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**Department of Agriculture  
and Water Resources**  
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# Agricultural commodity statistics 2016

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# Foreword

*Agricultural commodity statistics* provides a comprehensive compilation of data on the Australian economy and the agriculture, fisheries and forestry sectors. The tables presented here contain current data and historical data, with some series extending more than 40 years. This provides useful information for decision-makers to monitor industry developments over time.

The information contained in *Agricultural commodity statistics* underpins and complements ABARES analysis and can be used in conjunction with ABARES forecasts updated throughout the year in *Agricultural commodities* and *Australian crop report*. The information from these publications is presented at our national and regional Outlook conferences ([agriculture.gov.au/abares/conferences-events](http://agriculture.gov.au/abares/conferences-events)).

Other ABARES publications containing more detailed commodity data are *Australian forest and wood products statistics* and *Australian fisheries and aquaculture statistics*. A range of other research reports and tools can also be found at [agriculture.gov.au/abares](http://agriculture.gov.au/abares). These cover a wide range of economic and scientific information and data that can be downloaded at national, state and regional levels. Visit the webpage for a full picture of ABARES publications on the physical and financial characteristics of the rural sector.

**Peter Gooday**  
Executive Director (Acting), ABARES  
December 2016

# 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 <sup>3</sup>	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	
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	
ABARES	Australian Bureau of Agricultural and Resource Economics and Sciences	
ABS	Australian Bureau of Statistics	
ANZSIC	Australian and New Zealand Standard Industrial Classification	
BAE	Bureau of Agricultural Economics (now ABARES)	
BRS	Bureau of Rural Sciences (now ABARES)	
EVAO	Estimated value of agricultural operations	
FAO	Food and Agriculture Organization of the United Nations	
USDA	United States Department of Agriculture	

All values and prices are in nominal terms unless stated in table footnotes.

Small discrepancies in totals are generally caused by rounding. Zero is used to denote nil or a negligible amount.

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## **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  
Taiwan

### **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  
Burma  
Cambodia  
Indonesia  
Laos  
Malaysia  
Philippines  
Singapore  
Thailand  
Vietnam

## **European Union**

### **Founding members (1957)**

Belgium  
France  
Germany  
Italy  
Luxembourg  
Netherlands

### **First enlargement (1973)**

Denmark  
Ireland  
United Kingdom

### **Second enlargement (1981)**

Greece

### **Third enlargement (1986)**

Portugal  
Spain

### **Fourth enlargement (1995)**

Austria  
Finland  
Sweden

### **Fifth enlargement (2004)**

Cyprus  
Czech Republic  
Estonia  
Hungary  
Latvia  
Lithuania  
Malta  
Poland  
Slovakia  
Slovenia

### **Sixth enlargement (2007)**

Bulgaria  
Romania

### **Seventh enlargement (2013)**

Croatia

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# Australian economy







**TABLE 1** Australian gross product, by sector

	Chain volume measures <sup>a</sup>		Nominal prices	
	Rural		Gross domestic product	Gross domestic product
	Farm \$m	Total <sup>b</sup> \$m	\$m	\$m
1972–73	na	na	449 223	49 781
1973–74	na	na	467 625	60 324
1974–75	13 384	15 427	470 907	71 199
1975–76	14 607	16 702	483 110	83 277
1976–77	14 967	17 148	500 538	96 129
1977–78	14 443	16 586	505 034	104 974
1978–79	17 950	20 188	525 518	118 659
1979–80	15 429	17 706	541 560	134 524
1980–81	13 198	15 522	559 735	152 282
1981–82	15 775	18 062	578 315	175 781
1982–83	12 025	14 113	565 414	189 313
1983–84	17 890	20 223	591 597	213 667
1984–85	17 950	20 263	622 652	235 281
1985–86	17 056	18 849	648 182	260 590
1986–87	16 877	19 050	664 895	286 185
1987–88	16 155	18 638	703 305	324 546
1988–89	16 681	19 460	730 599	368 358
1989–90	18 238	21 055	756 395	404 699
1990–91	19 367	22 222	753 556	415 443
1991–92	18 352	21 044	756 844	423 498
1992–93	19 764	22 151	787 589	444 569
1993–94	20 731	23 068	819 498	467 210
1994–95	16 809	19 687	851 371	496 150
1995–96	21 146	23 856	884 990	529 598
1996–97	22 715	25 818	919 925	557 246
1997–98	22 551	25 858	960 772	589 393
1998–99	25 087	28 368	1 008 877	621 000
1999–2000	26 211	30 224	1 047 898	661 515
2000–01	27 199	31 397	1 068 123	706 042
2001–02	28 125	32 280	1 109 277	754 228
2002–03	20 995	25 462	1 143 313	801 587
2003–04	27 275	32 030	1 190 711	862 218
2004–05	28 559	33 387	1 228 856	922 844
2005–06	29 403	34 290	1 265 452	998 457
2006–07	24 117	29 125	1 312 902	1 087 440
2007–08	26 088	31 106	1 361 455	1 178 810
2008–09	31 307	36 663	1 386 125	1 259 281
2009–10	31 038	36 373	1 413 930	1 297 508
2010–11	32 339	37 680	1 447 478	1 410 443
2011–12	32 716	38 219	1 500 084	1 491 741
2012–13	32 479	38 001	1 538 634	1 527 529
2013–14	32 712	38 267	1 578 785	1 589 941
2014–15	32 958	38 578	1 617 016	1 617 017
2015–16	30 935	36 471	1 660 026	1 654 486

<sup>a</sup> Reference year is 2014–15. Original series, based on ANZSIC codes. For more information on chain volume measures, see the Australian Bureau of Statistics information paper *Australian National Accounts, Introduction of Chain Volume and Price Indexes*, cat. no. 5248.0, released 19 March 1998. <sup>b</sup> Includes farm, forestry, fishing and hunting. **na** Not available.

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

**TABLE 2** Australian employment, by sector a

	Rural				Manufacturing				Total employment
	Agriculture	Commercial fishing b	Forestry and logging	Support services	Total	Food, beverage and tobacco	Total	Other	
	'000	'000	'000	'000	'000	'000	'000	'000	'000
1972–73	388	na	na	na	434	na	na	na	5 680
1973–74	377	na	na	na	427	na	na	na	5 863
1974–75	368	na	na	na	414	na	na	na	5 856
1975–76	365	na	na	na	401	na	na	na	5 929
1976–77	360	na	na	na	393	na	na	na	5 966
1977–78	351	na	na	na	390	na	na	na	6 018
1978–79	348	na	12	na	388	na	1 205	4 448	6 041
1979–80	364	na	11	na	404	na	1 242	4 541	6 187
1980–81	367	na	17	na	414	na	1 246	4 688	6 348
1981–82	363	na	16	na	409	na	1 249	4 767	6 425
1982–83	374	na	14	na	417	na	1 163	4 741	6 321
1983–84	367	na	13	na	407	na	1 139	4 822	6 368
1984–85	361	na	12	17	403	na	1 139	5 021	6 563
1985–86	386	11	9	20	425	182	1 082	5 342	6 850
1986–87	377	17	8	18	420	182	1 076	5 524	7 020
1987–88	375	17	7	17	416	189	1 108	5 694	7 219
1988–89	384	18	10	21	432	191	1 150	5 955	7 537
1989–90	381	15	8	22	426	195	1 152	6 245	7 822
1990–91	387	15	8	22	432	187	1 093	6 237	7 762
1991–92	352	13	8	16	389	194	1 047	6 180	7 616
1992–93	344	15	8	17	384	197	1 042	6 162	7 588
1993–94	350	14	8	19	391	186	1 047	6 294	7 733
1994–95	342	15	9	19	385	199	1 072	6 564	8 020
1995–96	356	19	8	18	401	205	1 065	6 787	8 252
1996–97	360	13	8	22	402	194	1 078	6 820	8 300
1997–98	365	14	10	25	413	202	1 068	6 920	8 402
1998–99	363	14	10	27	415	195	1 029	7 099	8 543
1999–2000	380	16	6	28	431	196	1 049	7 267	8 747
2000–01	364	20	10	27	422	197	1 060	7 454	8 936
2001–02	380	19	9	24	433	201	1 034	7 595	9 062
2002–03	321	18	7	23	370	202	1 064	7 863	9 297
2003–04	316	15	9	24	366	191	1 022	8 042	9 429
2004–05	305	13	9	24	355	214	1 039	8 279	9 673
2005–06	298	12	8	26	345	202	1 012	8 603	9 961
2006–07	300	9	8	24	343	211	1 013	8 889	10 246
2007–08	293	13	8	28	343	225	1 049	9 166	10 558
2008–09	311	9	7	22	350	221	1 014	9 389	10 752
2009–10	308	12	7	23	351	220	987	9 505	10 843
2010–11	294	12	5	23	337	220	970	9 804	11 111
2011–12	277	11	8	23	321	219	938	9 987	11 247
2012–13	261	9	6	22	301	215	934	10 146	11 381
2013–14	270	9	6	24	311	223	926	10 211	11 448
2014–15	275	14	5	21	318	228	913	10 422	11 653
2015–16	282	11	6	20	322	228	877	10 682	11 881

a Average employment over four quarters, based on ANZSIC 2006 and equivalent ASIC codes. b Includes aquaculture, fishing, hunting and trapping. na Not available.

Sources: Australian Bureau of Statistics (ABS), *The Labour Force, Australia*, cat. no. 6203.0, Canberra; ABS, *The Labour Force, Australia, 1979 to 1990*, cat. no. 6204.0, Canberra

**TABLE 3** Value of Australian exports, by sector – balance of payments basis

	Rural products						Total merchandise \$m	Services \$m	Total goods and services \$m
	Cereal grains and products \$m	Sugar and honey \$m	Meat and meat preparations \$m	Wool and sheepskins \$m	Other rural a \$m	Total a \$m			
<b>At current prices</b>									
1972–73	421	259	857	1 270	592	3 399	6 110	930	7 040
1973–74	748	230	795	1 242	588	3 603	6 861	1 064	7 925
1974–75	1 460	661	444	770	605	3 940	8 656	1 504	10 160
1975–76	1 397	599	668	1 043	730	4 437	9 628	1 625	11 253
1976–77	1 317	645	886	1 558	935	5 341	11 618	1 851	13 469
1977–78	1 330	544	1 118	1 292	1 075	5 359	12 208	2 087	14 295
1978–79	1 182	466	1 711	1 608	1 390	6 357	14 292	2 676	16 968
1979–80	2 957	719	1 729	1 790	1 667	8 862	18 946	3 147	22 093
1980–81	2 339	1 198	1 592	1 920	1 648	8 697	19 095	3 587	22 682
1981–82	2 494	794	1 417	1 893	1 799	8 397	19 742	4 032	23 774
1982–83	1 837	596	1 632	1 819	2 020	7 904	21 313	4 396	25 709
1983–84	2 861	665	1 357	1 960	2 135	8 978	24 049	4 921	28 970
1984–85	4 000	625	1 409	2 651	2 509	11 194	30 200	5 648	35 848
1985–86	3 848	652	1 698	3 028	2 972	12 198	32 603	6 456	39 059
1986–87	2 759	698	2 247	3 920	3 570	13 194	36 406	7 858	44 264
1987–88	2 298	701	2 557	5 806	3 979	15 341	41 915	9 865	51 780
1988–89	2 828	933	2 270	5 981	4 053	16 065	44 292	11 383	55 675
1989–90	3 288	1 102	2 936	3 752	4 490	15 568	49 027	12 143	61 170
1990–91	2 436	948	3 173	2 886	4 888	14 331	52 685	13 886	66 571
1991–92	2 352	743	3 434	3 832	5 633	15 994	55 537	14 974	70 511
1992–93	2 954	1 072	3 743	3 356	6 418	17 543	60 787	17 129	77 916
1993–94	3 205	1 315	4 042	3 367	7 066	18 995	64 514	19 347	83 861
1994–95	2 521	1 729	3 660	4 215	7 467	19 592	67 191	21 420	88 611
1995–96	4 922	1 708	3 292	3 667	8 369	21 958	76 309	23 614	99 923
1996–97	5 957	1 694	2 959	3 741	9 273	23 624	81 057	25 419	106 476
1997–98	5 096	1 941	3 730	4 016	10 462	25 245	88 583	26 763	115 346
1998–99	5 017	1 472	4 007	2 603	11 593	24 692	85 636	28 236	113 872
1999–00	4 942	1 229	4 469	2 961	13 064	26 665	97 685	30 735	128 420
2000–01	5 937	1 330	5 795	3 894	15 730	32 686	120 201	35 985	156 186
2001–02	6 482	1 610	6 248	3 694	16 379	34 413	121 067	34 696	155 763
2002–03	4 487	1 365	5 656	3 602	14 792	29 902	115 895	35 619	151 514
2003–04	5 093	1 129	5 758	2 813	13 984	28 777	109 418	37 122	146 540
2004–05	5 160	1 296	6 933	2 836	14 057	30 282	127 811	38 822	166 633
2005–06	4 852	1 765	6 709	2 543	14 531	30 400	154 044	41 519	195 563
2006–07	4 171	1 671	7 080	3 064	14 320	30 306	169 620	46 557	216 177
2007–08	4 975	1 158	6 542	2 800	14 512	29 987	182 925	49 822	232 747
2008–09	6 881	1 500	7 454	2 322	15 871	34 028	231 615	51 846	283 461
2009–10	5 266	2 067	6 350	2 303	14 507	30 493	201 805	50 349	252 154
2010–11	7 351	1 619	6 930	3 048	15 901	34 849	247 006	51 046	298 052
2011–12	9 061	1 746	7 121	3 123	18 055	39 106	265 735	51 558	317 293
2012–13	9 285	1 615	7 645	2 869	19 052	40 466	248 889	52 728	301 617
2013–14	9 317	1 564	9 862	2 877	20 444	44 064	273 867	57 109	330 976
2014–15	8 888	1 820	12 975	3 154	20 474	47 311	255 612	62 686	318 298
2015–16 s	7 986	1 603	12 256	3 283	22 645	47 773	244 006	68 306	312 312

a Prior to 1989–90, wine and paper and paperboard are excluded. s ABARES estimate for sugar and honey for latest year.

