 905	197.1	14 675	213.7	6 023	7 426
2005-06	12 443	2.02	25 150	202.8	15 969	221.6	6 623	9 984
2006-07	11 798	0.92	10 822	242.0	8 685	266.5	7 416	4 705
2007-08	12 578	1.08	13 569	390.0	7 444	450.6	6 511	4 319
2008-09	13 530	1.58	21 420	281.1	14 707	347.8	7 294	3 738
2009-10	14 028	1.56	21 923	242.4	14 754	254.8	5 109	5 798

^a Crop years: up to and including 1981-82: 1 December to 30 November; 1982-83 and subsequent years: 1 October to 30 September. ^b For wheat including flour, in wheat equivalent (conversion 1:1.29). ^c Details for establishments with an estimated value of agricultural operations (EVAO) of \$2 500 or more until 1985-86; EVAO of \$5 000 or more from 1986-87 to 1988-89; EVAO of \$20 000 or more from 1989-90 to 1990-91; EVAO of \$22 500 or more from 1991-92 to 1992-93; and EVAO of \$5 000 or more from 1993-94. ^d Export unit value based on financial year exports until 1987-88 and crop year exports thereafter. ^e Calculated as production less exports plus net change in stocks. Includes wastage. ^f Some ABARES estimates have been revised based on additional industry information. ABARES is continuing to investigate data. ^g Includes AWB Limited Pool and Trading Division closing stocks.

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra; ABS, Principal Agricultural Commodities, Australia, Preliminary, cat. no. 7111.0, Canberra; ABS, Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra; ABS, Value of Australian Commodities Produced, cat. no. 7503.0, Canberra; ABARES.

214 Australian wheat area, yield and production, by state

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^a
Area b								
1996-97	'000 ha	3 192	963	980	4 264	1 535	2	10 936
1997-98	'000 ha	2 936	857	999	4 205	1 439	3	10 439
1998-99	'000 ha	3 174	949	1 139	4 515	1 762	4	11 543
1999-00	'000 ha	3 425	1 235	1 096	4 556	1 850	6	12 168
2000-01	'000 ha	3 671	1 143	885	4 460	1 976	7	12 141
2001-02	'000 ha	3 446	1 136	604	4 350	1 987	6	11 529
2002-03	'000 ha	2 996	1 239	514	4 458	1 957	7	11 170
2003-04	'000 ha	3 983	1 409	790	4 917	1 960	8	13 067
2004-05	'000 ha	4 256	1 327	711	5 118	1 979	7	13 399
2005-06	'000 ha	3 554	1 315	778	4 753	2 035	8	12 443
2006-07	'000 ha	3 596	1 347	638	4 037	2 173	7	11 798
2007-08	'000 ha	4 009	1 514	669	4 258	2 121	7	12 578
2008-09	'000 ha	4 322	1 534	1 020	4 542	2 104	9	13 530
2009-10	'000 ha	4 095	1 793	984	5 001	2 148	7	14 028
Yield								
1996-97	t/ha	2.62	2.35	2.02	1.76	1.82	4.00	2.10
1997-98	t/ha	2.01	1.75	1.39	1.84	1.87	4.00	1.84
1998-99	t/ha	2.07	1.54	1.70	1.81	1.88	4.38	1.86
1999-00	t/ha	2.51	2.14	1.74	1.98	1.40	3.14	2.03
2000-01	t/ha	2.14	2.69	1.31	1.30	2.11	3.71	1.82
2001-02	t/ha	2.33	2.46	1.49	1.78	2.40	4.17	2.11
2002-03	t/ha	0.83	0.72	1.17	0.91	1.06	3.57	0.91
2003-04	t/ha	1.83	2.23	1.41	2.25	1.78	3.19	2.00
2004-05	t/ha	1.77	1.45	1.65	1.68	1.32	4.29	1.63
2005-06	t/ha	2.26	2.21	1.57	1.91	1.89	4.10	2.02
2006-07	t/ha	0.71	0.65	1.22	1.27	0.67	2.57	0.92
2007-08	t/ha	0.62	1.32	1.43	1.37	1.08	3.86	1.08
2008-09	t/ha	1.61	1.14	1.98	1.82	1.13	3.89	1.58
2009-10	t/ha	1.31	1.66	1.40	1.63	1.89	3.86	1.56
Production b								
1996-97	kt	8 363	2 262	1 980	7 516	2 795	8	22 924
1997-98	kt	5 906	1 503	1 389	7 725	2 689	12	19 224
1998-99	kt	6 563	1 462	1 941	8 170	3 310	18	21 464
1999-00	kt	8 602	2 642	1 904	9 004	2 586	20	24 758
2000-01	kt	7 867	3 080	1 157	5 814	4 162	26	22 108
2001-02	kt	8 043	2 791	901	7 760	4 778	25	24 298
2002-03	kt	2 497	890	601	4 047	2 072	25	10 132
2003-04	kt	7 288	3 145	1 110	11 070	3 490	26	26 132
2004-05	kt	7 537	1 927	1 170	8 619	2 621	30	21 905
2005-06	kt	8 049	2 909	1 218	9 088	3 853	34	25 150
2006-07	kt	2 568	879	777	5 134	1 446	18	10 822
2007-08	kt	2 477	1 995	954	5 820	2 296	27	13 569
2008-09	kt	6 963	1 756	2 016	8 274	2 376	35	21 420
2009-10	kt	5 348	2 974	1 374	8 148	4 052	27	21 923

^a Includes data for the Australian Capital Territory and the Northern Territory. State totals may not add to Australian totals as a result of rounding.

^b Excludes establishments with an EVAO less than \$5000.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABARES.

215 Volume of Australian exports of wheat and flour, by destination ^a

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Africa								
Egypt	602	2 534	752	1 818	251	284	449	501
Ethiopia	24	29	0	8	0	0	5	8
South Africa	48	247	183	85	0	0	77	46
Asia								
Bangladesh	130	141	162	179	3	65	337	443
China	38	755	1 893	303	183	2	231	745
India	0	4	0	93	1 593	9	1	240
Indonesia	1 686	2 647	2 720	3 016	2 574	1 608	2 728	2 853
Japan	1 134	1 250	1 171	1 106	1 114	878	791	1 088
Korea, Rep. of	1 014	1 065	1 213	1 002	989	694	712	826
Malaysia	370	737	888	780	629	623	793	756
Pakistan	9	140	653	146	0	0	0	1
Singapore	65	48	118	68	70	75	85	83
Sri Lanka	117	132	66	46	0	5	50	99
Thailand	291	422	478	545	192	255	336	442
Middle East								
Bahrain	0	6	3	0	5	0	23	51
Iran	1 064	0	0	425	41	0	1 577	61
Iraq	1 037	1 111	1 550	715	362	198	531	635
Kuwait	175	259	305	341	250	233	251	338
Oman	27	91	63	86	0	0	42	0
Qatar	0	0	0	61	64	72	42	12
United Arab Emirates	142	196	241	525	99	144	256	207
Yemen	412	198	314	499	385	408	714	648
Oceania								
Fiji	120	122	134	131	146	132	123	158
New Zealand	308	314	339	313	350	275	266	280
Papua New Guinea	130	99	134	155	148	153	135	160
Total (value, \$m)	10 845	15 074	15 780	15 168	11 196	7 408	13 410	13 705

^a July-June year. Exports are of wheat (including spelt, groats, meal and pellets) and meslin (mixed grain, especially rye mixed with wheat), plus plain white flour, wholemeal flour and self-raising white flour in wheat equivalent (conversion 1:1.29).