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

**TABLE 4** Value of Australian exports, by sector a – chain volume measures

	Rural products						Total merchandise c	Services c	Total goods and services c
	Cereal grains and products	Sugar and honey	Meat and meat preparations	Wool and sheepskins	Other rural b	Total b			
1972–73	na	na	na	na	na	na	35 248	6 762	41 459
1973–74	na	na	na	na	na	na	32 835	6 736	38 952
1974–75	2 624	811	3 146	2 965	1 979	11 525	35 377	8 127	42 764
1975–76	2 675	828	4 285	4 009	2 399	14 196	37 382	7 737	44 434
1976–77	2 743	1 026	5 155	4 495	2 582	16 001	40 388	7 859	47 609
1977–78	3 248	981	5 659	3 490	2 562	15 940	41 184	8 211	48 681
1978–79	2 385	758	5 932	4 035	2 998	16 108	43 416	9 651	52 136
1979–80	4 803	943	4 554	3 817	3 182	17 299	46 804	9 889	55 819
1980–81	3 308	1 028	4 365	3 886	2 990	15 577	43 220	10 804	53 110
1981–82	3 628	1 032	4 313	3 668	3 162	15 803	44 236	11 078	54 364
1982–83	2 562	1 066	4 592	3 478	3 159	14 857	44 504	11 017	54 647
1983–84	3 762	998	3 357	3 553	3 000	14 670	48 147	11 590	58 817
1984–85	5 091	1 076	3 295	4 318	3 312	17 092	56 226	12 562	67 897
1985–86	4 972	1 152	3 842	4 524	3 748	18 238	58 240	13 158	70 467
1986–87	4 335	1 083	4 538	5 313	4 116	19 385	63 814	14 779	77 532
1987–88	3 575	1 133	5 012	5 218	4 081	19 019	67 740	17 599	84 083
1988–89	3 293	1 248	4 375	4 844	4 174	17 934	66 815	19 489	84 955
1989–90	3 450	1 243	5 229	3 554	6 127	19 603	70 528	19 725	88 923
1990–91	3 630	1 179	5 835	3 780	6 896	21 320	78 951	21 398	98 931
1991–92	2 919	1 029	6 279	5 655	7 865	23 747	87 034	22 785	108 285
1992–93	3 342	1 386	6 726	5 095	8 606	25 155	92 054	25 861	116 311
1993–94	4 098	1 526	6 849	5 320	9 214	27 007	100 004	29 099	127 348
1994–95	2 924	1 865	6 678	4 922	9 258	25 647	102 391	32 349	132 967
1995–96	4 334	2 047	6 524	4 636	10 081	27 622	113 228	34 936	146 211
1996–97	5 901	2 146	6 338	4 987	11 912	31 284	127 091	37 203	162 124
1997–98	5 141	2 231	7 180	4 752	13 323	32 627	133 271	38 723	169 705
1998–99	5 793	1 949	7 627	4 032	15 011	34 412	134 777	40 480	172 965
1999–00	5 881	1 853	7 926	4 692	17 726	38 078	148 976	43 410	189 774
2000–01	6 073	1 452	8 964	4 960	19 460	40 909	157 964	50 140	205 526
2001–02	6 570	1 854	8 573	4 228	20 106	41 331	159 023	47 271	203 870
2002–03	4 496	1 919	8 626	3 378	20 216	38 635	159 627	47 072	204 276
2003–04	6 031	1 912	8 343	3 356	19 956	39 598	160 818	48 349	206 748
2004–05	6 613	1 976	9 318	3 811	20 285	42 003	166 868	49 357	213 643
2005–06	6 150	1 897	9 228	3 640	20 582	41 497	170 265	51 455	219 093
2006–07	4 776	1 789	9 987	3 800	20 307	40 659	174 483	56 150	227 611
2007–08	3 896	1 626	9 585	3 195	19 131	37 433	180 425	58 457	235 698
2008–09	5 474	1 535	9 735	2 910	20 038	39 692	184 068	58 897	239 823
2009–10	6 036	1 657	9 045	2 856	19 503	39 097	197 617	56 081	252 151
2010–11	7 664	1 358	9 212	2 925	19 405	40 564	200 228	55 721	254 492
2011–12	9 929	1 338	9 457	2 634	21 366	44 724	212 919	54 919	267 231
2012–13	9 724	1 526	10 484	3 041	23 330	48 105	226 440	55 054	281 550
2013–14	9 433	1 534	12 221	2 932	23 109	49 229	240 175	58 093	298 362
2014–15	8 889	1 821	12 975	3 153	23 436	50 274	255 612	62 686	318 298
2015–16 s	8 181	na	11 978	2 766	na	na	271 977	67 656	339 633

a Reference year 2014–15. b Prior to 1989–90, wine and paper and paperboard are excluded. c Balance of payments basis. s ABARES estimate for sugar and honey. na Not available.

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

**TABLE 5** Australian rural unit export returns <sup>a</sup>

	<b>Farm</b>	<b>Forest and fisheries products</b>	<b>Total</b>
1989–90	100.0	100.0	100.0
1990–91	84.4	100.0	85.8
1991–92	88.0	103.5	89.1
1992–93	90.1	107.3	91.7
1993–94	90.6	121.1	93.3
1994–95	101.0	123.6	103.0
1995–96	106.5	120.7	107.8
1996–97	95.5	120.0	97.6
1997–98	102.9	120.8	104.5
1998–99	94.0	117.7	96.0
1999–2000	90.9	128.7	94.1
2000–01	109.6	139.9	112.2
2001–02	118.0	138.7	119.7
2002–03	114.7	135.1	116.5
2003–04	105.4	124.9	107.0
2004–05	104.1	126.3	106.0
2005–06	104.0	129.4	106.2
2006–07	109.0	133.7	111.2
2007–08	121.2	138.6	122.6
2008–09	121.4	146.7	123.5
2009–10	106.8	139.1	109.5
2010–11	118.1	140.2	119.9
2011–12	118.5	137.1	120.1
2012–13	115.8	134.6	117.4
2013–14	124.6	144.5	126.3
2014–15	132.9	154.9	134.8
2015–16	140.1	157.8	141.7

<sup>a</sup> In Australian dollars. Base: 1989–90 = 100.

Source: ABARES

TABLE 6 Australian main macroeconomic indicators

	Growth of real gross domestic product %	Interest rates		Inflation c %	Consumer price index d
		Short term a %	Long term b %		
1972-73	2.6	5.1	5.9	6.0	11.4
1973-74	4.1	11.3	8.2	12.7	12.8
1974-75	1.3	10.5	9.5	16.9	15.0
1975-76	2.6	8.6	10.0	12.8	16.9
1976-77	3.6	9.8	10.2	13.7	19.3
1977-78	0.9	10.3	9.6	9.8	21.1
1978-79	4.1	9.5	9.2	8.0	22.8
1979-80	3.1	11.0	10.7	10.3	25.2
1980-81	3.4	13.4	12.6	9.3	27.5
1981-82	3.3	16.8	15.2	10.4	30.4
1982-83	- 2.2	14.3	14.5	11.5	33.9
1983-84	4.6	11.9	13.9	6.9	36.2
1984-85	5.2	13.2	13.4	4.3	37.8
1985-86	4.1	16.7	13.7	8.4	40.9
1986-87	2.6	15.9	13.6	9.3	44.7
1987-88	5.8	11.9	12.5	7.4	48.0
1988-89	3.9	15.5	12.9	7.3	51.5
1989-90	3.5	17.0	13.3	8.1	55.7
1990-91	- 0.4	12.3	12.1	5.3	58.6
1991-92	0.4	8.2	9.9	1.9	59.7
1992-93	4.1	5.6	8.3	1.0	60.3
1993-94	4.1	4.9	7.4	1.8	61.4
1994-95	3.9	7.2	9.9	3.2	63.4
1995-96	3.9	7.5	8.7	4.3	66.1
1996-97	3.9	6.3	7.7	1.3	67.0
1997-98	4.4	5.0	6.0	0.0	67.0
1998-99	5.0	4.9	5.4	1.3	67.8
1999-2000	3.9	5.6	6.5	2.4	69.4
2000-01	1.9	5.8	5.8	6.0	73.6
2001-02	3.9	4.6	5.9	2.9	75.7
2002-03	3.1	4.8	5.4	3.0	78.0
2003-04	4.1	5.3	5.7	2.4	79.9
2004-05	3.2	5.5	5.4	2.4	81.8
2005-06	3.0	5.7	5.4	3.2	84.4
2006-07	3.7	6.3	5.8	3.0	86.9
2007-08	3.7	7.3	6.2	3.4	89.8
2008-09	1.8	4.8	5.0	3.1	92.6
2009-10	2.0	4.0	5.5	2.3	94.8
2010-11	2.4	4.9	5.3	3.1	97.7
2011-12	3.6	4.4	4.0	2.3	100.0
2012-13	2.6	3.2	3.2	2.3	102.3
2013-14	2.6	2.6	4.0	2.7	105.0
2014-15	2.4	2.5	3.0	1.7	106.8
2015-16	2.7	2.2	2.6	1.4	108.3

a 3-month bank accepted bills, average of monthly data from 1972-73 to 1975-76, average of daily data from 1976-77. b 10-year Treasury bonds, average of monthly data. c Percentage change in the consumer price index. d 2011-12 = 100.

Sources: Australian Bureau of Statistics (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

**TABLE 7** Australian trade balance and foreign debt

	Balance on		Current account		Terms of trade <b>b</b>	Net foreign debt <b>c</b>	
	goods and services		balance <b>a</b>			Level	Share of GDP <b>e</b>
	Imports	Exports	Level	Share of GDP <b>e</b>			
	\$m	\$m	\$m	%	\$m	%	
1972–73	5 512	7 040	1 040	2.0	72.2	na	na
1973–74	7 996	7 925	– 583	–1.0	77.6	na	na
1974–75	10 510	10 160	– 874	–1.3	70.6	na	na
1975–76	11 163	11 253	–1 026	–1.3	67.4	na	na
1976–77	14 106	13 469	–1 996	–2.0	65.2	na	na
1977–78	15 342	14 295	–2 573	–2.4	59.3	na	na
1978–79	18 260	16 968	–3 159	–2.7	59.7	na	na
1979–80	21 444	22 093	–1 591	–1.2	61.9	na	na
1980–81	25 530	22 682	–5 143	–3.4	61.4	na	na
1981–82	29 623	23 774	–8 365	–4.8	60.4	na	na
1982–83	29 626	25 709	–6 139	–3.2	59.5	na	na
1983–84	32 096	28 970	–7 029	–3.4	61.0	na	na
1984–85	40 749	35 848	–10 417	–4.5	60.0	na	na
1985–86	47 148	39 059	–14 499	–5.6	54.3	na	na
1986–87	48 938	44 264	–11 573	–4.0	51.4	na	na
1987–88	54 036	51 780	–10 459	–3.2	55.8	na	na
1988–89	62 588	55 675	–18 437	–5.0	64.1	114 598	31.1
1989–90	69 204	61 170	–23 248	–5.8	64.3	130 999	32.3
1990–91	67 389	66 571	–16 623	–4.0	60.9	142 849	34.4
1991–92	69 653	70 511	–12 888	–3.0	59.0	161 651	38.2
1992–93	79 586	77 916	–14 157	–3.2	56.6	175 799	39.5
1993–94	86 346	83 861	–15 342	–3.3	55.0	169 420	36.3
1994–95	98 366	88 611	–26 544	–5.4	56.8	188 427	38.0
1995–96	102 237	99 923	–20 318	–3.9	58.6	190 999	36.1
1996–97	104 746	106 476	–16 363	–2.9	60.4	205 313	36.9
1997–98	119 962	115 346	–22 654	–3.9	60.0	223 125	37.8
1998–99	128 062	113 872	–33 096	–5.3	57.1	225 327	36.3
1999–2000	141 848	128 420	–32 182	–4.9	59.4	266 734	40.3
2000–01	154 943	156 186	–17 923	–2.6	60.4	295 880	41.9
2001–02	155 588	155 763	–19 503	–2.6	61.3	316 712	42.0
2002–03	168 517	151 514	–38 857	–4.8	62.2	348 471	43.4
2003–04	169 806	146 540	–47 454	–5.5	66.8	378 991	43.9
2004–05	191 675	166 633	–59 603	–6.5	73.2	421 888	45.7
2005–06	213 598	195 563	–57 461	–5.8	81.1	489 461	49.0
2006–07	233 676	216 177	–66 111	–6.1	87.0	535 964	49.3
2007–08	263 381	232 747	–78 651	–6.7	91.8	599 314	50.8
2008–09	282 178	283 461	–42 983	–3.4	98.8	620 034	49.2
2009–10	264 754	252 154	–64 236	–5.0	94.9	675 246	52.0
2010–11	283 397	298 052	–43 689	–3.1	114.4	671 174	47.6
2011–12	318 859	317 293	–48 989	–3.4	114.9	750 435	50.3
2012–13	318 933	301 617	–56 994	–3.8	103.8	813 217	53.2
2013–14	335 247	330 976	–47 458	–3.0	100.0	887 914	55.8
2014–15	341 683	318 298	–58 622	–3.6	89.8	969 514	60.0
2015–16	349 139	312 312	–74 578	–4.5	81.1	1047 703	63.3

**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: 2013–14 = 100. **c** As at 30 June.

**d** Average of quarterly data. **e** Seasonally adjusted. **na** Not available.

Sources: Australian Bureau of Statistics (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,

**TABLE 8** Australian exchange rates with selected countries <sup>a</sup>

	Japan ¥/A\$	United States US\$/A\$	New Zealand NZ\$/A\$	Korea, Rep. of won/A\$	United Kingdom £/A\$	Euro €/A\$	Trade weighted index <b>b</b>
1972–73	367.32	1.2835	1.0320	513.89	0.5235	na	104.4
1973–74	408.19	1.4743	1.0335	587.02	0.6165	na	115.5
1974–75	404.94	1.3700	1.0160	611.19	0.5840	na	107.7
1975–76	379.39	1.2613	1.1930	610.30	0.6330	na	105.3
1976–77	330.52	1.1531	1.1930	557.44	0.6740	na	96.3
1977–78	273.88	1.1276	1.1270	545.95	0.6180	na	89.3
1978–79	227.36	1.1365	1.0790	549.96	0.5680	na	83.2
1979–80	259.57	1.1143	1.1323	594.25	0.4995	na	83.8
1980–81	248.28	1.1612	1.2331	759.70	0.5082	na	87.6
1981–82	257.36	1.1048	1.3742	776.58	0.6007	na	91.0
1982–83	232.66	0.9383	1.3334	705.45	0.5808	na	81.8
1983–84	211.19	0.9155	1.3993	729.62	0.6459	na	81.5
1984–85	193.46	0.7772	1.6161	645.98	0.6369	na	75.5
1985–86	141.08	0.7001	1.2977	620.97	0.4871	na	62.3
1986–87	101.30	0.6630	1.2387	569.06	0.4350	na	53.8
1987–88	97.75	0.7288	1.1284	567.51	0.4172	na	54.8
1988–89	106.93	0.8153	1.3075	564.16	0.4755	na	61.6
1989–90	113.15	0.7696	1.3108	527.24	0.4733	na	60.0
1990–91	107.73	0.7858	1.3100	565.11	0.4239	na	58.9
1991–92	101.08	0.7697	1.3873	583.58	0.4388	na	55.4
1992–93	84.29	0.7036	1.3212	556.88	0.4359	na	52.3
1993–94	73.37	0.6918	1.2275	559.13	0.4621	na	51.4
1994–95	70.31	0.7424	1.1747	584.58	0.4705	na	52.8
1995–96	77.58	0.7591	1.1371	589.30	0.4906	na	54.8
1996–97	90.40	0.7830	1.1249	666.46	0.4856	na	58.7
1997–98	85.98	0.6817	1.1472	850.59	0.4144	na	58.3
1998–99	77.88	0.6270	1.1860	782.51	0.3819	0.5917	56.0
1999–2000	67.95	0.6289	1.2491	725.22	0.3948	0.6275	55.2
2000–01	61.47	0.5383	1.2671	652.02	0.3706	0.6029	50.3
2001–02	66.04	0.5238	1.2162	676.69	0.3631	0.5849	50.6
2002–03	69.96	0.5845	1.1235	705.30	0.3684	0.5577	53.4
2003–04	78.86	0.7124	1.1358	836.76	0.4100	0.5977	61.4
2004–05	80.44	0.7525	1.0815	803.73	0.4051	0.5919	62.7
2005–06	85.86	0.7477	1.1195	746.44	0.4204	0.6143	63.3
2006–07	93.09	0.7855	1.1479	739.40	0.4065	0.6016	64.8
2007–08	98.74	0.8966	1.1676	857.82	0.4476	0.6103	69.7
2008–09	74.42	0.7485	1.2291	943.29	0.4620	0.5423	60.4
2009–10	80.74	0.8824	1.2554	1 039.61	0.5588	0.6358	68.9
2010–11	82.04	0.9885	1.3043	1 115.55	0.6211	0.7246	73.9
2011–12	81.12	1.0315	1.2828	1 163.00	0.6512	0.7708	76.0
2012–13	89.71	1.0272	1.2497	1 137.89	0.6548	0.7951	77.0
2013–14	92.77	0.9187	1.1071	980.84	0.5657	0.6775	70.5
2014–15	95.55	0.8380	1.0763	900.59	0.5307	0.6963	67.2
2015–16	84.98	0.7283	1.0909	854.07	0.4914	0.6561	61.9

<sup>a</sup> Period average. <sup>b</sup> Base: May 1970 = 100. **na** Not available.

Sources: Australian Bureau of Statistics, *Average Monthly Exchange Rates*, cat. no. 5654.0, Canberra; Reserve Bank of Australia; Commonwealth Bank of Australia; OANDA



**TABLE 9** Exchange rates for selected countries a

	Real effective exchange rates b						
	Australia A\$/US\$	Japan ¥/US\$	Euro €/US\$	United Kingdom £/US\$	United States	Japan	Germany
1972	0.8389	303.13	na	0.4001	na	na	112.9
1973	0.7027	271.31	na	0.4081	na	na	123.2
1974	0.6938	291.84	na	0.4275	na	na	122.1
1975	0.7636	296.78	na	0.4521	na	na	116.3
1976	0.8163	296.45	na	0.5568	na	na	116.7
1977	0.9016	268.62	na	0.5735	na	na	118.3
1978	0.8736	210.39	na	0.5218	na	na	119.1
1979	0.8945	219.02	na	0.4720	na	na	119.3
1980	0.8772	226.63	na	0.4306	105.1	72.6	112.8
1981	0.8702	220.63	na	0.4985	115.8	77.6	103.0
1982	0.9842	249.06	na	0.5732	129.5	70.4	104.8
1983	1.1159	237.55	na	0.6602	135.6	76.2	105.5
1984	1.1374	237.46	na	0.7515	143.9	79.6	100.8
1985	1.4262	238.47	na	0.7784	149.0	81.5	98.1
1986	1.4925	168.35	na	0.6819	125.2	104.5	103.9
1987	1.4259	144.60	na	0.6116	112.6	110.1	107.3
1988	1.2741	128.17	na	0.5622	106.1	116.4	104.6
1989	1.2631	138.07	na	0.6117	109.6	106.5	102.1
1990	1.2793	145.00	na	0.5634	104.5	95.2	105.0
1991	1.2832	134.59	na	0.5676	103.1	101.9	103.3
1992	1.3602	126.78	na	0.5695	100.7	104.8	108.3
1993	1.4720	111.08	na	0.6663	103.7	122.8	112.6
1994	1.3666	102.18	na	0.6533	103.1	130.5	113.4
1995	1.3490	93.96	na	0.6337	99.6	132.6	118.4
1996	1.2771	108.78	na	0.6414	102.6	111.4	114.1
1997	1.3447	121.06	na	0.6108	107.6	104.8	107.5
1998	1.5903	130.99	na	0.6035	115.3	104.8	107.5
1999	1.5498	113.73	0.9387	0.6185	114.2	115.9	104.1
2000	1.7190	107.80	1.0832	0.6613	117.9	122.8	96.9
2001	1.9310	121.57	1.1171	0.6948	124.6	109.3	96.9
2002	1.8383	125.22	1.0578	0.6667	124.3	101.8	98.0
2003	1.5325	115.94	0.8833	0.6124	116.3	102.7	103.0
2004	1.3583	108.15	0.8040	0.5458	110.9	103.8	104.6
2005	1.3120	110.11	0.8033	0.5500	109.4	97.4	102.8
2006	1.3272	116.31	0.7960	0.5433	108.7	88.2	102.0
2007	1.1917	117.76	0.7294	0.4997	103.6	81.0	103.8
2008	1.1730	103.39	0.6791	0.5450	99.5	87.7	104.4
2009	1.2600	93.68	0.7176	0.6409	104.0	98.8	105.1
2010	1.0870	87.83	0.7541	0.6478	100.0	100.0	100.0
2011	0.9690	79.69	0.7178	0.6236	95.1	101.7	99.2
2012	0.9657	79.66	0.7777	0.6309	98.0	100.6	95.6
2013	1.0331	97.56	0.7529	0.6398	99.1	80.3	98.2
2014	1.1076	105.80	0.7521	0.6071	101.2	75.1	98.6
2015	1.3290	121.02	0.9012	0.6545	113.8	70.1	93.4

a Period average. b The nominal exchange rate, trade weighted against currencies for selected countries and the eurozone, adjusted for relative prices or costs. Base: 2010 = 100. na Not available.

Sources: Australian Bureau of Statistics, *Average Monthly Exchange Rates*, cat. no. 5654.0, Canberra; Reserve Bank of Australia; US Federal Reserve; World Bank

**TABLE 10** Real gross domestic product growth for selected countries

	Australia	United States	European Union	Japan	OECD	China	Korea, Rep. of
	%	%	%	%	%	%	%
1972	2.3	5.2	4.7	8.4	5.4	3.8	6.5
1973	4.4	5.6	6.1	8.0	6.2	7.9	14.8
1974	1.6	-0.5	2.1	-1.2	0.5	2.3	9.4
1975	2.4	-0.2	-0.8	3.1	0.2	8.7	7.3
1976	3.9	5.4	4.6	4.0	5.1	-1.6	13.5
1977	1.5	4.6	2.8	4.4	3.8	7.6	11.8
1978	2.0	5.6	3.2	5.3	4.7	11.9	10.3
1979	4.6	3.2	3.8	5.5	3.9	7.6	8.4
1980	2.7	-0.2	1.3	3.2	1.3	7.9	-1.7
1981	4.2	2.6	0.0	4.2	1.9	5.1	7.2
1982	-0.4	-1.9	0.8	3.4	0.2	9.0	8.3
1983	-0.2	4.6	2.1	3.1	3.2	10.8	13.2
1984	6.5	7.3	2.5	4.5	4.9	15.2	10.4
1985	5.1	4.2	2.5	6.3	3.9	13.5	7.8
1986	1.9	3.5	2.7	2.8	3.3	8.9	11.2
1987	5.3	3.5	3.0	4.1	3.7	11.7	12.5
1988	4.5	4.2	4.1	7.1	4.8	11.3	11.9
1989	4.2	3.7	3.5	5.4	4.0	4.2	7.0
1990	1.4	1.9	2.5	5.6	3.2	3.9	9.8
1991	-1.3	-0.1	1.2	3.3	1.6	9.2	10.4
1992	3.0	3.6	0.9	0.8	2.2	14.3	6.2
1993	4.2	2.7	-0.2	0.2	1.4	13.9	6.8
1994	4.6	4.0	2.9	0.9	3.4	13.1	9.2
1995	3.5	2.7	2.8	1.9	2.8	11.0	9.6
1996	3.9	3.8	2.1	2.6	3.0	9.9	7.6
1997	3.9	4.5	2.8	1.6	3.5	9.2	5.9
1998	4.9	4.5	2.9	-2.0	2.7	7.8	-5.5
1999	4.1	4.7	3.0	-0.2	3.6	7.6	11.3
2000	3.5	4.1	3.9	2.3	4.1	8.4	8.9
2001	2.5	1.0	2.3	0.4	1.6	8.3	4.5
2002	4.0	1.8	1.5	0.3	1.8	9.1	7.4
2003	3.0	2.8	1.5	1.7	2.1	10.0	2.9
2004	3.9	3.8	2.7	2.4	3.2	10.1	4.9
2005	3.2	3.3	2.3	1.3	2.7	11.3	3.9
2006	2.7	2.7	3.6	1.7	3.0	12.7	5.2
2007	4.5	1.8	3.3	2.2	2.7	14.2	5.5
2008	2.5	-0.3	0.6	-1.0	0.1	9.6	2.8
2009	1.8	-2.8	-4.3	-5.5	-3.4	9.2	0.7
2010	2.4	2.5	2.1	4.7	3.1	10.6	6.5
2011	2.6	1.6	1.7	-0.5	1.7	9.5	3.7
2012	3.6	2.2	-0.4	1.7	1.2	7.9	2.3
2013	2.0	1.7	0.3	1.4	1.2	7.8	2.9
2014	2.7	2.4	1.6	0.0	1.9	7.3	3.3
2015	2.4	2.6	2.3	0.5	2.1	6.9	2.6

Sources: Australian Bureau of Statistics, *Australian National Accounts, National Income, Expenditure and Product*, cat. no. 5206.0, Canberra; International Monetary Fund; US Bureau of Economic Analysis; World Bank

**TABLE 11** Inflation and interest rates in selected countries

	Inflation rates a			Interest rates b			
	United States		China	United States		Japan	
	United States	Japan		Short term	Long term	Short term	Long term c
	%	%	%	%	%	%	%
1972	3.3	4.9	0.2	4.1	6.2	na	na
1973	6.2	11.7	0.1	7.0	6.9	na	na
1974	11.0	23.2	0.7	7.9	7.6	na	na
1975	9.2	11.7	0.4	5.8	8.0	na	na
1976	5.8	9.4	0.3	5.0	7.6	na	na
1977	6.5	8.1	2.7	5.3	7.4	na	na
1978	7.6	4.2	0.7	7.2	8.4	na	na
1979	11.2	3.7	1.9	10.1	9.4	6.6	na
1980	13.6	7.7	7.5	11.4	11.4	10.9	na
1981	10.3	4.9	2.5	14.0	13.9	7.6	na
1982	6.2	2.8	2.0	10.6	13.0	7.0	na
1983	3.2	1.9	2.0	8.6	11.1	6.7	na
1984	4.3	2.3	2.7	9.5	12.5	6.5	na
1985	3.5	2.0	9.3	7.5	10.6	6.8	na
1986	1.9	0.6	6.5	6.0	7.7	5.1	na
1987	3.7	0.1	7.3	5.8	8.4	4.2	na
1988	4.1	0.7	18.8	6.7	8.9	4.5	na
1989	4.8	2.3	18.0	8.1	8.5	5.4	5.1
1990	5.4	3.1	3.1	7.5	8.6	7.7	7.0
1991	4.2	3.3	3.4	5.4	7.9	7.3	6.3
1992	3.0	1.6	6.4	3.4	7.0	4.4	5.3
1993	3.0	1.3	14.7	3.0	5.9	3.0	4.3
1994	2.6	0.7	24.1	4.3	7.1	2.2	4.4
1995	2.8	-0.1	17.1	5.5	6.6	1.2	3.4
1996	2.9	0.1	8.3	5.0	6.4	0.6	3.1
1997	2.3	1.8	2.8	5.1	6.4	0.6	2.4
1998	1.6	0.6	-0.8	4.8	5.3	0.7	1.5
1999	2.2	-0.3	-1.4	4.6	5.7	0.2	1.7
2000	3.4	-0.7	0.4	5.8	6.0	0.2	1.7
2001	2.8	-0.7	0.7	3.4	5.0	0.1	1.3
2002	1.6	-0.9	-0.8	1.6	4.6	0.1	1.3
2003	2.3	-0.3	1.2	1.0	4.0	0.0	1.0
2004	2.7	0.0	3.9	1.4	4.3	0.0	1.5
2005	3.4	-0.3	1.8	3.2	4.3	0.0	1.4
2006	3.2	0.3	1.5	4.7	4.8	0.2	1.7
2007	2.9	0.0	4.8	4.4	4.6	0.7	1.7
2008	3.8	1.4	5.9	1.4	3.7	0.7	1.5
2009	-0.3	-1.4	-0.7	0.2	3.3	0.3	1.3
2010	1.6	-0.7	3.3	0.1	3.2	0.2	1.1
2011	3.2	-0.3	5.4	0.1	2.8	0.1	1.1
2012	2.1	0.0	2.6	0.1	1.8	0.1	0.8
2013	1.5	0.4	2.6	0.1	2.4	0.1	0.7
2014	1.6	2.7	2.0	0.0	2.5	0.1	0.5
2015	0.1	0.8	1.4	0.1	2.1	0.1	0.3

**a** Percentage change in consumer price indexes. **b** Period average: US – 3-month Treasury bill rate and 10-year government bond yield; Japan – 3-month certificate of deposit rate and 10-year government bond yield.

**c** From 1989, the long-term interest rate is the Bank of Japan reference price for over-the-counter bond transactions (average) - Interest bearing government bonds (10 years). From 2015, the long term interest rate is the 10 year newly issued government bonds. **na** Not available.

Sources: Bank of Japan; International Monetary Fund; National Bureau of Statistics of China; Organisation for Economic Co-operation and Development; Statistics Japan; US Bureau of Labor Statistics; US Federal Reserve

**TABLE 12** Population in selected countries and regions a

	<b>Australia</b>	<b>United States</b>	<b>European Union 28</b>	<b>Japan</b>	<b>China</b>	<b>East Asia b</b>	<b>India</b>	<b>World</b>
	million	million	million	million	million	million	million	million
1972	13.1	213.2	446.6	106.6	849.8	259.6	579.8	3 833.6
1973	13.3	215.1	449.2	108.1	869.5	266.3	593.5	3 909.7
1974	13.4	217.0	451.7	109.5	888.1	273.0	607.4	3 985.7
1975	13.6	219.0	454.0	110.8	905.6	279.7	621.7	4 061.4
1976	13.8	221.0	456.2	112.0	921.7	286.5	636.2	4 136.5
1977	14.0	223.1	458.3	113.1	936.6	293.2	650.9	4 211.3
1978	14.2	225.2	460.2	114.1	950.5	300.0	665.9	4 286.3
1979	14.4	227.4	462.0	115.0	964.2	306.8	681.4	4 362.2
1980	14.6	229.6	463.6	115.9	977.8	313.8	697.2	4 439.6
1981	15.1	231.8	465.1	116.8	991.6	320.8	713.6	4 518.6
1982	15.3	234.0	466.4	117.7	1 005.3	328.0	730.3	4 599.0
1983	15.5	236.2	467.6	118.6	1 019.7	335.2	747.4	4 681.2
1984	15.7	238.4	468.8	119.3	1 035.3	342.4	764.7	4 765.7
1985	15.9	240.7	470.1	120.0	1 052.6	349.6	782.1	4 852.5
1986	16.1	243.0	471.4	120.6	1 071.8	356.7	799.6	4 942.1
1987	16.4	245.4	472.7	121.0	1 092.6	363.8	817.2	5 033.8
1988	16.7	247.9	474.0	121.4	1 114.2	370.8	834.9	5 126.6
1989	16.9	250.3	475.4	121.8	1 135.1	377.7	852.7	5 219.0
1990	17.2	252.8	476.8	122.2	1 154.6	384.4	870.6	5 309.7
1991	17.4	255.4	478.2	122.7	1 172.3	390.9	888.5	5 398.3
1992	17.6	257.9	479.7	123.2	1 188.5	397.3	906.5	5 485.1
1993	17.7	260.5	481.2	123.7	1 203.0	403.6	924.5	5 570.0
1994	17.9	263.3	482.5	124.1	1 216.1	409.8	942.6	5 653.3
1995	18.1	266.3	483.5	124.5	1 227.8	416.1	960.9	5 735.1
1996	18.3	269.5	484.3	124.8	1 238.2	422.4	979.3	5 815.4
1997	18.5	272.9	484.8	125.0	1 247.3	428.7	997.8	5 894.2
1998	18.7	276.4	485.2	125.3	1 255.3	435.0	1 016.4	5 971.9
1999	18.9	279.7	485.8	125.5	1 262.7	441.3	1 035.0	6 049.2
2000	19.1	282.9	486.6	125.7	1 270.0	447.6	1 053.5	6 126.6
2001	19.4	285.8	487.8	126.0	1 277.2	454.0	1 071.9	6 204.3
2002	19.6	288.5	489.2	126.2	1 284.3	460.4	1 090.2	6 282.3
2003	19.8	291.0	490.8	126.5	1 291.5	466.7	1 108.4	6 360.8
2004	20.0	293.5	492.5	126.8	1 298.6	472.9	1 126.4	6 439.8
2005	20.3	296.1	494.2	127.0	1 305.6	478.9	1 144.3	6 519.6
2006	20.6	298.9	496.0	127.1	1 312.6	484.6	1 162.1	6 600.2
2007	21.0	301.7	497.7	127.3	1 319.6	490.2	1 179.7	6 681.6
2008	21.5	304.5	499.4	127.3	1 326.7	495.7	1 197.1	6 763.7
2009	21.9	307.2	500.8	127.3	1 333.8	501.2	1 214.2	6 846.5
2010	22.2	309.9	502.1	127.3	1 341.0	506.8	1 231.0	6 929.7
2011 c	22.5	312.4	503.0	127.3	1 348.2	512.6	1 247.4	7 013.4
2012 c	22.9	314.8	503.7	127.1	1 355.4	518.5	1 263.6	7 097.5
2013 c	23.3	317.1	504.2	127.0	1 362.5	524.3	1 279.5	7 181.7
2014 c	23.6	319.4	504.7	126.8	1 369.4	530.2	1 295.3	7 265.8
2015 c	23.9	321.8	505.2	126.6	1 376.0	535.8	1 311.1	7 349.5

a Midyear, except Australia which is end of year. b Indonesia, Malaysia, the Philippines, Republic of Korea, Singapore, Taiwan and Thailand. c United Nations estimates, except Australia.