Sources: ABS, International Trade, Australia, cat. no. 5465.0, Canberra.

216 Australian wheat supply and disposal ^a

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Opening stocks	7 800	3 310	6 219	7 426	9 984	4 705	4 319	3 738
Production	10 132	26 132	21 905	25 150	10 822	13 569	21 420	21 923
Total domestic use ^b	5 515	5 355	6 023	6 623	7 416	6 511	7 294	5 109
Food	2 427	2 406	2 296	2 245	2 286	2 337	2 470	2 500
Feed ^c	2 500	2 279	3 105	3 788	4 501	3 498	4 134	1 940
Seed	588	670	622	590	629	677	689	669
Exports								
Wheat	8 926	17 582	14 349	15 670	8 406	7 197	14 568	14 623
Flour ^d	180	286	325	298	279	247	140	131
Total	9 107	17 868	14 675	15 969	8 685	7 444	14 707	14 754
Closing stocks ^b	3 310	6 219	7 426	9 984	4 705	4 319	3 738	5 798

^a 1 October to 30 September. ^b Some ABARES estimates have been revised based on additional industry information. ABARES is continuing to investigate data. ^c Calculated as residual: production less exports less other domestic uses plus net change in stocks. ^d Wheat equivalent (conversion 1:1.29).

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Manufacturing Production, Australia*, cat. no. 8301.0, Canberra; ABARES.

217 Australian wheat prices ^a

	AWB Limited export quote ^a		Stock feed	
	US\$/t	A\$/t	wheat ^b	Unit GVP
1967-68	na	na	60.81	57.70
1968-69	na	na	62.83	49.40
1969-70	na	na	63.38	50.36
1970-71	na	51.00	63.93	51.15
1971-72	na	49.00	54.75	54.35
1972-73	90.00	70.00	56.97	54.11
1973-74	195.00	132.00	71.00	109.45
1974-75	167.00	122.00	83.40	110.63
1975-76	146.00	116.00	99.32	104.26
1976-77	114.00	99.00	105.40	90.06
1977-78	118.00	105.00	111.60	99.77
1978-79	143.00	126.00	116.61	126.91
1979-80	169.00	152.00	140.50	153.07
1980-81	180.00	155.00	151.37	155.13
1981-82	165.00	149.00	149.78	158.89
1982-83	164.00	175.00	184.11	176.45
1983-84	154.00	170.00	175.24	163.77
1984-85	150.00	194.00	204.36	171.60
1985-86	133.00	190.00	193.82	165.67
1986-87	110.00	166.00	170.12	145.90
1987-88	125.00	172.00	189.54	161.93
1988-89	172.00	212.00	221.84	209.82
1989-90	168.00	218.00	169.08	195.24
1990-91	126.58	161.07	132.33	131.96
1991-92	160.33	208.77	159.67	200.16
1992-93	155.67	222.97	143.50	165.94
1993-94	153.75	223.70	137.58	173.97
1994-95	175.08	236.97	232.75	237.09
1995-96	230.42	304.56	236.24	260.83
1996-97	206.67	264.92	188.38	212.79
1997-98	167.00	246.22	185.93	197.75
1998-99	146.91	234.65	155.38	186.87
1999-00	136.42	216.66	153.63	195.14
2000-01	153.97	285.88	171.83	232.06
2001-02	157.58	301.02	211.97	261.60
2002-03	185.03	316.46	309.69	265.68
2003-04	183.56	257.71	220.74	215.67
2004-05	175.43	233.55	194.77	197.06
2005-06	195.08	261.64	191.84	202.75
2006-07	231.90	295.95	286.76	241.96
2007-08	380.52	425.02	425.49	390.00
2008-09	267.92	360.31	314.47	281.09
2009-10	208.26	234.89	236.83	242.43

^a Average of daily asking prices for Australian standard white wheat fob eastern states for the relevant financial year. AWB ceased quoting the Australian standard white wheat price as at September 2007. ^b Administered pricing of domestic wheat ceased after the 1988-89 season. Sydney cash price, ASW (July-June average) from 1989-90. na Not available.

Sources: International Grains Council, *Grain Market Report*, London; ABARES.

218 Summary of world statistics for wheat

	Area million ha	Production Mt	Use Mt	Closing stocks		Stocks-to-use ratio	Trade c Mt	Use per person kg	Price d US\$/t
				World a	Exporters b				
				Mt	Mt				
1964-65	217	276	262	86	46	33	51	80	64.00
1965-66	219	265	284	67	34	24	62	85	58.00
1966-67	219	311	286	92	35	32	56	83	66.00
1967-68	223	300	294	98	43	33	51	84	62.00
1968-69	227	332	308	122	62	40	46	86	63.00
1969-70	220	315	329	108	65	33	51	90	52.00
1970-71	210	319	342	85	51	25	54	92	60.00
1971-72	215	354	349	90	49	26	52	92	60.00
1972-73	213	348	366	71	28	19	68	95	91.00
1973-74	221	376	363	87	26	24	63	92	177.00
1974-75	223	364	368	83	30	23	63	92	164.00
1975-76	227	359	364	80	38	22	66	89	152.00
1976-77	234	425	380	121	56	32	62	91	113.00
1977-78	228	386	413	98	53	24	72	98	116.00
1978-79	230	451	428	120	56	28	72	99	141.00
1979-80	229	429	440	101	49	23	86	100	175.00
1980-81	237	445	452	114	47	25	94	101	183.00
1981-82	240	454	454	118	59	26	101	100	170.00
1982-83	239	483	465	137	70	30	96	101	160.00
1983-84	231	489	473	151	66	32	100	101	154.00
1984-85	232	513	495	176	73	36	103	104	148.00
1985-86	231	500	491	189	85	38	84	101	128.00
1986-87	229	531	518	201	83	39	90	105	110.50
1987-88	221	505	528	180	61	34	107	105	123.40
1988-89	220	500	529	151	40	29	98	103	165.75
1989-90	226	537	532	157	38	29	101	102	160.83
1990-91	230	592	567	182	55	32	100	107	117.94
1991-92	221	543	552	174	50	31	110	103	150.96
1992-93	221	562	548	187	55	34	111	100	141.33
1993-94	220	557	557	188	45	34	99	100	141.52
1994-95	215	527	545	170	32	31	92	97	156.42
1995-96	219	541	549	163	30	30	96	96	215.33
1996-97	231	582	577	168	36	29	100	100	178.50
1997-98	228	610	582	195	42	34	99	99	141.75
1998-99	225	587	579	203	55	35	99	97	119.08
1999-00	217	585	582	206	54	35	109	95	113.17
2000-01	218	582	584	204	55	35	102	94	128.50
2001-02	213	581	585	201	52	34	107	93	127.51
2002-03	213	566	601	166	40	28	106	95	160.46
2003-04	208	557	596	127	42	21	103	93	160.49
2004-05	217	628	614	141	57	23	110	94	153.87
2005-06	217	621	625	137	56	22	110	95	176.28
2006-07	211	597	610	124	41	20	111	91	211.91
2007-08	222	609	613	121	31	20	110	91	362.08
2008-09	223	686	638	168	49	26	136	94	270.78
2009-10	223	677	650	195	53	30	127	94	209.02

Note: Area is harvested area. a Sum of individual closing stocks at the end of respective national crop years. China not included before 1983-84. b United States, European Union, Canada, Australia and Argentina. c July-June year. Excludes intra-EU trade. d For US hard red winter wheat, (Ord.), fob Gulf.