Sources: Australian Bureau of Statistics, *Australian Demographic Statistics*, cat. no. 3101.0, Canberra; United Nations

**TABLE 13** Number of agricultural establishments and rural employment in Australia

	Agricultural establishments a	Total area of farms million ha	Rural employment b				Total '000
			Owner manager without employees '000	Owner manager with employees '000	Employees '000	Contributing family workers '000	
1972–73	185 900	500	na	na	na	na	434.0
1973–74	184 150	500	na	na	na	na	427.0
1974–75	182 250	500	na	na	na	na	414.0
1975–76	180 411	501	na	na	na	na	401.0
1976–77	173 625	492	na	na	na	na	393.0
1977–78	176 155	489	na	na	na	na	390.0
1978–79	177 218	493	na	na	na	na	388.0
1979–80	179 084	496	na	na	na	na	404.0
1980–81	175 756	495	na	na	na	na	414.0
1981–82	174 466	491	na	na	na	na	409.0
1982–83	178 025	484	na	na	na	na	417.0
1983–84	175 412	489	na	na	na	na	407.0
1984–85	173 061	489	na	na	na	na	403.0
1985–86	171 180	468	na	na	na	na	425.4
1986–87	169 568	471	na	na	na	na	419.8
1987–88	168 339	472	na	na	na	na	416.3
1988–89	167 934	467	na	na	na	na	432.3
1989–90	163 416	464	na	na	na	na	425.5
1990–91	158 898	463	na	na	na	na	432.0
1991–92	154 380	466	192.1	56.9	117.0	23.5	389.4
1992–93	151 966	460	192.1	55.5	109.5	27.1	384.3
1993–94	150 389	469	189.7	59.0	116.7	26.1	391.4
1994–95	147 115	463	183.4	55.1	120.5	25.8	384.7
1995–96	146 612	465	179.7	60.5	134.5	26.0	400.6
1996–97	145 083	462	183.3	61.1	134.1	24.0	402.4
1997–98	144 836	464	188.8	65.4	140.6	18.5	413.3
1998–99	145 226	454	178.1	66.4	151.9	18.3	414.6
1999–2000	146 371	456	183.1	70.7	154.1	22.7	430.5
2000–01	140 516	456	168.9	70.9	160.5	21.7	421.9
2001–02	135 377	447	181.3	80.1	159.4	12.6	433.4
2002–03	132 983	440	156.3	60.0	143.5	10.0	369.7
2003–04	130 526	440	148.2	65.2	143.1	9.3	365.8
2004–05	129 934	445	143.4	61.6	139.9	9.8	354.7
2005–06	154 472	435	138.4	68.7	128.6	9.8	345.4
2006–07	150 403	425	147.0	58.3	131.1	6.9	343.3
2007–08	140 704	417	150.1	57.5	128.4	7.1	343.1
2008–09	135 996	409	159.7	54.4	128.8	7.1	349.9
2009–10	134 184	399	149.8	64.8	129.5	6.9	350.9
2010–11	135 447	410	139.9	55.8	137.5	4.2	337.3
2011–12	135 692	405	129.2	47.9	137.4	6.4	320.8
2012–13	128 917	397	116.2	53.2	127.7	4.1	301.2
2013–14	128 489	406	112.1	57.0	133.4	8.8	311.3
2014–15	123 091	385	123.6	56.8	127.4	9.9	317.6
2015–16	na	na	114.3	56.4	142.9	8.0	321.6

**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.

Note: Australian Bureau of Statistics advises caution should be used when using 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.

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

**TABLE 14** Persons employed in agriculture, forestry and fisheries <sup>ab</sup>

	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09
	'000	'000	'000	'000	'000	'000	'000
Horticulture <b>c</b>	94.2	96.6	84.2	83.4	82.6	71.3	59.1
Sheep, beef cattle and grain	165.0	163.0	131.1	136.4	132.5	140.7	149.7
Other crop growing	9.7	8.4	12.0	7.3	11.0	11.9	14.3
Dairy cattle	25.0	18.9	20.8	22.4	19.5	22.2	26.6
Poultry	11.1	9.7	9.2	8.9	8.1	6.2	9.1
Other livestock <b>d</b>	12.0	9.7	10.2	10.7	10.4	9.2	14.8
Other agriculture <b>nfd</b>	4.4	10.2	37.7	29.1	36.4	31.3	37.8
Total agriculture	321.5	316.4	305.1	298.1	300.2	292.8	310.7
Forestry and logging	7.1	8.9	8.9	8.3	7.7	8.0	7.5
Forestry support services	2.4	3.1	3.1	2.9	3.0	4.4	2.6
Aquaculture	5.2	4.9	5.8	3.8	3.3	4.1	4.7
Fishing	8.5	7.6	5.3	6.3	4.1	5.2	2.4
Other agriculture, forestry and fishing	0.6	0.9	3.2	1.3	1.5	1.2	1.2
Hunting and trapping	0.6	0.5	na	0.7	0.3	0.7	0.8
Fishing hunting and trapping <b>nfd</b>	3.6	2.6	2.2	1.4	2.1	3.4	1.5
Agriculture and fishing support services <b>e</b>	20.3	21.2	21.1	22.8	21.5	23.4	19.0
Total agriculture, forestry and fishing	369.7	365.8	354.7	345.4	343.3	343.1	349.9
	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	'000	'000	'000	'000	'000	'000	'000
Horticulture <b>c</b>	60.4	58.6	57.2	56.7	63.2	51.1	66.9
Sheep, beef cattle and grain	141.7	133.1	129.1	107.2	106.9	115.7	94.2
Other crop growing	13.0	9.5	9.5	13.6	6.4	4.7	3.4
Dairy cattle	24.5	26.7	22.3	20.3	25.9	21.1	30.0
Poultry	8.3	9.7	10.1	8.6	3.9	6.3	13.2
Other livestock <b>d</b>	15.1	11.8	10.1	10.9	8.5	16.9	13.6
Other agriculture <b>nfd</b>	45.0	44.9	38.8	43.6	55.1	58.9	61.9
Total agriculture	307.7	294.3	277.0	260.8	269.9	274.7	282.3
Forestry and logging	6.8	5.3	7.9	6.4	6.0	5.3	6.4
Forestry support services	4.0	3.2	3.4	3.2	2.9	3.1	3.3
Aquaculture	3.8	4.5	3.7	3.3	5.1	7.0	5.4
Fishing	4.5	5.6	5.7	5.1	3.3	5.8	5.1
Other agriculture, forestry and fishing	2.1	2.9	1.7	2.6	2.2	2.5	1.6
Hunting and trapping	1.8	1.1	0.7	0.5	0.3	1.1	na
Fishing hunting and trapping <b>nfd</b>	1.4	1.3	1.0	0.8	0.2	0.5	0.7
Other agriculture, forestry and fishing	18.9	19.8	19.9	18.9	21.6	17.8	17.1
Total agriculture, forestry and fishing	350.9	337.3	320.8	301.2	311.3	317.6	321.6

**a** Average employment over four quarters. **b** 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. **c** Includes nursery, floriculture, vegetable, fruit and tree nut growing. **d** Includes deer farming. **e** Includes agriculture, forestry and fishing support services not further defined. **na** Not available. **nfd** No further details.

Note: ABS advises caution should be used when using 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.

Sources: Australian Bureau of Statistics (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

TABLE 15 Farm land use and livestock numbers in Australia

	Total area of farms million ha	Area used for a		Livestock numbers b		
		Wheat million ha	Other crops c million ha	Beef cattle million	Dairy cattle million	Sheep million
1972–73	499.8	7.6	4.6	24.7	3.9	139.9
1973–74	500.3	8.9	4.3	26.6	3.7	145.0
1974–75	499.9	8.3	4.2	28.5	3.6	151.5
1975–76	500.7	8.6	4.7	29.3	3.5	148.5
1976–77	491.5	9.0	4.7	28.3	3.3	135.2
1977–78	489.4	10.0	5.3	26.3	3.1	131.3
1978–79	493.2	10.2	5.6	24.2	2.9	134.1
1979–80	495.6	11.2	5.2	23.4	2.8	135.9
1980–81	495.4	11.3	5.2	22.4	2.8	134.3
1981–82	490.8	11.9	5.9	21.7	2.8	137.9
1982–83	483.8	11.5	5.7	19.7	2.8	130.5
1983–84	488.6	12.8	7.3	19.4	2.8	135.3
1984–85	489.2	12.0	7.3	20.0	2.8	145.6
1985–86	468.3	11.7	6.5	20.7	2.8	150.4
1986–87	471.0	11.1	5.4	19.3	2.6	149.2
1987–88	472.0	9.0	7.3	19.3	2.6	152.4
1988–89	466.9	8.8	6.8	19.9	2.5	161.6
1989–90	464.3	9.0	6.2	20.7	2.5	170.3
1990–91	462.8	9.2	6.6	21.2	2.4	163.2
1991–92	466.0	7.2	7.5	21.4	2.4	148.2
1992–93	460.1	8.3	7.5	21.6	2.5	138.1
1993–94	469.1	8.4	8.2	23.1	2.7	132.6
1994–95	463.3	7.9	7.9	23.0	2.7	120.9
1995–96	465.2	9.2	8.8	23.6	2.8	121.1
1996–97	462.2	10.9	9.1	23.7	3.0	120.2
1997–98	463.8	10.4	9.7	23.8	3.1	117.5
1998–99	453.7	11.5	10.3	23.4	3.2	115.5
1999–2000	455.5	12.2	9.9	24.4	3.1	118.6
2000–01	455.7	12.1	10.4	24.5	3.2	110.9
2001–02	447.0	11.5	10.5	24.7	3.1	106.2
2002–03	439.5	11.2	10.1	23.6	3.0	99.3
2003–04	440.1	13.1	10.7	24.4	3.1	101.3
2004–05	445.1	13.4	11.0	24.7	3.1	101.1
2005–06	434.9	12.4	10.4	25.6	2.8	91.0
2006–07	425.4	11.8	9.9	25.4	2.7	85.7
2007–08	417.3	12.6	11.2	24.8	2.5	76.9
2008–09	409.0	13.5	11.1	25.3	2.6	72.7
2009–10	398.6	13.9	10.4	24.0	2.5	68.1
2010–11	409.7	13.5	10.9	25.9	2.6	73.1
2011–12	405.5	13.9	10.9	25.7	2.7	74.7
2012–13	396.6	13.0	11.4	26.5	2.8	75.5
2013–14	406.3	12.6	10.5	26.3	2.8	72.6
2014–15	384.6	12.4	11.1	24.6	2.8	70.9
2015–16	na	12.8	11.1	23.3	2.8	68.4

**a** Year ended 31 March. From 1999–2000, 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 1999–2000, 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: ABARES; Australian Bureau of Statistics (ABS), *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities*, cat. no. 7121.0, Canberra; ABS, *Agricultural Land Use and Selected Inputs, Australia*, cat. no. 7411.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; ABS, *Selected Agricultural Commodities, Australia (Preliminary)*, cat. no. 7112.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra

**TABLE 16** Australian farm returns, costs and prices

	Gross value of farm production \$m	Farm costs \$m	Net value of farm production \$m	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
1972–73	4 962	3 103	1 859	290.5	35.6	16.2	219.9	10.3
1973–74	6 412	3 594	2 818	390.0	43.1	18.4	234.3	11.6
1974–75	5 874	4 196	1 678	198.8	36.9	23.4	158.0	13.6
1975–76	6 170	4 832	1 338	140.4	39.0	27.0	144.3	15.4
1976–77	6 755	5 278	1 477	136.1	42.5	30.1	141.1	17.5
1977–78	6 984	5 742	1 242	104.5	44.5	33.3	133.8	19.2
1978–79	10 204	6 629	3 575	278.2	54.0	35.5	152.1	20.7
1979–80	11 764	7 761	4 003	282.6	64.3	39.5	162.7	22.9
1980–81	11 580	8 739	2 841	183.4	68.4	44.9	152.2	25.0
1981–82	12 704	10 205	2 499	146.1	67.7	49.9	135.7	27.6
1982–83	11 703	11 403	300	16.3	71.1	55.3	128.6	30.8
1983–84	15 420	12 255	3 165	155.5	74.6	59.8	124.8	32.9
1984–85	15 435	12 896	2 539	119.9	76.6	63.4	121.0	34.3
1985–86	15 439	14 051	1 388	58.9	76.6	68.3	112.2	37.2
1986–87	17 167	15 386	1 781	61.2	82.8	74.2	111.5	40.6
1987–88	20 136	16 727	3 409	119.7	99.5	77.4	128.5	43.6
1988–89	23 111	18 330	4 781	156.2	112.4	84.4	133.2	46.8
1989–90	23 589	20 008	3 581	114.1	109.3	90.1	121.3	50.6
1990–91	21 189	20 168	1 021	31.7	93.6	90.9	102.9	53.2
1991–92	21 167	19 392	1 775	52.8	94.5	90.8	104.1	54.2
1992–93	22 119	19 340	2 780	99.2	93.7	89.5	104.7	54.8
1993–94	23 827	20 187	3 640	125.2	97.4	91.1	106.8	55.8
1994–95	24 185	21 708	2 477	65.2	112.0	95.0	118.0	57.6
1995–96	27 863	22 913	4 950	130.9	111.2	99.5	111.8	60.0
1996–97	28 673	23 910	4 763	127.5	101.6	99.4	102.2	60.8
1997–98	28 987	23 885	5 102	130.9	100.0	100.0	100.0	60.8
1998–99	29 309	24 511	4 799	121.7	96.1	100.6	95.6	61.6
1999–2000	30 893	25 223	5 670	142.0	96.3	104.7	92.0	63.0
2000–01	35 077	26 657	8 421	196.1	108.5	110.1	98.5	66.8
2001–02	40 323	27 258	13 065	296.8	122.0	112.9	108.1	68.7
2002–03	33 593	27 766	5 827	124.5	122.7	121.5	101.1	70.8
2003–04	37 616	28 991	8 625	186.0	117.2	123.0	95.3	72.5
2004–05	36 666	29 243	7 423	158.6	116.8	126.3	92.4	74.3
2005–06	38 924	31 339	7 585	154.6	118.7	129.4	91.8	76.6
2006–07	36 771	31 443	5 328	106.1	130.3	135.9	95.9	78.9
2007–08	43 922	37 137	6 785	129.5	142.2	155.1	91.7	81.6
2008–09	42 074	36 573	5 502	105.4	131.5	149.0	88.3	84.1
2009–10	39 875	34 437	5 438	103.8	124.3	140.8	88.3	86.1
2010–11	46 389	36 505	9 884	221.2	139.4	144.9	96.2	88.7
2011–12	47 760	37 277	10 482	215.9	137.2	147.2	93.3	90.8
2012–13	48 705	37 186	11 518	185.9	138.2	145.1	95.3	92.9
2013–14	51 519	37 950	13 570	170.5	142.9	145.5	98.2	95.4
2014–15	54 451	38 453	15 998	162.8	152.4	146.7	103.9	97.0
2015–16	56 741	38 910	17 831	155.8	163.0	148.8	109.5	98.4

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: 2016–17 = 100.