Sources: International Grains Council, *Grain Market Report*, London; International Grains Council, *World Grain Statistics*, London; ABARES.

Wheat

219 World wheat production, by country

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Africa								
Algeria	1.5	3.0	2.7	2.4	2.7	2.8	1.3	3.5
Egypt	6.8	6.8	7.2	8.1	8.3	7.4	8.0	8.5
Morocco	3.4	5.1	5.5	3.0	6.3	1.6	3.7	6.4
South Africa	2.4	1.5	1.7	1.9	2.1	1.9	2.1	2.0
Americas								
Argentina	12.3	14.6	16.0	12.6	14.5	16.4	8.4	8.0
Brazil	2.9	5.9	6.0	4.9	2.2	3.8	6.0	4.9
Canada	16.2	23.6	25.9	26.8	25.3	20.1	28.6	26.5
Mexico	3.3	2.9	2.9	3.0	3.4	3.5	4.0	4.3
United States	43.7	63.8	58.7	57.2	49.3	55.8	68.0	60.3
Asia								
China	90.3	86.5	92.0	97.5	108.5	109.3	112.5	115.1
India	71.8	65.1	72.1	68.6	69.4	75.8	78.6	80.7
Japan	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.6
Kazakhstan	12.8	11.5	9.9	11.0	12.5	16.5	13.0	16.5
Pakistan	18.2	19.2	19.5	21.7	21.7	23.3	21.5	24.0
Uzbekistan	4.8	5.4	4.7	6.1	5.8	6.2	6.0	6.2
Europe								
Bulgaria	3.5	1.7	3.6	3.5	3.2	2.3	4.4	3.6
Czech Republic	3.8	2.6	5.0	4.1	3.5	4.0	4.7	4.3
European Union ^a	103.1	90.1	136.1	122.7	125.1	119.7	151.2	138.4
France	39.0	30.5	39.7	37.0	35.4	32.8	39.5	38.3
Germany	20.8	19.3	25.4	23.7	22.4	20.8	26.0	25.1
Italy	7.5	6.2	8.6	7.3	6.5	7.3	9.0	7.0
Spain	6.3	6.1	6.8	3.3	5.6	6.3	6.7	4.8
Sweden	2.1	2.3	2.4	2.3	2.0	2.3	2.2	2.3
United Kingdom	16.0	14.3	15.5	14.9	14.7	13.1	17.3	14.4
Hungary	3.9	2.9	6.0	5.1	4.4	4.0	5.7	4.4
Poland	9.3	7.9	9.9	8.8	7.1	8.3	9.3	9.8
Romania	4.4	2.5	7.8	7.6	5.0	2.9	7.8	4.8
Russian Federation	50.6	34.1	45.4	47.7	45.0	49.4	63.8	61.7
Serbia and Montenegro	2.2	1.4	2.8	2.0	1.9	2.0	2.1	2.1
Slovakia	1.6	0.9	1.7	1.6	1.4	1.5	1.8	1.5
Ukraine	19.8	3.6	16.5	18.7	13.8	13.9	25.9	20.9
Middle East								
Iran	12.5	13.5	14.0	14.5	14.8	15.0	10.0	12.0
Saudi Arabia	2.0	2.0	2.1	2.2	2.7	2.6	1.8	1.0
Syria	4.5	4.7	4.5	4.7	4.9	4.1	2.1	4.0
Turkey	17.3	18.5	18.5	18.0	17.5	15.5	17.0	18.0
Oceania								
Australia	10.1	26.1	21.9	25.2	10.8	13.6	21.4	21.9
Total ^b	566.1	557.0	627.6	620.7	597.5	609.1	686.1	677.2

^a Regarded as 15 countries to 2002-03, 25 countries from 2003-04, then 27 countries from 2005-06. Production totals for individual EU countries sourced from International Grains Council. ^b Includes some unspecified countries.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; International Grains Council, *Grain Market Report*, London; ABARES.

220 Volume of world wheat trade, by country ^a

	2002-03 Mt	2003-04 Mt	2004-05 Mt	2005-06 Mt	2006-07 Mt	2007-08 Mt	2008-09 Mt	2009-10 Mt
Imports								
Africa								
Algeria	5.7	4.0	5.3	5.5	4.9	5.8	6.3	5.0
Egypt	6.4	7.2	7.9	7.7	7.1	7.6	9.8	10.2
Morocco	2.8	2.4	2.3	2.4	1.8	4.1	3.7	2.3
Nigeria	2.3	2.4	3.1	3.7	3.2	2.6	3.5	4.0
Tunisia	2.2	0.8	1.0	1.0	1.4	2.3	1.8	1.5
Americas								
Brazil	6.8	5.7	5.5	6.2	7.9	7.1	6.3	6.3
Cuba	0.8	0.7	0.8	0.8	0.7	0.9	0.8	0.7
Mexico	3.1	3.6	3.6	3.4	3.6	3.1	3.3	3.1
Peru	1.2	1.4	1.4	1.7	1.4	1.4	1.4	1.6
Venezuela	0.9	1.6	1.5	1.6	1.8	1.4	1.4	1.5
Asia								
Bangladesh	1.4	2.0	1.8	2.1	1.7	1.4	2.7	3.5
China	0.4	3.7	6.8	1.0	0.4	0.2	0.5	1.4
Chinese Taipei	1.2	1.1	1.1	1.2	1.1	1.3	1.1	1.2
India	0.0	0.0	0.0	0.1	6.7	2.0	0.0	0.3
Indonesia	4.0	4.4	4.8	5.1	5.8	5.2	5.5	5.5
Japan	5.4	5.7	5.4	5.4	5.6	5.7	4.9	5.5
Korea, Rep. of	3.6	3.6	3.6	3.8	3.2	3.0	3.3	4.5
Pakistan	0.2	0.2	1.4	0.9	0.1	1.5	3.0	0.2
Philippines	3.2	3.0	2.5	2.9	2.7	2.3	3.2	3.0
Europe								
European Union ^b	11.9	5.8	7.1	7.1	5.3	6.4	7.6	5.2
Russian Federation	0.4	1.0	1.1	1.3	0.8	0.3	0.1	0.1
Ukraine	0.5	3.6	0.0	0.0	0.1	0.3	0.1	0.1
Middle East								
Iran	1.6	0.2	0.2	1.0	0.3	0.1	8.9	2.9
Iraq	1.6	1.9	3.1	4.9	3.0	3.5	3.9	3.9
Turkey	1.3	1.1	0.4	0.1	1.8	2.2	3.6	3.3
Yemen	1.7	1.5	2.0	2.3	2.5	2.0	2.8	2.7
Exports								
Americas								
Argentina	6.1	7.4	13.2	8.1	11.9	10.0	7.3	4.5
Canada	9.2	15.6	15.4	15.5	19.4	16.4	18.3	17.8
United States	23.1	31.5	29.0	27.3	25.0	34.3	27.0	23.5
Europe								
European Union ^b	15.5	10.4	15.2	15.7	12.8	11.2	24.7	22.8
Russian Federation	13.0	4.0	7.9	10.6	10.9	12.1	18.3	18.7
Ukraine	6.7	0.1	4.3	6.5	3.3	1.2	12.9	9.3
Asia								
China	1.4	2.4	0.8	1.0	2.4	2.4	0.2	0.4
India	5.4	5.4	1.7	0.4	0.1	0.1	0.0	0.0
Japan	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.3
Kazakhstan	5.6	4.3	3.0	3.8	8.1	8.2	5.8	8.0
Turkey	0.8	0.7	2.1	3.0	2.0	1.5	2.2	4.0
Oceania								
Australia ^c	10.8	15.1	15.8	15.2	11.2	7.4	13.4	13.7
Total ^d	106.5	103.1	110.2	110.0	110.8	110.3	136.2	126.3

^a Local marketing years; wheat equivalent. ^b Regarded as 15 countries to 2002-03, 25 countries from 2003-04, then 27 countries from 2005-06. Excludes intra-EU trade. ^c Fiscal year. ^d Includes some unspecified countries.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; International Grains Council; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

221 US wheat supply and disposal ^a

	Unit	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10 ^b
Area									
- planted	million ha	24.4	25.1	24.1	23.2	23.2	24.5	25.6	23.9
- harvested	million ha	24.4	21.4	20.2	20.3	18.9	20.6	22.5	20.2
Yield	t/ha	1.79	2.99	2.90	2.82	2.60	2.70	3.02	2.99
Production	Mt	43.7	63.8	58.7	57.2	49.3	55.8	68.0	60.3
Opening stocks	Mt	21.1	13.4	14.9	14.7	15.5	12.4	8.3	17.9
Imports	Mt	2.1	1.7	1.9	2.2	3.3	3.1	3.5	3.2
Availability	Mt	67.0	78.9	75.5	74.1	68.1	71.3	79.8	81.4
Domestic use	Mt	30.5	32.5	31.9	31.3	30.9	28.6	34.3	30.9
- food	Mt	25.0	24.8	24.8	25.0	25.5	25.8	25.2	25.0
- feed	Mt	3.2	5.5	4.9	4.3	3.2	0.4	6.9	4.1
- seed	Mt	2.3	2.2	2.1	2.1	2.2	2.4	2.1	1.9
Exports	Mt	23.1	31.5	29.0	27.3	24.9	34.3	27.6	24.0
Closing stocks	Mt	13.4	14.9	14.7	15.5	12.4	8.3	17.9	26.5
- Commodity Credit Corporation	Mt	1.8	1.7	1.5	1.2	1.1	0.0	0.0	0.0
- Free	Mt	11.6	13.2	13.2	14.4	11.3	8.3	17.9	26.5
Farm price	US\$/bus	3.56	3.40	3.40	3.42	4.26	6.48	6.78	4.87
Loan rate	US\$/bus	2.80	2.80	2.75	2.75	2.75	2.75	2.75	2.94
Export price ^c	US\$/t	160.46	160.49	153.87	176.28	211.91	362.08	270.78	209.02

^a June-May year. ^b US Department of Agriculture estimate. ^c US hard red winter wheat (ordinary), fob Gulf; July-June average.

Sources: US Department of Agriculture, *World Agricultural Supply and Demand Estimates*, Washington DC; US Department of Agriculture, *Agricultural Outlook*, Washington DC; US Department of Agriculture, *Wheat Yearbook*, Washington DC; ABARES.

222 Wheat export price quotations, by country and category

	Australian standard white (eastern states)	Canadian no. 1 western red spring 12.5% (Vancouver) ^a	US no. 2 hard red winter (Gulf)	Argentinean bread wheat	EU standard (Rouen)	US no. 2 soft red winter (Gulf)
	US\$/t	US\$/t	US\$/t	US\$/t	US\$/t	US\$/t
1986-87	110.00	148.00	110.50	84.00	83.00	113.00
1987-88	125.11	164.00	123.40	101.00	84.00	120.00
1988-89	171.90	224.92	165.75	151.17	146.75	161.42
1989-90	167.60	193.75	160.83	138.58	142.17	152.83
1990-91	126.73	160.67	117.94	86.75	89.92	112.67
1991-92	160.25	188.42	150.96	117.67	119.00	147.08
1992-93	157.05	192.83	141.33	124.17	132.83	142.17
1993-94	153.25	222.25	141.52	117.50	95.58	133.83
1994-95	174.37	209.17	156.42	132.83	128.11	146.75
1995-96	232.39	254.83	215.33	215.92	212.30	180.17
1996-97	207.47	216.58	178.50	153.33	169.55	159.00
1997-98	167.50	197.28	141.75	134.31	133.80	130.91
1998-99	147.43	183.87	119.08	116.65	101.00	102.01
1999-00	136.44	179.00	113.17	112.17	99.67	99.33
2000-01	153.57	183.90	128.50	125.04	109.16	102.94
2001-02	157.09	148.54	127.51	116.71	110.85	116.10
2002-03	185.97	211.80	160.46	144.54	113.50	140.16
2003-04	183.56	203.39	160.49	153.50	174.23	152.45
2004-05	175.70	205.83	153.87	123.82	138.66	142.30
2005-06	194.60	216.25	176.28	138.75	132.18	142.02
2006-07	231.66	242.64	211.91	187.75	198.73	180.55
2007-08	302.01	477.50	362.08	325.97	361.45	328.41
2008-09	226.24	337.02	270.78	232.70	214.03	209.84
2009-10	202.11	245.84	209.02	222.67	179.15	190.44
2009						
January	209.64	331.60	257.40	211.40	196.00	204.11
February	209.72	295.75	240.50	215.00	187.25	188.15
March	216.52	307.25	242.75	215.25	180.75	191.59
April	220.60	306.75	247.00	210.50	187.25	191.23
May	240.57	324.00	269.20	210.00	205.80	211.96
June	264.20	307.00	260.75	226.66	201.25	207.81
July	245.19	271.40	233.20	237.40	191.80	183.74
August	222.84	244.00	211.50	222.50	180.25	165.03
September	201.94	265.75	199.00	207.50	179.50	164.25
October	201.83	270.40	208.80	213.40	189.80	182.10
November	210.36	267.00	226.75	216.75	193.00	212.17
December	209.50	243.60	221.00	240.20	187.40	212.58
2010						
January	204.04	234.75	213.74	234.00	179.00	203.65
February	192.31	234.25	206.30	218.00	168.00	195.57
March	187.07	229.75	204.39	211.00	165.50	194.56
April	182.15	238.20	199.50	226.00	173.60	194.17
May	182.18	224.50	194.76	242.25	171.25	191.55
June	178.22	226.50	181.34	203.09	170.75	185.97

^a Prior to October 1994 export price quotation for Canadian no. 1 western red spring wheat 13.5 per cent (Vancouver). ^{na} Not available.

Sources: International Grains Council, *World Grains Statistics*, London; International Grains Council, *Grain Market Report*, London; US Department of Agriculture, *Wheat Yearbook*, Washington DC; ABARES.