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



**TABLE 17** Indexes of prices paid by farmers in Australia

	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
<b>Farmers' terms of trade a</b>	101.1	95.3	92.4	91.8	95.9	91.7	88.3
Materials and services							
Seed, fodder and livestock							
fodder and feedstuffs	167.5	148.3	140.4	126.4	151.7	195.3	168.0
seed, seedlings and plants	118.3	104.9	95.3	93.8	109.9	135.0	120.7
store and breeding stock	125.8	144.0	159.7	165.9	157.9	155.3	162.0
total	150.3	142.0	140.3	130.8	147.2	178.0	161.0
Chemicals	108.0	110.0	111.9	114.6	124.7	149.7	136.7
Electricity	100.5	100.0	101.3	104.6	107.6	111.3	121.5
Fertiliser	106.9	102.8	108.8	111.6	121.4	220.4	239.6
Fuel and lubricants	127.0	144.3	167.2	210.6	208.3	243.7	211.0
Total	126.0	125.3	128.7	130.9	140.3	170.8	164.0
<b>Labour</b>	117.9	121.6	125.7	129.7	133.5	138.0	142.8
<b>Marketing</b>	115.9	118.7	121.5	125.4	129.1	143.2	137.2
<b>Overheads</b>							
Insurance	124.5	128.8	131.9	135.1	139.4	143.5	155.6
Interest paid	110.7	118.1	120.9	123.8	127.8	142.6	116.8
Rates and taxes	119.1	121.9	124.8	128.9	132.7	137.3	141.6
Other overheads	115.4	118.1	121.0	124.8	128.5	132.8	137.2
Total	115.2	120.6	123.5	126.8	130.8	141.8	126.7
<b>Capital items</b>	118.3	121.3	124.4	128.4	132.3	136.8	141.2
<b>Total prices paid</b>	121.5	123.0	126.3	129.4	135.9	155.1	149.0
Excluding capital items	121.8	123.1	126.5	129.4	136.2	157.3	149.9
Excluding capital and overheads	123.3	123.7	127.2	129.9	137.6	161.7	156.8
Excluding seed, fodder and store and breeding stock	115.6	119.2	123.6	129.2	133.6	150.3	146.4

Continued

**TABLE 17** Indexes of prices paid by farmers in Australia *continued*

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16 s
<b>Farmers' terms of trade a</b>	88.3	96.2	93.3	95.3	98.2	103.9	109.5
Materials and services							
Seed, fodder and livestock							
fodder and feedstuffs	145.9	121.1	115.6	127.1	126.8	134.5	138.5
seed, seedlings and plants	109.6	120.0	116.4	128.0	130.6	130.4	133.0
store and breeding stock	168.4	194.0	199.5	173.8	169.2	209.7	271.4
total	147.0	137.8	135.1	137.9	136.9	151.2	167.7
Chemicals	116.2	110.4	112.6	110.3	113.6	114.7	115.8
Electricity	142.0	158.9	176.8	180.8	185.7	176.4	176.4
Fertiliser	156.0	157.3	165.5	157.9	153.2	154.7	157.8
Fuel and lubricants	191.7	211.3	228.2	216.8	221.1	196.8	177.1
Total	146.5	146.1	149.2	149.5	150.7	155.1	160.8
<b>Labour</b>	147.5	152.1	155.6	159.2	163.5	166.3	168.6
<b>Marketing</b>	134.0	144.8	154.1	153.5	159.3	152.9	147.6
<b>Overheads</b>							
Insurance	167.0	173.7	185.8	190.0	195.2	198.5	201.3
Interest paid	111.2	122.3	114.9	96.4	85.3	79.5	75.6
Rates and taxes	144.9	149.4	152.9	156.4	160.6	163.4	165.6
Other overheads	140.6	145.0	148.3	151.7	155.8	158.5	160.7
Total	124.3	133.7	129.9	117.6	110.6	107.1	104.7
<b>Capital items</b>	144.8	149.4	153.2	157.0	161.5	164.8	167.7
<b>Total prices paid</b>	140.8	144.9	147.2	145.1	145.5	146.7	148.8
Excluding capital items	140.4	144.4	146.6	143.9	143.9	144.9	147.0
Excluding capital and overheads	145.0	147.2	151.2	151.9	154.2	156.8	160.4
Excluding seed, fodder and store and breeding stock	139.5	146.3	149.7	146.5	147.2	145.6	144.7

a Ratio of index of prices received by farmers and index of prices paid by farmers.

Notes: The indexes for commodity groups are calculated on a chained weight basis using Fisher's ideal index with a reference year of 1997–98 = 100. Prices used in these calculations exclude GST.

Sources: ABARES; Australian Bureau of Statistics

**TABLE 18** Indexes of prices received by farmers in Australia

	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09
<b>Crops sector</b>							
<b>Grains</b>							
Winter crops							
barley	159.9	105.9	100.1	93.9	153.3	196.9	145.3
canola	115.8	104.4	84.5	86.5	102.8	140.7	142.2
lupins	149.0	120.4	105.2	99.8	135.7	171.0	142.9
oats	160.3	101.1	98.2	107.8	235.8	136.9	158.3
wheat	134.4	109.1	99.6	102.5	122.4	197.2	142.1
Summer crops							
grain sorghum	120.9	93.8	79.4	84.6	126.1	152.4	121.3
Total grains <b>a</b>	135.2	105.2	95.8	97.2	128.5	178.3	137.5
Cotton	100.1	90.7	87.0	76.5	82.5	87.7	96.7
Sugar	84.2	75.5	83.5	90.9	108.4	80.6	98.3
Hay	155.0	125.0	128.0	143.7	230.7	254.6	219.0
Fruit	111.9	120.6	123.9	138.3	184.0	148.4	148.2
Vegetables	121.5	126.0	119.1	133.8	141.3	153.7	152.9
Total crops sector	120.2	107.0	101.1	103.9	127.6	138.0	119.8
<b>Livestock sector</b>							
Livestock for slaughter							
cattle	144.8	160.3	177.2	181.3	174.3	164.6	164.6
lambs <b>b</b>	173.6	190.1	184.5	177.7	165.6	170.3	204.3
sheep	194.3	230.3	196.1	202.7	156.2	183.3	216.8
live sheep for export	179.3	178.0	165.8	178.4	178.5	180.1	213.4
pigs	109.7	109.4	117.8	115.6	124.8	120.7	153.5
poultry	98.5	97.7	91.9	83.5	84.5	109.4	120.0
total	139.0	149.3	157.5	157.7	151.9	152.6	163.0
Livestock products							
wool	153.0	119.6	105.9	100.4	115.5	127.9	109.2
milk	90.7	93.4	105.7	111.0	111.1	166.1	142.3
eggs	89.9	94.1	91.5	92.5	102.0	107.5	108.6
total	113.9	103.3	104.7	105.7	112.2	147.0	127.6
Store and breeding stoc	125.8	144.0	159.7	165.9	157.9	155.3	162.0
Total livestock sector	127.0	129.6	135.8	136.7	135.5	148.3	147.5
<b>Total prices received</b>	122.7	117.2	116.8	118.7	130.3	142.2	131.5

Continued

**TABLE 18** Indexes of prices received by farmers in Australia *continued*

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Crops sector</b>							
<b>Grains</b>							
Winter crops							
barley	108.3	135.8	131.7	173.4	167.9	175.6	155.8
canola	114.2	141.1	133.1	142.1	144.1	130.6	142.4
lupins	137.5	136.9	118.7	173.5	176.4	149.3	148.2
oats	116.9	143.2	147.7	172.9	156.0	183.1	183.1
wheat	110.4	130.1	114.6	158.3	159.8	151.7	146.8
Summer crops							
grain sorghum	115.9	125.8	111.6	148.9	177.2	178.1	147.3
Total grains <b>a</b>	108.9	126.3	115.7	147.9	149.9	147.0	142.6
Cotton	98.4	103.6	110.8	98.2	103.9	104.4	103.6
Sugar	137.8	128.0	147.1	117.5	125.4	127.2	138.5
Hay	181.5	151.1	133.0	144.9	160.9	169.6	176.4
Fruit	146.6	181.8	181.4	156.5	158.8	170.4	162.0
Vegetables	150.3	167.3	161.3	172.8	174.1	179.1	172.9
Total crops sector	108.4	121.9	117.8	129.3	131.1	131.8	128.7
<b>Livestock sector</b>							
Livestock for slaughter							
cattle	160.0	172.6	173.3	163.3	156.3	196.4	261.3
lambs <b>b</b>	218.7	255.4	250.8	182.8	201.8	233.4	256.1
sheep	343.3	438.0	390.3	200.0	250.8	337.8	329.8
live sheep for export	248.4	304.6	343.7	247.6	233.4	286.6	312.3
pigs	147.1	135.7	134.5	132.5	151.7	156.4	181.0
poultry	113.8	110.1	108.3	114.4	116.9	126.2	128.9
total	163.7	175.6	175.0	158.6	161.2	192.4	235.2
Livestock products							
wool	116.0	158.4	169.2	147.3	153.5	159.1	181.2
milk	124.4	143.5	139.5	134.7	169.1	162.6	144.1
eggs	105.5	104.2	104.1	107.4	112.7	114.6	112.7
total	119.5	143.9	145.2	136.1	157.3	155.9	152.4
Store and breeding stoc	168.4	194.0	199.5	173.8	169.2	209.7	271.4
Total livestock sector	145.5	162.6	163.2	149.0	157.5	177.9	205.5
<b>Total prices received</b>	124.3	139.4	137.2	138.2	142.9	152.4	163.0

**a** Total for the group includes commodities not separately listed. **b** Lamb saleyard indicator weight 18–22 kg.

Notes: The indexes for commodity groups are calculated on a chained weight basis using Fisher's ideal index with a reference year of 1997–98 = 100. Indexes for most individual commodities are based on annual gross unit value of production. Prices used in these calculations exclude GST.

Source: ABARES; Australian Bureau of Statistics

**TABLE 19** Major components of Australian farm costs

	2002–03	2003–04	2004–05	2005–06	2006–07	2007–08	2008–09
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Materials and services</b>							
Fuel	1 520	1 702	1 765	2 223	2 199	2 551	2 235
Fertiliser	1 820	1 827	1 851	1 843	1 659	3 034	3 367
Chemicals	1 550	1 649	1 691	1 749	1 545	1 901	1 781
Seed and fodder	4 874	4 317	4 267	3 827	4 955	6 177	5 259
Marketing	2 433	3 567	3 433	3 675	2 744	3 180	3 730
Repairs and maintenance	2 392	2 453	2 493	2 602	2 466	3 073	3 070
Other	3 329	3 378	3 473	3 692	3 543	3 659	3 820
<b>Total</b>	<b>17 918</b>	<b>18 893</b>	<b>18 974</b>	<b>19 611</b>	<b>19 111</b>	<b>23 575</b>	<b>23 262</b>
<b>Other costs</b>							
Wages	3 226	3 420	3 410	3 778	3 654	3 667	3 828
Interest paid	2 295	2 238	2 306	3 249	3 848	4 901	4 331
Other overheads	412	422	432	446	447	462	477
<b>Total</b>	<b>5 933</b>	<b>6 080</b>	<b>6 148</b>	<b>7 473</b>	<b>7 950</b>	<b>9 030</b>	<b>8 636</b>
<b>Total cash costs</b>	<b>23 851</b>	<b>24 973</b>	<b>25 122</b>	<b>27 084</b>	<b>27 060</b>	<b>32 605</b>	<b>31 898</b>
<b>Depreciation</b>	<b>3 915</b>	<b>4 017</b>	<b>4 122</b>	<b>4 255</b>	<b>4 383</b>	<b>4 532</b>	<b>4 674</b>
<b>Total farm costs</b>	<b>27 766</b>	<b>28 991</b>	<b>29 243</b>	<b>31 339</b>	<b>31 443</b>	<b>37 137</b>	<b>36 573</b>
	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16 s
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Materials and services</b>							
Fuel	1 964	2 254	2 407	2 232	2 247	1 978	1 769
Fertiliser	2 143	2 248	2 344	2 168	2 091	2 121	2 183
Chemicals	1 494	1 462	1 471	1 369	1 406	1 451	1 505
Seed and fodder	4 549	4 213	4 133	4 619	4 650	4 939	5 109
Marketing	3 828	3 839	4 007	3 849	4 108	4 119	4 122
Repairs and maintenance	3 014	3 660	3 876	4 108	4 529	4 935	5 265
Other	3 978	4 272	4 411	4 538	4 705	4 721	4 717
<b>Total</b>	<b>20 969</b>	<b>21 949</b>	<b>22 648</b>	<b>22 883</b>	<b>23 735</b>	<b>24 264</b>	<b>24 670</b>
<b>Other costs</b>							
Wages	3 725	4 076	4 170	4 297	4 363	4 302	4 246
Interest paid	4 455	5 023	4 836	4 259	3 956	3 874	3 868
Other overheads	494	513	525	537	551	561	569
<b>Total</b>	<b>8 674</b>	<b>9 612</b>	<b>9 531</b>	<b>9 092</b>	<b>8 870</b>	<b>8 736</b>	<b>8 683</b>
<b>Total cash costs</b>	<b>29 644</b>	<b>31 560</b>	<b>32 179</b>	<b>31 976</b>	<b>32 605</b>	<b>33 000</b>	<b>33 353</b>
<b>Depreciation</b>	<b>4 793</b>	<b>4 945</b>	<b>5 070</b>	<b>5 197</b>	<b>5 345</b>	<b>5 455</b>	<b>5 552</b>
<b>Total farm costs</b>	<b>34 437</b>	<b>36 505</b>	<b>37 249</b>	<b>37 173</b>	<b>37 950</b>	<b>38 455</b>	<b>38 905</b>

s ABARES estimate.