Wheat

223 Wheat supply and disposal in major exporting countries ^a

	Area million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports ^b Mt	Closing stocks Mt
United States (June–May)						
2004-05	20.2	2.90	58.7	31.9	29.0	14.7
2005-06	20.3	2.82	57.2	31.3	27.3	15.5
2006-07	18.9	2.60	49.3	30.9	25.0	12.4
2007-08	20.6	2.70	55.8	28.6	34.3	8.3
2008-09	22.5	3.02	68.0	34.3	27.0	17.9
2009-10	20.2	2.99	60.3	30.9	23.5	26.5
Canada (August–July)						
2004-05	9.8	2.63	25.9	9.2	14.8	7.9
2005-06	9.8	2.72	26.8	9.3	15.8	9.7
2006-07	9.7	2.61	25.3	8.8	19.4	6.8
2007-08	8.6	2.32	20.1	6.7	15.9	4.4
2008-09	10.0	2.85	28.6	7.8	18.7	6.5
2009-10	9.5	2.78	26.5	7.8	17.5	7.8
Argentina (December–November)						
2004-05	6.1	2.64	16.0	4.2	11.9	4.3
2005-06	5.2	2.41	12.6	4.0	9.6	3.3
2006-07	5.5	2.63	14.5	4.1	10.8	3.0
2007-08	5.9	2.75	16.4	4.2	11.2	3.9
2008-09	4.2	1.99	8.4	3.9	7.3	1.2
2009-10	2.6	3.03	8.0	3.9	4.8	0.5
Australia (October–September)						
2004-05	13.4	1.63	21.9	6.0	14.7	7.4
2005-06	12.4	2.02	25.2	6.6	16.0	10.0
2006-07	11.8	0.92	10.8	7.4	8.7	4.7
2007-08	12.6	1.08	13.6	6.5	7.4	4.3
2008-09	13.5	1.58	21.4	7.3	14.7	3.7
2009-10	14.0	1.56	21.9	5.1	14.8	5.8
European Union (July–June) ^c						
2004-05	23.0	5.91	136.1	116.7	15.2	23.0
2005-06	22.4	5.48	122.7	119.6	15.7	17.6
2006-07	24.7	5.06	125.1	123.6	14.3	14.0
2007-08	25.1	4.78	119.7	117.1	12.6	10.3
2008-09	26.7	5.65	151.2	123.5	25.9	19.7
2009-10	25.8	5.37	138.4	126.6	22.4	14.6
Total ^{cd}						
2004-05	72.6	3.56	258.6	167.9	85.6	57.4
2005-06	70.2	3.48	244.4	170.8	84.3	56.1
2006-07	70.7	3.18	225.0	174.8	76.7	40.9
2007-08	72.9	3.09	225.5	163.1	80.0	31.2
2008-09	77.0	3.60	277.6	176.7	92.3	49.0
2009-10	72.2	3.54	255.1	174.4	83.4	52.9

^a The marketing period in each country is shown in parentheses. ^b Includes wheat equivalent of flour and other wheat products. ^c Regarded as 15 countries from 1998–99, 25 countries from 2004–05, then 27 countries from 2006–07. Excludes intra-EU trade. EU stock figures include intervention stocks. ^d Simple aggregation of different crop years.

Sources: ABS, *Principal Agricultural Commodities Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia, Preliminary*, cat. no. 7121.0, Canberra; ABS, *Summary of Crops*, cat. no. 7330.0, Canberra; International Grains Council, *World Grain Statistics*, London; US Department of Agriculture, *World Agricultural Supply and Demand Estimates*, Washington DC; US Department of Agriculture, *Agricultural Outlook*, Washington DC; US Department of Agriculture, *Wheat Yearbook*, Washington DC; International Grains Council, *Grain Market Report*, London; ABARES.

224 Summary of Australian statistics for wool

	Wool production			Average price			
	Sheep numbers ab	(greasy) c		Clean yield ac	Closing stocks		Auction (greasy)
		Shorn	Total		'000 bales	kt	
	million	kt	kt	%			
1972-73	134.1	643.6	735.2	58.8	205.8	29.6	na 183.8
1973-74	139.5	644.3	700.9	60.3	176.5	26.0	361.2 181.2
1974-75	145.8	725.3	793.5	62.3	1 616.2	239.2	252.8 127.0
1975-76	144.1	681.4	754.3	62.5	1 326.7	197.4	271.8 143.3
1976-77	131.3	623.9	702.7	61.8	1 094.1	162.6	348.0 182.7
1977-78	127.5	605.5	677.0	62.3	896.6	137.7	354.7 187.1
1978-79	130.5	643.6	705.7	62.9	353.8	55.8	391.7 205.2
1979-80	132.7	642.4	708.5	62.9	208.5	33.2	462.0 243.6
1980-81	131.4	637.9	701.2	62.8	188.3	30.3	478.8 256.0
1981-82	135.0	661.0	717.2	63.0	509.3	81.5	501.9 264.7
1982-83	130.5	581.3	641.5	62.3	928.1	150.0	516.3 269.9
1983-84	135.1	614.8	671.2	63.2	1 233.9	207.0	540.3 293.8
1984-85	145.7	691.1	752.7	64.2	979.6	168.1	586.0 317.8
1985-86	150.4	694.2	762.1	64.3	924.3	159.1	594.9 342.1
1986-87	153.2	740.5	813.7	64.4	381.5	65.7	697.4 395.5
1987-88	156.5	771.4	842.7	64.9	9.2	1.5	1 117.4 632.7
1988-89	164.9	838.8	898.9	65.3	188.3	31.8	1 091.7 647.3
1989-90	173.8	959.8	1 030.9	65.8	3 064.7	542.0	969.2 555.3
1990-91	166.6	912.3	989.2	65.6	4 607.4	820.1	699.6 413.8
1991-92	151.0	727.5	801.2	65.1	4 068.8	724.3	592.6 358.8
1992-93	140.5	760.8	815.1	66.0	3 950.1	703.0	519.2 313.5
1993-94	132.6	775.8	828.3	65.8	3 667.0	653.0	547.0 330.1
1994-95	120.9	679.4	727.9	64.6	3 113.7	557.0	788.0 504.4
1995-96	121.1	640.9	684.9	65.7	3 226.4	573.6	658.1 386.7
1996-97	120.2	685.1	731.4	65.9	2 556.6	452.3	669.8 403.0
1997-98	117.5	639.8	689.6	65.6	2 173.1	383.7	733.2 444.3
1998-99	117.5	639.9	687.6	65.5	2 104.0	375.6	550.2 323.4
1999-00	115.4	642.3	666.0	65.6	1 476.4	263.4	627.0 357.3
2000-01	110.9	589.9	645.1	65.8	796.5	141.4	764.0 512.0
2001-02	106.2	536.9	587.2	66.1	429.8	81.0	841.0 526.7
2002-03	99.3	503.0	551.1	64.8	123.9	105.0	1 049.0 682.0
2003-04	101.3	467.6	509.5	64.4	707.7	156.3	820.0 533.0
2004-05	101.1	465.7	519.7	64.2	888.3	157.0	766.6 484.9
2005-06	91.0	472.5	519.9	64.1	896.7	157.6	713.3 463.7
2006-07	85.7	450.2	502.3	62.9	na 0.0	864.1	543.5
2007-08	76.9	407.9	458.7	62.6	na na	945.0	599.1
2008-09	72.7	370.6	420.3	62.8	na na	793.8	499.3
2009-10	67.7	341.3	382.3	63.2	na na	871.7	550.9

a Sheep and lambs. b Before 1982, includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$1500 or more. Between 1982 and 1986, includes livestock holdings on establishments with an EVAO of \$2500 or more and from 1987, an EVAO of \$5000.

c July-June years. d No official stocks of wool were held between 1951-52 and 1969-70. Australian wool held by the Australian Wool Board in 1970-71 and 1971-72, by the Australian Wool Corporation from 1972-73 to 1990-91 and by the Australian Wool Realisation Commission from 1

July 1991 to December 1993. Also includes stocks of wool held under the Price Averaging Plan in 1970-71 to 1972-73. From July 1993 to 2004, includes stocks held on farms and unsold wool held in brokers' stores. From 2005, stocks held on farms is unavailable therefore the value is derived. e Wool International eastern market indicator from 1973-74 to 1994-95. Australian Wool Exchange eastern market indicator from 1995-96 onward. [Original market indicators for the period 1991-92 to 1993-94 can be calculated by dividing by 1.064. For the years between 1983-84 to 1990-91, divide by 1.114. For 1982-83 and earlier years, divide by 1.136]. na Not available.

Sources: ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Principal Agricultural Commodities, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Livestock, Australia*, cat. no. 7203.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; National Council of Wool Selling Brokers of Australia, *Statistics*, Melbourne; Australian Wool Exchange, Melbourne; Australian Wool Innovation Wool Production Forecasting Committee; ABARES.

225 Australian shorn wool production, by state

	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^a
Number of sheep shorn (million)							
1999-00	41.67	32.91	9.67	32.95	19.16	4.22	139.60
2000-01	48.80	24.15	10.84	27.94	14.89	3.89	127.00
2001-02	42.83	27.08	8.92	25.06	14.77	3.92	117.50
2002-03	43.77	24.42	5.38	24.86	14.28	3.97	117.50
2003-04	36.34	22.49	4.50	24.51	13.71	3.52	105.12
2004-05	38.91	24.23	5.84	23.88	12.70	2.89	108.44
2005-06	37.09	23.06	5.48	27.90	13.88	3.85	104.64
2006-07	34.00	25.12	5.44	25.99	15.35	4.21	110.08 ^s
2007-08	32.10	20.65	3.72	21.27	13.74	3.04	94.86 ^s
2008-09	27.91	18.44	4.05	21.08	12.29	2.71	84.23
2009-10	na	na	na	na	na	na	77.83 ^s
Average cut per head (kg greasy)							
1999-00	4.59	4.65	4.72	4.34	4.79	4.20	4.30
2000-01	4.50	4.58	4.51	4.33	5.09	3.61	4.31
2001-02	4.51	4.15	4.01	4.33	4.84	4.01	4.38
2002-03	4.35	4.16	3.84	4.43	4.50	3.74	4.28
2003-04	4.49	4.17	4.12	4.51	4.84	3.93	4.45
2004-05	4.26	4.11	4.40	4.51	5.03	4.17	4.29
2005-06	4.25	4.07	4.28	4.27	4.59	3.68	4.52
2006-07	4.09	3.80	4.15	4.07	4.83	3.13	4.09
2007-08	4.42	4.18	4.64	4.05	4.75	3.55	4.30
2008-09	4.40	4.20	4.10	4.10	4.60	3.90	4.40
2009-10	na	na	na	na	na	na	4.40 ^s
Shorn wool production (kt greasy)							
1999-00	191.26	152.89	45.66	142.99	91.80	17.71	642.31
2000-01	219.35	110.54	48.82	120.91	75.79	14.04	589.86
2001-02	193.00	112.50	35.80	108.39	71.45	15.73	536.87
2002-03	190.48	101.47	20.68	110.04	64.30	14.83	503.02
2003-04	163.10	93.79	18.55	110.61	66.41	13.87	467.58
2004-05	165.83	99.55	25.67	107.80	63.90	12.04	465.70
2005-06	157.58	93.90	23.45	119.22	63.77	14.17	472.53
2006-07	139.06	95.45	22.56	105.80	74.16	13.19	450.22
2007-08	141.88	86.32	17.27	86.15	65.26	10.78	407.88
2008-09	122.79	77.43	16.61	86.44	56.54	10.57	370.60
2009-10	na	na	na	na	na	na	341.33
Clean yield (%)							
1999-00	66.70	67.40	63.70	64.10	62.50	70.70	65.60
2000-01	67.60	67.50	65.00	62.40	63.40	70.20	65.80
2001-02	67.20	67.70	65.30	61.90	63.00	71.10	66.10
2002-03	65.40	66.30	63.00	61.00	61.80	70.80	64.80
2003-04	63.90	65.80	61.60	62.90	62.70	71.00	64.40
2004-05	63.50	65.90	62.30	62.00	62.00	70.60	64.20
2005-06	63.60	65.70	61.30	63.90	61.20	70.20	64.10
2006-07	62.60	64.20	61.00	61.50	61.70	69.60	62.90
2007-08	62.90	64.10	61.40	60.60	60.90	68.40	62.60
2008-09	63.20	63.70	62.60	61.70	60.50	67.20	62.80
2009-10	63.60	64.40	63.50	61.00	61.40	68.70	63.20

^a Includes the Northern Territory and the Australian Capital Territory. ^s ABARES estimate. na Not available.

Sources: ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Principal Agricultural Commodities*, cat. no.

7121.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; Australian Wool Innovation Wool Production Forecasting Committee; Australian Wool Testing Authority, *Key Test Data Summary*; ABARES.

226 Australian sheep disposal and wool production

	Unit	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Sheep disposal								
Opening number a	million	99.3	101.3	100.6	91.0	85.7	76.9	72.7
Lambs marked	million	36.3	37.2	35.1	34.1	33.1	32.5	30.3
Lambs slaughtered b	million	16.6	17.3	18.7	20.2	20.5	20.4	19.5
Sheep slaughtered b	million	10.4	11.4	11.8	13.3	11.2	10.5	7.3
Live sheep exports	million	3.8	3.2	4.2	4.1	4.1	4.1	3.1
Sheep deaths c	million	3.5	5.3	9.9	1.8	6.2	1.8	5.5
Closing number d	million	101.3	101.1	91.0	85.7	76.9	72.7	67.7
Wool production								
Number shorn	million	105.1	108.4	104.6	110.1	94.9	84.2	77.8 s
Cut per head	kg	4.45	4.29	4.52	4.09	4.30	4.40	4.40 s
Wool production (greasy)								
- shorn	kt	467.6	465.7	472.5	450.2	407.9	370.6	341.3 s
- on skins	kt	41.9	54.0	47.4	52.1	50.9	49.7	41.0 s
- total	kt	509.5	519.7	519.9	502.3	458.7	420.3	382.3
- clean yield	%	64.4	64.2	64.1	62.9	62.6	62.8	63.2

a Sheep and lambs at 1 July on enterprises with estimated value of agricultural operations (EVAO) of \$5000 or more. **b** For human consumption only, excludes slaughterings on farms since July 2007. **c** Calculated residually. **d** Sheep and lambs at 30 June on enterprises with an EVAO of \$5000 or more. **s** ABARES estimate. **na** Not available.

Sources: ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Principal Agricultural Commodities, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; ABARES.