Sources: ABARES (compiled from various market sources); Australian Bureau of Statistics

**TABLE 20** Volume of Australian farm production indexes

	Crops			Livestock			
	Grains	Other	Total	Livestock	Livestock	Total	Total
	and oilseeds	crops	crops	slaughterings	products	livestock	farm
	index	index	index	index	index	index	index
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
1999–2000	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	130.5	103.4	115.1	108.0	103.9	106.4	111.1
2002–03	59.3	95.7	77.4	109.9	96.0	104.4	90.6
2003–04	138.7	102.7	116.5	104.4	91.9	99.4	108.5
2004–05	113.2	109.7	110.0	109.3	93.1	102.9	107.2
2005–06	133.2	109.9	118.2	108.5	93.1	102.4	110.8
2006–07	58.2	104.3	84.0	115.5	88.9	105.2	94.8
2007–08	88.0	113.9	103.9	113.4	84.8	102.3	103.9
2008–09	116.0	104.2	113.4	111.5	83.6	100.6	108.0
2009–10	116.5	107.0	115.3	109.4	82.3	98.9	108.0
2010–11	139.8	103.5	123.3	110.4	85.5	100.7	112.9
2011–12	158.4	109.5	135.0	110.2	86.2	100.9	118.6
2012–13	138.4	122.2	133.2	116.1	87.0	104.7	119.6
2013–14	144.9	113.9	131.9	127.7	87.3	111.4	122.3
2014–15	138.8	106.5	125.0	137.0	90.4	118.1	122.3
2015–16	137.3	113.1	127.9	126.7	88.2	111.0	119.7

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 Fisher's ideal index with a reference year of 1997–98 = 100.

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

TABLE 21 Gross value of Australian farm production

	Crops			Livestock			Total farm
	Grains and oilseeds	Other crops	Total crops	Livestock slaughterings <sup>a</sup>	Livestock products	Total livestock	
	\$m	\$m	\$m	\$m	\$m	\$m	
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	2 564	6 223	11 764
1980-81	2 666	2 640	5 306	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	2 676	5 010	3 452	3 241	6 693	11 703
1983-84	5 188	3 238	8 426	3 509	3 485	6 994	15 420
1984-85	4 787	3 081	7 867	3 783	3 784	7 568	15 435
1985-86	4 081	3 296	7 378	3 936	4 125	8 061	15 439
1986-87	3 753	3 865	7 618	4 633	4 916	9 548	17 167
1987-88	3 559	4 253	7 812	5 077	7 247	12 324	20 136
1988-89	4 741	5 166	9 906	5 311	7 894	13 205	23 111
1989-90	4 420	5 457	9 877	5 905	7 807	13 712	23 589
1990-91	3 438	5 654	9 092	5 743	6 354	12 097	21 189
1991-92	4 022	6 143	10 165	5 754	5 248	11 003	21 167
1992-93	4 621	6 249	10 870	6 047	5 202	11 249	22 119
1993-94	5 157	6 627	11 784	6 876	5 167	12 043	23 827
1994-95	3 994	7 515	11 509	6 681	5 995	12 676	24 185
1995-96	7 468	8 256	15 724	6 432	5 707	12 139	27 863
1996-97	8 065	8 475	16 540	6 379	5 754	12 133	28 673
1997-98	6 715	9 316	16 031	6 999	5 958	12 957	28 987
1998-99	7 134	9 501	16 636	7 262	5 412	12 674	29 309
1999-2000	8 080	9 383	17 463	7 949	5 481	13 430	30 893
2000-01	8 698	10 654	19 352	9 745	5 981	15 726	35 077
2001-02	10 873	11 181	22 053	11 442	6 828	18 270	40 323
2002-03	5 440	10 971	16 412	10 683	6 498	17 181	33 593
2003-04	9 836	11 261	21 097	10 898	5 620	16 518	37 616
2004-05	7 359	11 517	18 876	12 036	5 755	17 791	36 666
2005-06	8 829	12 294	21 122	11 966	5 836	17 802	38 924
2006-07	5 064	13 454	18 518	12 336	5 917	18 253	36 771
2007-08	10 754	13 652	24 406	12 104	7 412	19 516	43 922
2008-09	10 746	12 168	22 914	12 834	6 326	19 160	42 074
2009-10	8 660	12 686	21 346	12 722	5 807	18 529	39 875
2010-11	12 148	13 203	25 351	13 795	7 243	21 038	46 389
2011-12	12 466	14 114	26 579	13 797	7 383	21 180	47 760
2012-13	13 927	14 665	28 592	13 212	6 900	20 112	48 705
2013-14	14 800	13 897	28 697	14 765	8 057	22 822	51 519
2014-15	13 943	13 495	27 438	18 785	8 227	27 013	54 451
2015-16	13 521	14 117	27 638	21 272	7 831	29 103	56 741

<sup>a</sup> Includes value of live exports for breeding and slaughter purposes.

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

**TABLE 22** Australian winter and summer crop area and production

	Winter crops a		Summer crops b	
	Area '000 ha	Production kt	Area '000 ha	Production kt
1985–86	17 208	23 440	1 517	3 145
1986–87	15 977	23 034	1 463	2 803
1987–88	14 438	19 177	1 482	3 359
1988–89	13 963	20 895	1 293	2 980
1989–90	13 874	21 519	933	2 677
1990–91	14 350	22 326	1 054	2 626
1991–92	13 058	18 963	1 212	3 628
1992–93	14 284	24 487	1 014	2 280
1993–94	14 915	27 797	1 184	3 055
1994–95	13 989	14 719	1 307	3 188
1995–96	16 128	27 785	1 435	3 639
1996–97	18 098	35 061	1 417	4 240
1997–98	18 247	31 113	1 341	3 816
1998–99	19 580	34 160	1 739	5 071
1999–2000	19 848	37 143	1 590	5 014
2000–01	20 253	34 663	1 761	5 286
2001–02	19 777	39 134	1 666	4 931
2002–03	19 582	17 361	1 075	2 835
2003–04	21 944	43 315	1 231	3 664
2004–05	22 407	34 671	1 343	3 878
2005–06	20 827	41 226	1 433	4 352
2006–07	20 207	17 580	918	2 166
2007–08	21 978	25 415	1 199	4 567
2008–09	22 901	34 378	1 156	3 794
2009–10	22 844	35 344	903	2 764
2010–11	22 392	41 672	1 514	4 446
2011–12	22 693	45 670	1 558	5 494
2012–13	22 421	37 934	1 412	5 505
2013–14	21 420	41 878	1 139	3 847
2014–15	21 760	39 197	1 149	4 262
2015–16	22 115	39 640	1 177	3 775

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

Sources: ABARES; Australian Bureau of Statistics, Canberra; Australian Oilseeds Federation, Sydney; Pulse Australia, Sydney



**TABLE 23** Australian winter and summer crop area and production, by state

		New			South	Western		
	Unit	South Wales	Victoria	Queensland	Australia	Australia	Tasmania	Australia
<b>Winter a</b>								
<b>Area</b>								
2009–10	'000 ha	6 106	3 488	1 173	3 783	8 271	23	22 844
2010–11	'000 ha	6 158	3 457	1 217	3 821	7 715	24	22 392
2011–12	'000 ha	5 969	3 411	1 205	3 838	8 252	18	22 693
2012–13	'000 ha	5 852	3 457	1 222	3 776	8 097	16	22 421
2013–14	'000 ha	5 314	3 283	1 105	3 448	8 249	20	21 420
2014–15	'000 ha	5 491	3 304	995	3 639	8 313	19	21 760
2015–16	'000 ha	5 674	3 242	1 234	3 568	8 378	19	22 115
<b>Production</b>								
2009–10	kt	7 787	5 889	1 617	7 035	12 943	72	35 344
2010–11	kt	14 784	7 625	1 821	9 316	8 044	82	41 672
2011–12	kt	11 952	7 352	2 329	7 371	16 600	65	45 670
2012–13	kt	11 123	6 886	2 156	6 470	11 243	56	37 934
2013–14	kt	9 773	6 773	1 516	7 221	16 510	85	41 878
2014–15	kt	10 445	5 117	1 464	7 439	14 662	70	39 197
2015–16	kt	11 408	4 156	2 181	7 174	14 666	55	39 640
<b>Summer b</b>								
<b>Area</b>								
2009–10	'000 ha	381	2	514	0	2	0	903
2010–11	'000 ha	713	3	790	1	1	0	1 514
2011–12	'000 ha	757	8	783	1	2	0	1 558
2012–13	'000 ha	712	6	687	0	2	0	1 412
2013–14	'000 ha	568	5	559	0	2	0	1 139
2014–15	'000 ha	435	6	696	0	6	0	1 149
2015–16	'000 ha	436	6	725	0	5	0	1 177
<b>Production</b>								
2009–10	kt	1 405	8	1 342	0	4	0	2 764
2010–11	kt	2 514	17	1 901	0	5	0	4 446
2011–12	kt	3 064	31	2 379	2	6	0	5 494
2012–13	kt	3 205	37	2 250	2	5	0	5 505
2013–14	kt	2 317	46	1 469	0	8	0	3 847
2014–15	kt	2 044	62	2 134	0	15	0	4 262
2015–16	kt	1 637	55	2 066	0	11	0	3 775

**a** Includes barley, canola, chickpeas, faba beans, field peas, lentils, linseed, lupins, oats, safflower, triticale and wheat. **b** Includes cottonseed, grain sorghum, corn (maize), mung beans, navy beans, peanuts, rice and sunflower. Australia totals also include navy beans.

Sources: ABARES; Australian Bureau of Statistics, Canberra; Australian Oilseeds Federation, Sydney; Pulse Australia, Sydney

**TABLE 24** Value of Australian agricultural exports (fob) <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Farm</b>							
<b>Crops</b>							
<b>Grains</b>							
barley	1 093	1 295	1 875	1 626	2 199	2 137	1 790
corn (maize)	8	6	24	50	36	30	22
grain sorghum	116	146	299	364	253	424	364
oats	53	37	47	83	80	106	104
rice	43	165	427	459	490	506	519
wheat	3 692	5 516	6 378	6 776	6 103	5 547	5 120
<b>Oilseeds</b>							
canola	583	866	1 344	2 094	1 929	1 349	1 097
cottonseed	46	85	195	219	168	75	69
other oilseeds <sup>a</sup>	24	14	10	13	18	14	19
<b>Pulses</b>							
chickpeas	255	213	384	533	297	414	1 013
field peas	60	85	93	89	67	91	86
lupins	115	89	86	143	116	119	103
other pulses <sup>b</sup>	258	311	436	418	539	541	552
<b>Total grains, oilseeds and pulses</b>	<b>6 344</b>	<b>8 827</b>	<b>11 598</b>	<b>12 869</b>	<b>12 296</b>	<b>11 352</b>	<b>10 856</b>
<b>Industrial crops</b>							
Raw cotton <sup>c</sup>	755	1 367	2 736	2 695	2 355	1 546	1 264
Sugar	1 887	1 436	1 556	1 437	1 384	1 643	1 893
Wine	2 188	2 009	1 910	1 867	1 847	1 983	2 184
Total industrial crops	4 830	4 812	6 203	5 999	5 587	5 172	5 341
<b>Horticulture</b>							
Fruit	585	456	505	634	724	755	1 072
Tree nuts	212	211	240	348	610	734	930
Vegetables	282	296	276	260	270	293	344
Nursery	23	20	15	12	11	12	15
Other horticulture <sup>d</sup>	274	293	258	224	250	266	310
Total horticulture	1 376	1 277	1 294	1 478	1 865	2 060	2 671
Other crops and crop products	2 122	2 148	2 125	2 240	2 603	3 033	3 874
<b>Total crops</b>	<b>14 672</b>	<b>17 064</b>	<b>21 219</b>	<b>22 585</b>	<b>22 351</b>	<b>21 617</b>	<b>22 743</b>
<b>Meat and live animals</b>							
Beef and veal	3 953	4 328	4 467	4 871	6 265	8 858	8 285
Live feeder/slaughter cattle <sup>e</sup>	550	499	412	339	795	1 163	1 280
Live breeder cattle <sup>f</sup>	152	161	239	251	255	192	271
Lamb	916	1 026	1 060	1 086	1 468	1 695	1 640
Live sheep <sup>g</sup>	298	348	345	194	185	245	228
Mutton	433	404	362	480	758	778	663
Pig meat	109	106	100	81	85	102	119
Poultry meat	36	38	45	43	50	56	53
Total meat and live animals	6 446	6 910	7 030	7 344	9 859	13 090	12 539
<b>Wool</b>							
Greasy	1 773	2 371	2 448	2 261	2 212	2 497	2 591
Semi-processed	238	251	242	209	238	282	281
Skins	291	426	433	398	426	375	412
Total wool <sup>h</sup>	2 303	3 048	3 123	2 869	2 877	3 154	3 284
<b>Dairy products</b>							
Butter	211	252	201	180	243	198	156
Cheese	715	731	751	784	765	823	859
Casein	88	53	48	46	42	10	10
Skim milk powder	352	504	474	467	708	682	516
Whole milk powder	296	402	378	312	532	294	257
Other dairy products	694	764	877	942	904	868	1 202
Total dairy	2 357	2 705	2 730	2 731	3 194	2 876	3 001
Other livestock and livestock product	2 059	2 190	2 287	2 512	2 876	3 192	3 066
<b>Total livestock exports</b>	<b>13 165</b>	<b>14 853</b>	<b>15 170</b>	<b>15 456</b>	<b>18 806</b>	<b>22 312</b>	<b>21 889</b>
<b>Total farm exports</b>	<b>27 837</b>	<b>31 917</b>	<b>36 389</b>	<b>38 041</b>	<b>41 157</b>	<b>43 928</b>	<b>44 632</b>

<sup>a</sup> Includes soybeans, linseed, sunflower seed, safflower seed and peanuts. Excludes meals and oils. <sup>b</sup> Field peas and cowpeas. <sup>c</sup> Excludes cotton waste and linters. <sup>d</sup> Other horticulture includes mainly coffee, tea, spices, essential oils and other miscellaneous horticultural products. <sup>e</sup> Includes buffalo. <sup>f</sup> Includes dairy cattle and buffalo. <sup>g</sup> Includes breeding stock. <sup>h</sup> On a balance of payments basis. Australian Bureau of Statistics recorded trade data adjusted for changes in stock levels held overseas. <sup>fo</sup> free on board.