227 Average prices for greasy wool in principal exporting countries

	Australia ^a c/kg	New Zealand ^{ab} c/kg	South Africa ^{ac} c/kg
1970-71	na	73.25	na
1971-72	na	na	na
1972-73	na	na	na
1973-74	361.20	na	na
1974-75	252.80	na	na
1975-76	271.80	180.01	na
1976-77	348.00	na	na
1977-78	354.70	na	na
1978-79	391.70	na	na
1979-80	462.00	na	na
1980-81	478.80	279.85	na
1981-82	501.90	na	na
1982-83	516.30	na	na
1983-84	540.30	na	na
1984-85	586.00	na	na
1985-86	594.90	358.09	na
1986-87	697.40	450.29	na
1987-88	1 117.40	532.70	na
1988-89	1 091.70	522.89	na
1989-90	969.20	467.83	na
1990-91	699.60	321.35	na
1991-92	592.60	313.76	na
1992-93	519.20	329.13	474.02
1993-94	547.00	338.13	507.48
1994-95	788.00	474.14	761.09
1995-96	658.05	433.23	592.35
1996-97	669.81	394.43	629.34
1997-98	733.15	389.82	666.87
1998-99	550.25	344.35	466.18
1999-00	627.00	352.11	487.54
2000-01	764.00	410.75	560.82
2001-02	841.00	418.87	627.20
2002-03	1 049.00	490.43	822.57
2003-04	820.00	413.23	629.95
2004-05	766.58	373.92	549.98
2005-06	713.33	326.12	513.18
2006-07	864.14	325.98	638.71
2007-08	945.00	324.52	948.23
2008-09	793.80	313.60	733.71
2009-10	871.70	301.19	898.04

^a Clean equivalent. Annual average prices for July–June years, converted to Australian cents using average exchange rates. ^b Average weighted price of private and auction sales. ^c SA market indicator price. na Not available.

Sources: Australian Wool Exchange, Melbourne; Meat and Wool New Zealand Economics Service, Wellington; International Wool Textile Organisation, Market Information, London; Reserve Bank of Australia; Cape Wools, Port Elizabeth; Ministry of Agriculture and Fisheries, Wellington.

228 Average world prices for synthetic fibres

	US polyester price a USc/lb	Chinese Taipei polyester price b USc/lb	Chinese Taipei acrylic price b USc/lb
1983-84	78.00	0.00	79.00
1984-85	72.00	0.00	80.00
1985-86	64.00	0.00	82.00
1986-87	62.00	0.00	83.00
1987-88	70.00	55.14	82.80
1988-89	79.00	75.39	77.00
1989-90	88.00	61.90	72.65
1990-91	77.00	50.54	70.76
1991-92	73.00	46.95	77.00
1992-93	73.00	47.07	74.68
1993-94	72.00	55.08	68.06
1994-95	81.70	76.85	93.20
1995-96	88.00	71.64	88.00
1996-97	72.00	57.24	78.00
1997-98	69.00	43.69	70.00
1998-99	53.00	35.27	54.00
1999-00	54.00	43.09	57.00
2000-01	59.75	40.99	59.00
2001-02	60.25	37.76	54.00
2002-03	62.20	42.00	na
2003-04	60.08	44.57	na
2004-05	66.25	50.78	na
2005-06	66.58	55.18	na
2006-07	73.17	58.76	na
2007-08	74.00	71.81	na
2008-09	na	61.98	na
2009-10	na	63.33	na

a Reported average market price for 1.5 denier polyester staple for cotton blending, landed group B mill points fob producing plants. Simple averages of weekly prices. **b** Simple averages of monthly prices. **c** Chinese Taipei staple, 1.5 denier. **d** Chinese Taipei staple, 3 denier. **na** Not available.

Sources: Osaka Senken Ltd, JTN Weekly, Osaka; US Department of Agriculture, *Cotton and Wool, Situation and Outlook Report*, Washington DC.

229 Australian wool exports, by destination, recorded trade basis

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Volume (kt greasy equivalent)								
China	208	211	267	325	384	309	323	331
Chinese Taipei	27	21	21	17	11	0	3	7
European Union ^a								
Czech Republic	9	14	13	19	15	18	9	11
France	22	19	11	2	0	0	0	0
Germany	17	16	10	7	3	2	1	1
Italy	80	62	63	47	41	37	23	11
United Kingdom	3	3	3	2	1	0	1	2
Other	19	15	17	16	7	2	1	1
Total	151	129	115	93	69	61	35	26
India	26	27	31	35	30	24	25	29
Japan	13	11	7	7	8	4	4	3
Korea, Rep. of	34	10	9	7	7	6	8	9
Thailand	13	13	11	8	5	5	3	5
Turkey	15	12	6	6	5	3	2	2
United States	5	3	4	4	5	2	1	2
Other	44	67	84	49	51	69	42	14
Total	536	504	554	551	576	482	445	428
Value (\$m)								
China	1 423	1 175	1 382	1 485	2 031	1 748	1 654	1 779
Chinese Taipei	178	108	93	73	66	1	12	41
European Union ^a								
Czech Republic	57	69	55	81	68	97	38	57
France	150	114	53	6	1	2	0	0
Germany	119	82	42	27	14	12	5	4
Italy	547	347	343	257	260	285	175	81
United Kingdom	18	17	12	8	7	2	3	9
Other	117	75	81	71	31	14	6	5
Total	1 009	703	585	450	382	412	227	155
India	177	154	154	156	162	144	131	155
Japan	88	59	34	34	42	22	17	17
Korea, Rep. of	225	60	47	34	28	30	37	41
Thailand	100	80	63	45	37	32	17	24
Turkey	104	81	29	27	22	14	8	10
United States	36	18	22	21	19	11	8	12
Other	240	340	410	206	272	383	209	67
Total	3 580	2 778	2 818	2 532	3 060	2 798	2 319	2 302

^a Regarded as 27 countries.

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

230 Volume of Australian exports of semi-processed shorn wool

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Scoured								
China	5.9	4.2	1.9	2.0	3.1	0.0	3.8	6.1
India	4.1	3.6	3.1	3.0	2.9	0.0	1.3	3.9
Italy	5.2	4.7	5.8	3.0	2.2	1.2	1.1	0.7
Japan	4.3	4.3	2.4	2.5	3.0	1.4	1.0	1.1
Korea, Rep. of	2.3	1.2	0.6	0.1	0.0	0.0	0.0	0.0
Malaysia	2.1	1.4	3.1	5.2	3.0	0.0	0.3	1.3
Thailand	8.5	8.1	6.2	5.2	3.5	2.5	0.7	2.0
Total	38.9	33.3	30.7	29.8	25.7	21.9	20.9	17.6
Carbonised								
China	6.4	7.0	6.8	5.5	4.1	2.0	3.5	2.6
Hong Kong	0.7	0.1	0.2	0.1	0.0	0.0	0.0	0.0
Italy	1.7	2.8	3.7	2.8	3.0	0.5	0.9	0.4
Japan	1.4	1.4	0.9	0.8	0.9	0.2	0.2	0.4
Korea, Rep. of	7.1	2.9	3.9	3.9	3.9	3.3	4.6	5.1
Turkey	0.9	1.3	1.3	1.1	1.1	0.9	0.3	0.6
Total	22.4	18.7	19.0	16.0	15.9	10.5	12.6	10.8
Tops and sliver								
China	6.6	1.1	0.2	0.2	0.1	1.1	0.6	0.0
Chinese Taipei	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Italy	8.4	1.0	0.1	0.1	0.2	1.3	1.2	0.7
Iran	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Japan	1.5	0.3	0.0	0.1	0.1	0.1	0.0	0.0
Korea, Rep. of	7.2	0.7	0.0	0.0	0.0	0.3	0.4	0.2
Mexico	1.0	0.2	0.0	0.0	0.0	0.0	0.3	0.2
No country detail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	32.7	20.3	16.4	8.3	7.1	7.2	3.8	2.3
Noils and waste								
China	0.1	0.2	0.2	0.0	0.0	0.1	0.0	0.1
France	0.4	0.1	0.9	0.4	0.3	0.1	0.0	0.0
Germany	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Italy	3.0	1.9	0.6	1.0	0.8	0.8	0.6	0.3
Japan	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Korea, Rep. of	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
United Kingdom	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	5.3	3.5	2.1	1.5	1.4	1.0	0.7	0.5