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

**TABLE 25** Value of Australian agricultural exports (fob), by country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Africa</b>							
Egypt	269	407	407	381	337	401	348
South Africa	117	113	220	188	143	186	117
Other	424	447	518	777	877	584	380
Total	809	968	1 145	1 347	1 357	1 171	844
<b>Americas</b>							
United States	2 366	2 168	2 230	2 425	3 036	5 202	4 628
Canada	336	333	327	338	415	552	539
Other	173	206	277	221	190	227	244
Total	2 875	2 706	2 835	2 984	3 641	5 980	5 411
<b>North Asia</b>							
China	3 670	4 672	6 703	7 490	9 191	9 077	8 978
Japan	4 133	4 261	4 300	4 150	3 845	4 215	4 311
Korea, Rep. of	2 080	2 147	2 398	2 379	2 357	2 837	3 267
Taiwan	697	763	746	710	815	806	776
Other	540	538	601	657	841	1 061	1 242
Total	11 120	12 380	14 747	15 387	17 049	17 996	18 574
<b>South-East Asia</b>							
Indonesia	2 299	2 545	2 436	2 668	3 089	3 452	3 147
Malaysia	879	899	881	1 031	1 223	1 269	1 156
Philippines	321	510	683	652	471	653	666
Singapore	705	787	857	988	1 138	1 037	1 120
Thailand	608	819	982	777	826	798	702
Other	621	875	1 004	862	1 269	1 506	2 316
Total	5 433	6 436	6 844	6 978	8 015	8 717	8 406
<b>South Asia</b>	1 358	1 424	1 365	1 755	1 401	1 671	1 547
<b>Middle East</b>	2 097	2 728	3 137	3 927	3 837	3 068	3 094
<b>Europe</b>							
European Union <b>a</b>	1 833	2 529	2 891	2 716	2 771	2 455	3 062
Russian Federation	217	487	399	319	390	110	118
Other	117	281	238	182	156	147	169
Total	2 167	3 298	3 528	3 216	3 317	2 712	3 349
<b>Oceania</b>							
New Zealand	1 449	1 415	1 438	1 477	1 493	1 559	1 585
Other	482	519	546	565	588	610	421
Total	1 931	1 934	1 984	2 043	2 081	2 168	2 213
<b>Other <b>b</b></b>	47	44	805	404	458	445	261
<b>Total</b>	<b>27 837</b>	<b>31 917</b>	<b>36 389</b>	<b>38 041</b>	<b>41 157</b>	<b>43 928</b>	<b>44 632</b>

**a** Regarded as 28 countries. **b** Includes commodities such as rice and lupins for which export data are not available by destination. **fob** free on board.

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 some of these commodities are calculated using an average export unit return.

Sources: ABARES; Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources, Canberra

**TABLE 26** Value of Australian agricultural imports

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Grains, oilseeds and pulses</b>							
Wheat	0	1	1	1	1	1	1
Rice	225	181	159	152	185	205	206
Canola	21	22	27	28	43	48	41
Cottonseed	7	4	7	7	9	18	17
Pulses	18	19	16	15	18	23	27
Other grains and oilseeds	4	9	18	22	24	33	41
<b>Total</b>	<b>275</b>	<b>236</b>	<b>228</b>	<b>226</b>	<b>281</b>	<b>328</b>	<b>333</b>
<b>Horticulture</b>							
Fruit	773	818	937	864	1 089	1 232	1 288
Tree nuts	213	245	295	287	346	425	487
Vegetables	646	686	814	796	871	942	1 031
Coffee and spices	419	510	601	599	688	793	916
Other horticulture	168	95	75	131	149	98	41
<b>Total</b>	<b>2 217</b>	<b>2 355</b>	<b>2 722</b>	<b>2 676</b>	<b>3 144</b>	<b>3 490</b>	<b>3 762</b>
<b>Industrial crops</b>							
Cotton	0	1	0	0	0	0	0
Sugar	51	105	75	52	83	86	42
Wine	477	490	554	602	678	691	752
<b>Total</b>	<b>529</b>	<b>596</b>	<b>630</b>	<b>654</b>	<b>761</b>	<b>777</b>	<b>794</b>
<b>Meat and live animals for slaughter</b>							
Beef and veal	14	20	21	14	14	12	19
Sheep meat	10	10	7	6	7	5	4
Pig meat	477	453	474	527	517	657	630
<b>Total</b>	<b>501</b>	<b>483</b>	<b>502</b>	<b>548</b>	<b>538</b>	<b>673</b>	<b>653</b>
<b>Wool</b>							
Greasy	0	0	0	0	0	0	0
<b>Dairy products</b>							
Butter	72	84	92	67	100	105	108
Cheese	360	398	408	390	493	532	585
Casein	7	9	9	8	14	28	19
Wholemilk powder	35	42	39	33	45	45	64
Other dairy products	142	162	206	192	270	240	277
<b>Total</b>	<b>615</b>	<b>694</b>	<b>755</b>	<b>691</b>	<b>921</b>	<b>950</b>	<b>1 052</b>
<b>Other farm imports a</b>	<b>6 013</b>	<b>6 264</b>	<b>6 509</b>	<b>7 036</b>	<b>8 275</b>	<b>9 141</b>	<b>10 668</b>
<b>Total farm Imports</b>	<b>10 151</b>	<b>10 627</b>	<b>11 346</b>	<b>11 831</b>	<b>13 920</b>	<b>15 360</b>	<b>17 262</b>

a Consists largely of substantially and elaborately transformed foods. Zero is used to denote nil or less than \$0.5 million.

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

**TABLE 27** Value of Australian agricultural imports by country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Africa	193	197	139	129	161	198	198
Americas							
Argentina	200	260	311	353	436	483	477
Mexico	124	131	136	173	214	254	285
United States	1 162	1 176	1 297	1 432	1 611	1 769	1 864
Other	586	632	655	585	682	807	848
Total	2 073	2 199	2 399	2 543	2 942	3 313	3 474
North Asia							
China	653	702	723	760	851	917	1 040
Other	216	215	220	234	267	384	526
Total	868	917	943	994	1 119	1 301	1 566
South-East Asia							
Indonesia	165	175	162	171	195	246	294
Malaysia	366	431	416	417	472	511	551
Singapore	216	572	832	838	831	907	972
Thailand	427	480	445	464	537	601	693
Vietnam	128	143	171	166	206	260	322
Other	43	49	53	47	65	90	92
Total	1 345	1 849	2 080	2 102	2 305	2 616	2 923
South Asia							
India	192	194	238	223	239	278	312
Other	73	78	75	75	94	107	122
Total	265	272	313	298	333	385	434
Middle East	44	57	50	60	73	85	100
Europe							
Denmark	300	236	221	261	264	354	349
France	348	360	394	453	560	570	685
Germany	240	244	264	301	338	371	445
Italy	463	436	469	486	623	642	718
Netherlands	276	267	354	400	440	508	604
United Kingdom	378	377	397	451	518	530	624
Other	1 367	1 064	991	998	1 180	1 253	1 518
Total	3 372	2 986	3 089	3 351	3 923	4 228	4 942
Oceania							
New Zealand	1 779	1 902	2 043	2 075	2 751	2 928	3 352
Other	85	98	99	75	71	82	94
Total	1 865	2 000	2 143	2 151	2 822	3 010	3 446
Other	127	150	190	204	242	224	179
<b>Total</b>	<b>10 151</b>	<b>10 627</b>	<b>11 346</b>	<b>11 831</b>	<b>13 920</b>	<b>15 360</b>	<b>17 262</b>

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

# Rural commodities



TABLE 28 Summary of Australian statistics for coarse grains

	Area '000 ha	Yield t/ha	Production a		Exports b	
			Volume kt	Value \$m	Volume kt	Value \$m
1972-73	3 891	0.93	3 620	190	1 663	79
1973-74	3 664	1.28	4 672	347	1 742	137
1974-75	3 285	1.35	4 424	404	2 884	280
1975-76	3 868	1.46	5 630	500	3 148	307
1976-77	3 901	1.29	5 018	464	3 327	335
1977-78	4 318	0.98	4 218	347	1 939	179
1978-79	4 663	1.51	7 063	555	2 850	246
1979-80	4 200	1.48	6 216	667	4 467	512
1980-81	4 280	1.22	5 209	701	2 764	430
1981-82	4 847	1.38	6 686	798	3 459	519
1982-83	4 528	0.88	3 966	563	1 805	294
1983-84	5 794	1.64	9 497	1 240	4 548	738
1984-85	5 524	1.59	8 772	1 156	6 466	981
1985-86	5 307	1.53	8 114	975	5 838	826
1986-87	4 435	1.58	6 990	816	3 693	476
1987-88	4 576	1.57	7 164	922	2 505	na
1988-89	4 292	1.57	6 735	1 064	2 474	448
1989-90	3 918	1.79	7 006	1 086	3 345	667
1990-91	4 127	1.64	6 767	869	3 320	576
1991-92	4 624	1.75	8 109	1 151	2 738	487
1992-93	4 689	1.78	8 361	1 176	3 331	611
1993-94	5 044	1.96	9 865	1 241	2 328	445
1994-95	4 257	1.30	5 535	1 125	2 649	452
1995-96	5 294	1.90	10 069	2 050	4 104	1 025
1996-97	5 375	2.02	10 845	1 978	4 819	1 104
1997-98	5 388	1.87	10 101	1 601	3 403	810
1998-99	5 114	2.10	10 722	1 419	5 070	935
1999-2000	4 242	2.22	9 436	1 401	4 065	865
2000-01	5 326	2.05	10 914	1 952	4 630	1 198
2001-02	5 806	2.25	13 048	2 583	5 753	1 438
2002-03	5 899	1.17	6 923	1 650	3 768	1 029
2003-04	6 816	2.29	15 630	2 562	5 785	1 344
2004-05	6 756	1.79	12 063	1 849	7 190	1 412
2005-06	6 562	2.18	14 294	2 132	5 684	1 192
2006-07	6 215	1.08	6 727	1 597	3 246	870
2007-08	7 509	1.77	13 289	3 857	4 418	1 614
2008-09	7 040	1.79	12 587	2 853	5 533	1 802
2009-10	6 178	1.85	11 407	2 045	4 953	1 269
2010-11	5 389	2.18	11 769	2 519	5 318	1 483
2011-12	5 323	2.34	12 457	2 564	7 911	2 245
2012-13	5 197	2.21	11 499	3 053	6 832	2 123
2013-14	5 193	2.35	12 226	3 253	8 121	2 568
2014-15	5 806	2.19	12 691	3 582	7 756	2 697
2015-16	5 802	2.17	12 571	3 146	6 844	2 280

a Barley, grain sorghum, corn (maize), oats and triticale. b July-June years. Including barley, grain sorghum, corn (maize), oats and the grain equivalent of malt.

Sources: ABARES; Australian Bureau of Statistics (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, *International trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of agricultural commodities produced, Australia*, cat. no. 7503.0, Canberra; United Nations Commodity Trade Statistics Database (UN Comtrade)

**TABLE 29** Australian coarse grains area, yield and production, by state a

		<b>New</b>			<b>South</b>	<b>Western</b>		
	<b>Unit</b>	<b>South Wales</b>	<b>Victoria</b>	<b>Queensland</b>	<b>Australia</b>	<b>Australia</b>	<b>Tasmania</b>	<b>Australia b</b>
<b>Barley</b>								
<b>Area</b>								
2009–10	'000 ha	951	976	69	997	1 420	9	4 422
2010–11	'000 ha	878	802	94	795	1 101	11	3 681
2011–12	'000 ha	673	831	80	881	1 246	6	3 718
2012–13	'000 ha	619	854	90	861	1 215	5	3 644
2013–14	'000 ha	715	919	106	810	1 258	6	3 814
2014–15	'000 ha	882	916	125	840	1 308	5	4 078
2015–16	'000 ha	900	940	100	810	1 350	5	4 105
<b>Yield</b>								
2009–10	t/ha	1.30	1.91	1.65	2.07	1.80	3.25	1.78
2010–11	t/ha	2.50	2.43	1.56	2.67	1.41	3.59	2.17
2011–12	t/ha	2.12	2.41	2.39	2.06	2.22	3.57	2.21
2012–13	t/ha	2.08	2.29	1.90	2.08	1.85	3.24	2.05
2013–14	t/ha	2.08	2.22	1.70	2.33	2.83	4.25	2.41
2014–15	t/ha	2.12	1.50	2.02	2.31	2.44	3.24	2.12
2015–16	t/ha	2.10	1.44	2.07	2.32	2.41	2.74	2.09
<b>Production</b>								
2009–10	kt	1 236	1 865	113	2 068	2 554	29	7 865
2010–11	kt	2 194	1 945	146	2 122	1 549	39	7 995
2011–12	kt	1 425	2 005	191	1 816	2 761	23	8 221
2012–13	kt	1 286	1 952	170	1 794	2 252	17	7 472
2013–14	kt	1 486	2 036	180	1 892	3 556	25	9 174
2014–15	kt	1 869	1 374	253	1 941	3 192	17	8 646
2015–16	kt	1 890	1 350	207	1 881	3 250	15	8 593
<b>Oats</b>								
<b>Area</b>								
2009–10	'000 ha	307	168	12	96	263	4	850
2010–11	'000 ha	321	166	14	67	255	3	826
2011–12	'000 ha	236	131	18	55	288	3	731
2012–13	'000 ha	234	117	48	68	258	4	729
2013–14	'000 ha	268	106	23	54	260	4	715
2014–15	'000 ha	362	133	65	57	233	4	854
2015–16	'000 ha	300	140	18	60	310	4	832
<b>Yield</b>								
2009–10	t/ha	0.69	1.78	0.57	1.50	1.87	1.81	1.37
2010–11	t/ha	1.46	1.43	0.54	1.86	1.11	2.07	1.37
2011–12	t/ha	1.09	1.79	1.27	1.42	2.30	2.23	1.73
2012–13	t/ha	1.18	1.99	0.30	1.30	1.95	2.02	1.54
2013–14	t/ha	1.06	2.02	0.13	1.53	2.55	2.71	1.76
2014–15	t/ha	0.97	1.35	0.23	1.57	2.39	1.72	1.40
2015–16	t/ha	1.20	1.25	0.83	1.68	2.10	1.55	1.57
<b>Production</b>								
2009–10	kt	211	300	7	144	493	7	1 162
2010–11	kt	469	237	7	125	283	7	1 128
2011–12	kt	258	234	23	78	662	8	1 262
2012–13	kt	276	233	14	88	502	7	1 121
2013–14	kt	283	213	3	82	661	12	1 255
2014–15	kt	350	179	15	89	558	6	1 198
2015–16	kt	360	175	15	101	651	6	1 308

Continued



**TABLE 29** Australian coarse grains area, yield and production, by state a continued

	Unit	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia b
<b>Triticale</b>								
<b>Area</b>								
2009–10	'000 ha	122	108	1	84	33	2	350
2010–11	'000 ha	72	38	1	52	24	1	187
2011–12	'000 ha	52	36	1	32	23	1	145
2012–13	'000 ha	33	22	0	29	15	0	99
2013–14	'000 ha	28	16	0	21	14	1	80
2014–15	'000 ha	29	16	2	16	17	0	82
2015–16	'000 ha	50	16	1	35	15	0	117
<b>Yield</b>								
2009–10	t/ha	1.83	1.66	0.90	1.07	1.40	3.35	1.56
2010–11	t/ha	2.44	1.90	2.25	1.66	0.77	2.74	1.90
2011–12	t/ha	2.49	2.10	2.16	1.28	1.54	2.60	1.97
2012–13	t/ha	2.11	2.30	4.00	1.34	0.79	1.73	1.73
2013–14	t/ha	1.94	2.01	0.00	0.95	1.24	2.85	1.57
2014–15	t/ha	2.28	2.06	1.13	1.11	1.25	2.65	1.75
2015–16	t/ha	2.10	1.59	2.00	1.30	1.15	2.18	1.67
<b>Production</b>								
2009–10	kt	223	179	0	90	47	7	545
2010–11	kt	175	73	1	86	19	2	355
2011–12	kt	129	75	2	41	36	1	285
2012–13	kt	70	50	0	38	12	1	171
2013–14	kt	55	32	0	20	17	2	126
2014–15	kt	67	32	0	18	22	1	143
2015–16	kt	105	25	0	46	17	1	195
<b>Grain sorghum</b>								
<b>Area</b>								
2009–10	'000 ha	164	0	333	0	1	0	498
2010–11	'000 ha	197	1	435	0	1	0	633
2011–12	'000 ha	221	1	436	0	1	0	659
2012–13	'000 ha	214	1	431	0	1	0	647
2013–14	'000 ha	175	0	356	0	1	0	532
2014–15	'000 ha	184	0	547	0	1	0	732
2015–16	'000 ha	180	0	500	0	1	0	681
<b>Yield</b>								
2009–10	t/ha	3.55	0.00	2.78	0.00	0.10	0.00	3.03
2010–11	t/ha	3.80	3.46	2.72	2.22	1.48	0.00	3.06
2011–12	t/ha	3.68	2.46	3.25	0.00	2.89	0.00	3.40
2012–13	t/ha	3.49	4.00	3.42	0.00	2.90	0.00	3.45
2013–14	t/ha	2.39	2.20	2.42	0.00	2.78	0.00	2.41
2014–15	t/ha	3.18	3.13	2.96	5.60	2.74	0.00	3.02
2015–16	t/ha	3.25	2.87	2.90	0.00	1.60	0.00	2.99
<b>Production</b>								
2009–10	kt	581	0	926	0	0	0	1 508
2010–11	kt	748	2	1 183	0	1	0	1 935
2011–12	kt	814	3	1 416	0	2	0	2 239
2012–13	kt	747	4	1 475	1	2	0	2 229
2013–14	kt	419	0	860	0	2	0	1 282
2014–15	kt	586	1	1 618	1	4	0	2 209
2015–16	kt	585	0	1 450	0	2	0	2 037