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

231 World wool production, by country and type

	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 kt	2007-08 kt	2008-09 kt	2009-10 kt
Greasy								
Country or region								
Afghanistan	14	11	11	11	10	10	10	na
Algeria	20	19	19	19	23	24	24	na
Argentina	68	76	80	78	71	65	54	54
Australia	551	509	520	520	502	459	420	382 ^s
Chile	15	15	14	14	10	10	10	na
China ^a	338	374	393	395	399	365	365	na
Ethiopia	11	11	11	12	12	12	12	na
France	17	17	17	17	22	22	22	na
Greece	14	14	13	13	9	9	9	na
India	48	48	45	45	46	46	46	na
Iran	54	54	54	54	75	75	75	na
Ireland	26	18	16	16	13	12	12	na
Italy	11	11	11	11	9	na	na	na
Mongolia	15	15	15	15	18	21	21	na
Morocco	38	38	38	38	40	40	40	na
New Zealand	228	218	216	225	217	206	158	195
Pakistan	40	40	40	40	46	41	41	na
Peru	12	12	11	11	11	11	11	na
Romania	17	18	18	18	18	18	18	na
Russian Federation	141	146	148	145	166	172	172	na
Azerbaijan	12	12	13	14	14	15	15	na
Kazakhstan	27	28	30	32	34	35	35	na
Kyrgyzstan	11	10	10	11	10	11	11	na
Russia	43	46	48	49	51	52	52	na
Turkmenistan	18	18	18	18	20	21	21	na
Uzbekistan	17	19	20	21	22	24	24	na
Other CIS	12	13	13	13	14	14	14	na
South Africa ^b	44	46	46	46	47	48	48 ^s	49 ^s
Spain	36	36	36	36	30	32	32	na
Sudan	45	45	45	45	46	47	47	na
Syria	22	22	22	22	34	36	36	na
Turkey	54	54	46	46	46	47	47	na
United Kingdom	44	43	43	43	37	37	37	na
United States	20	19	19	19	18	17	15	na
Uruguay	41	37	38	46	47	43	39	36
Other producers	157	154	151	150	195	196	142	na
World	2 135	2 132	2 144	2 156	2 216	2 120	1 962	na
Clean								
Wool type								
Fine wool (<=24.5um)	470	464	466	469	444	na	na	na
Medium wool (24.6-32.5um)	260	260	260	263	264	na	na	na
Coarse wool (>32.5um)	491	496	493	502	495	na	na	na
World	1 220	1 220	1 218	1 235	1 225	1 202	1 170 ^s	1 055 ^s

^a Includes Manchuria, Sinkiang and Tibet. ^b Excluding Lesotho and Namibia. ^s ABARES estimate. na Not available.

Sources: Beef and Lamb New Zealand, Wellington; Uruguayan Wool Secretariat; Cape Wools, Port Elizabeth; Argentine Wool Board; International Wool Textile Organisation, Market Information, London; Chinese Statistical Year Book; ABARES.

232 Volume of raw wool exports, by main producing countries ^a

	Australia kt	New Zealand kt	Argentina ^b kt	Uruguay ^c kt	South Africa kt	Total kt
1987-88	925	331	116	91	80	1 543
1988-89	877	329	85	80	83	1 454
1989-90	758	257	104	103	72	1 293
1990-91	719	254	94	107	86	1 261
1991-92	931	302	81	109	89	1 513
1992-93	868	240	81	92	66	1 347
1993-94	911	299	109	115	66	1 500
1994-95	815	291	95	68	63	1 332
1995-96	770	186	77	82	29	1 145
1996-97	858	200	83	17	19	1 176
1997-98	798	192	25	9	24	1 048
1998-99	682	171	24	10	25	912
1999-00	799	182	30	14	21	1 046
2000-01	848	179	21	12	17	1 077
2001-02	700	163	22	10	21	916
2002-03	536	148	24	10	21	739
2003-04	504	153	18	9	24	708
2004-05	554	144	20	8	28	754
2005-06	551	161	12	19	28	771
2006-07	576	155	15	25	31	801
2007-08	482	147	28	25	31	714
2008-09	445	154	16	13	32	660
2009-10	428	na	na	na	na	na

^a Greasy equivalent. Includes raw, semiprocessed and wool on skins. For New Zealand and South Africa, does not include wool exported on skins.

^b October-September years to 1993-94; July-June years from 1994-95. ^c October-September years. na Not available.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Banco Central del Uruguay; Cape Wools SA, South Africa; Commonwealth Secretariat, *Wool Quarterly*, London; Federación Lanera Argentina, *Informe Mensual Estadístico*, Buenos Aires; International Wool Textile Organisation, *International Wool Textile Overview*, London; Ministry of Agriculture, *Situation and Outlook for New Zealand Agriculture*, Wellington; New Zealand Wool Board, *Statistical Handbook*, Wellington; Beef and Lamb New Zealand, Wellington; Secretaría Uruguayo de la Lana based on Banco de la República Oriental del Uruguay data; South African Wool Board, *Statistical Review of the Wool Season*, South Africa; Woolmark.

233 Market prices for Australian wool, by category ^a

	2002-03 c/kg	2003-04 c/kg	2004-05 c/kg	2005-06 c/kg	2006-07 c/kg	2007-08 c/kg	2008-09 c/kg	2009-10 c/kg
19 micron	1 206.0	966.3	951.7	888.0	1 057.0	1 180.0	994.2	1 047.1
20 micron	1 150.9	913.4	839.8	776.0	955.0	1 033.0	809.5	923.6
21 micron	1 143.0	887.8	779.1	723.0	900.0	965.0	774.4	902.5
22 micron	1 133.9	865.1	742.5	702.0	861.0	924.0	759.2	879.5
23 micron	1 119.3	841.6	715.4	689.0	832.0	890.0	747.4	854.6
24 micron	1 096.2	811.4	673.8	669.0	766.0	828.0	719.7	800.8
25 micron	1 035.7	762.7	620.8	615.0	656.0	693.0	599.7	686.6
30 micron	595.6	430.9	451.7	426.0	415.0	359.0	414.2	399.3
Eastern market indicator	1 049.0	820.0	766.6	713.3	864.1	945.0	793.8	871.7
Western market indicator	1 051.2	821.3	746.5	691.7	855.9	946.9	761.7	863.2

^a Clean basis. Micron prices are averages of the Australian Wool Exchange northern and southern region indicators from 1998-99.

Sources: Wool International, *Wool Market Weekly, Annual Price Summary*, Melbourne; Australian Wool Exchange, *Weekly Wool Market Review*, Melbourne.