Continued

**TABLE 29** Australian coarse grains area, yield and production, by state <sup>a</sup> continued

	Unit	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia <sup>b</sup>
<b>Corn (maize)</b>								
<b>Area</b>								
2009–10	'000 ha	20	1	37	0	1	0	59
2010–11	'000 ha	23	2	37	0	0	0	62
2011–12	'000 ha	21	4	43	1	0	0	70
2012–13	'000 ha	34	3	40	0	1	0	78
2013–14	'000 ha	22	3	26	0	1	0	52
2014–15	'000 ha	23	5	31	0	1	0	60
2015–16	'000 ha	22	5	39	0	1	0	67
<b>Yield</b>								
2009–10	t/ha	8.60	6.31	3.95	0.00	4.00	5.71	5.56
2010–11	t/ha	7.38	7.43	4.63	6.17	6.98	0.00	5.74
2011–12	t/ha	9.81	5.00	5.06	2.35	7.44	na	6.47
2012–13	t/ha	7.68	9.33	5.33	na	3.00	na	6.49
2013–14	t/ha	9.44	11.11	5.25	na	9.77	na	7.45
2014–15	t/ha	10.49	12.23	5.96	na	11.89	10.22	8.30
2015–16	t/ha	8.54	10.75	4.91	na	6.24	na	6.54
<b>Production</b>								
2009–10	kt	172	6	146	0	4	0	328
2010–11	kt	171	12	171	1	2	0	357
2011–12	kt	207	21	217	2	2	0	451
2012–13	kt	261	28	213	1	3	0	506
2013–14	kt	209	38	137	0	5	0	390
2014–15	kt	246	59	183	0	7	0	495
2015–16	kt	188	52	193	0	6	0	439
<b>Total coarse grains</b>								
<b>Area</b>								
2009–10	'000 ha	1 563	1 254	452	1 177	1 718	15	6 178
2010–11	'000 ha	1 491	1 008	580	914	1 382	15	5 389
2011–12	'000 ha	1 203	1 003	577	969	1 558	10	5 323
2012–13	'000 ha	1 134	997	609	958	1 490	9	5 197
2013–14	'000 ha	1 209	1 044	511	885	1 533	11	5 193
2014–15	'000 ha	1 481	1 070	771	914	1 561	9	5 806
2015–16	'000 ha	1 452	1 101	658	905	1 677	10	5 802
<b>Yield</b>								
2009–10	t/ha	1.55	1.87	2.64	1.96	1.80	2.90	1.85
2010–11	t/ha	2.52	2.25	2.60	2.55	1.34	3.21	2.18
2011–12	t/ha	2.35	2.33	3.20	2.00	2.22	3.08	2.34
2012–13	t/ha	2.33	2.27	3.08	2.01	1.86	2.69	2.21
2013–14	t/ha	2.03	2.22	2.31	2.25	2.77	3.56	2.35
2014–15	t/ha	2.10	1.54	2.69	2.24	2.42	2.64	2.19
2015–16	t/ha	2.15	1.46	2.84	2.24	2.34	2.25	2.17
<b>Production</b>								
2009–10	kt	2 423	2 349	1 193	2 302	3 098	42	11 407
2010–11	kt	3 756	2 268	1 509	2 334	1 854	48	11 769
2011–12	kt	2 833	2 338	1 849	1 936	3 463	32	12 457
2012–13	kt	2 640	2 267	1 873	1 923	2 771	25	11 499
2013–14	kt	2 452	2 319	1 180	1 995	4 241	39	12 226
2014–15	kt	3 118	1 645	2 072	2 049	3 782	25	12 691
2015–16	kt	3 128	1 603	1 865	2 028	3 926	22	12 571

<sup>a</sup> Crops sown for grain. <sup>b</sup> Australian totals may not be equal to the sum of the states as a result of rounding and the inclusion of data for the Northern Territory and the Australian Capital Territory. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra

**TABLE 30** Summary of Australian statistics for barley, crops sown for grain

	Area '000 ha	Yield t/ha	Production		Exports a	
			Volume kt	Value \$m	Volume kt	Value \$m
1972–73	2 140	0.81	1 727	91	804	39
1973–74	1 895	1.27	2 398	190	808	69
1974–75	1 826	1.38	2 515	257	1 760	187
1975–76	2 329	1.36	3 179	314	1 963	201
1976–77	2 321	1.23	2 847	295	2 100	223
1977–78	2 802	0.85	2 383	205	1 325	122
1978–79	2 785	1.44	4 006	339	2 028	174
1979–80	2 483	1.49	3 703	450	3 406	407
1980–81	2 452	1.09	2 682	381	2 076	341
1981–82	2 685	1.28	3 450	463	2 021	340
1982–83	2 452	0.79	1 939	288	1 262	225
1983–84	3 109	1.57	4 890	733	3 468	583
1984–85	3 518	1.58	5 554	759	4 341	665
1985–86	3 285	1.48	4 868	587	4 490	610
1986–87	2 274	1.56	3 548	433	2 637	351
1987–88	2 346	1.46	3 417	460	1 863	na
1988–89	2 190	1.48	3 242	569	1 918	355
1989–90	2 310	1.75	4 044	709	2 926	603
1990–91	2 556	1.61	4 108	568	2 924	512
1991–92	2 744	1.65	4 530	693	2 403	435
1992–93	2 947	1.83	5 397	802	2 832	532
1993–94	3 425	1.95	6 668	845	1 910	375
1994–95	2 471	1.18	2 913	622	2 437	413
1995–96	3 111	1.87	5 823	1 276	3 457	876
1996–97	3 367	1.99	6 696	1 308	4 375	999
1997–98	3 521	1.84	6 482	1 032	2 987	726
1998–99	3 167	1.89	5 987	835	4 718	877
1999–2000	2 596	1.94	5 032	865	3 837	822
2000–01	3 454	1.95	6 744	1 344	4 149	1 101
2001–02	3 707	2.23	8 280	1 725	4 992	1 278
2002–03	3 864	1.00	3 865	984	3 466	955
2003–04	4 477	2.32	10 382	1 750	5 312	1 239
2004–05	4 646	1.67	7 740	1 233	6 502	1 275
2005–06	4 406	2.15	9 482	1 417	5 316	1 108
2006–07	4 182	1.02	4 257	1 039	3 136	833
2007–08	4 902	1.46	7 160	2 244	4 052	1 496
2008–09	5 015	1.59	7 997	1 850	3 899	1 321
2009–10	4 422	1.78	7 865	1 356	4 235	1 093
2010–11	3 681	2.17	7 995	1 729	4 625	1 295
2011–12	3 718	2.21	8 221	1 723	6 568	1 875
2012–13	3 644	2.05	7 472	2 063	5 165	1 626
2013–14	3 814	2.41	9 174	2 453	7 124	2 199
2014–15	4 078	2.12	8 646	2 417	6 208	2 137
2015–16	4 105	2.09	8 593	2 132	5 498	1 790

a Including grains and the grain equivalent of malt exported. July–June years. na Not available.

Sources: ABARES; Australian Bureau of Statistics (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, *International trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of agricultural commodities produced, Australia*, cat. no. 7503.0, Canberra

**TABLE 31** Summary of Australian statistics for oats, crops sown for grain

	Area	Production			Exports a	
		Yield	Volume	Value	Volume	Value
	'000 ha	t/ha	kt	\$m	kt	\$m
1972–73	995	0.74	736	32	115	5
1973–74	1 182	0.94	1 107	67	184	14
1974–75	896	0.98	874	60	267	20
1975–76	1 026	1.17	1 197	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	165	192	27
1987–88	1 276	1.33	1 698	195	215	31
1988–89	1 310	1.40	1 838	237	253	46
1989–90	1 089	1.51	1 640	178	232	35
1990–91	1 044	1.47	1 530	147	214	34
1991–92	1 160	1.46	1 690	182	141	21
1992–93	1 149	1.69	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
1999–2000	584	1.92	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	912	1.05	957	210	178	44
2003–04	1 089	1.85	2 018	279	172	38
2004–05	894	1.44	1 283	172	165	36
2005–06	930	1.81	1 688	249	190	47
2006–07	1 003	0.75	748	180	62	20
2007–08	1 238	1.21	1 502	423	115	37
2008–09	870	1.33	1 160	251	196	64
2009–10	850	1.37	1 162	186	216	53
2010–11	826	1.37	1 128	221	127	37
2011–12	731	1.73	1 262	255	163	47
2012–13	729	1.54	1 121	265	241	83
2013–14	715	1.76	1 255	268	213	80
2014–15	854	1.40	1 198	300	284	106
2015–16	832	1.57	1 308	327	230	104

a July–June years.

Sources: ABARES; Australian Bureau of Statistics (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, *International trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of agricultural commodities produced, Australia*, cat. no. 7503.0, Canberra; United Nations Commodity Trade Statistics Database (UN Comtrade)

**TABLE 32** Summary of Australian statistics for sorghum, crops sown for grain

	Area '000 ha	Yield t/ha	Production		Exports a	
			Volume kt	Value \$m	Volume kt	Value \$m
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	162	818	91
1987–88	765	2.13	1 633	208	415	51
1988–89	625	1.99	1 244	194	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	499	2.17	1 084	173	173	32
1994–95	687	1.85	1 273	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
1999–2000	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	767	2.52	1 932	276	173	33
2006–07	613	2.09	1 283	274	46	13
2007–08	942	4.03	3 790	977	251	76
2008–09	767	3.51	2 692	553	1 368	405
2009–10	498	3.03	1 508	296	487	116
2010–11	633	3.06	1 935	412	553	146
2011–12	659	3.40	2 239	423	1 112	299
2012–13	647	3.45	2 229	562	1 291	364
2013–14	532	2.41	1 282	384	701	253
2014–15	732	3.02	2 209	666	1 205	424
2015–16	681	2.99	2 037	499	1 075	364

a July–June years.

Sources: ABARES; Australian Bureau of Statistics (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, *International trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of agricultural commodities produced, Australia*, cat. no. 7503.0, Canberra

**TABLE 33** Summary of Australian statistics for corn (maize), crops sown for grain

	Area '000 ha	Yield t/ha	Production		Exports a	
			Volume kt	Value \$m	Volume kt	Value \$m
1972–73	59	2.34	139	9	9	0
1973–74	46	2.32	106	9	3	0
1974–75	51	2.59	133	12	1	0
1975–76	47	2.81	131	12	11	1
1976–77	53	2.72	144	13	33	3
1977–78	45	2.87	130	12	11	2
1978–79	50	3.38	169	16	17	1
1979–80	54	2.80	151	20	8	1
1981–82	61	3.48	211	30	14	2
1982–83	64	2.16	139	23	18	2
1983–84	68	3.48	238	36	19	3
1984–85	103	2.83	291	46	140	25
1985–86	84	3.30	278	40	81	13
1986–87	58	3.58	206	31	46	7
1987–88	56	3.74	208	32	12	2
1988–89	52	4.19	217	36	13	4
1989–90	52	4.18	219	39	30	5
1990–91	49	3.99	194	32	16	5
1991–92	52	5.19	269	48	12	3
1992–93	45	4.43	199	42	21	5
1993–94	44	4.66	204	41	22	6
1994–95	50	4.83	242	59	6	3
1995–96	56	5.53	311	69	4	2
1996–97	67	5.96	398	80	22	8
1997–98	57	4.74	272	55	10	3
1998–99	65	5.24	338	60	19	6
1999–2000	82	4.93	406	62	43	11
2000–01	74	4.65	345	65	55	15
2001–02	83	5.50	454	90	45	14
2002–03	50	6.25	310	72	54	13
2003–04	70	5.63	395	88	12	6
2004–05	72	5.80	420	81	9	6
2005–06	67	5.39	362	71	4	4
2006–07	49	4.91	240	60	2	4
2007–08	68	5.69	387	100	1	5
2008–09	65	5.82	376	106	69	13
2009–10	59	5.56	328	88	15	8
2010–11	62	5.74	357	92	12	6
2011–12	70	6.47	451	113	68	24
2012–13	78	6.49	506	120	134	50
2013–14	52	7.45	390	116	83	36
2014–15	60	8.30	495	163	58	30
2015–16	67	6.54	439	142	41	22

a July–June years. Zero is used to denote nil or less than \$0.5 million.

Sources: ABARES; Australian Bureau of Statistics (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, *International trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of agricultural commodities produced, Australia*, cat. no. 7503.0, Canberra

**TABLE 34** Summary of Australian statistics for triticale, crops sown for grain

	Area '000 ha	Yield t/ha	Production	
			Volume kt	Value \$m
1979–80	22	1.30	29	3
1980–81	22	1.08	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	145	1.61	233	26
1987–88	134	1.55	208	27
1988–89	116	1.68	195	28
1989–90	91	1.80	164	25
1990–91	104	1.81	189	23
1991–92	101	1.76	177	25
1992–93	122	2.32	282	37
1993–94	129	2.03	263	35
1994–95	153	1.18	182	35
1995–96	221	2.12	469	95
1996–97	346	1.95	674	107
1997–98	366	1.73	632	108
1998–99	386	1.83	707	85
1999–2000	358	2.13	764	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	826	126
2004–05	389	1.57	610	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	120
2010–11	187	1.90	355	65
2011–12	145	1.97	285	50
2012–13	99	1.73	171	43
2013–14	80	1.57	126	32
2014–15	82	1.75	143	37
2015–16	117	1.67	195	46

Sources: ABARES; Australian Bureau of Statistics (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, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of agricultural commodities produced, Australia*, cat. no. 7503.0, Canberra

**TABLE 35** Volume of Australian exports of barley and sorghum, by destination <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16 <sup>s</sup>
	kt	kt	kt	kt	kt	kt	kt
<b>Barley</b>							
Asia							
China	1 284	1 267	1 686	1 712	3 711	4 560	1 725
Japan	1 135	908	1 075	952	810	496	418
Korea, Rep. of	132	202	232	215	257	234	171
Philippines	96	76	89	89	32	17	40
Taiwan	28	58	34	48	40	31	26
Thailand	146	190	171	178	na	na	na
Vietnam	155	133	186	174	176	184	167
Middle East							
Kuwait	96	259	332	141	134	44	130
Saudi Arabia	722	782	1 892	1 148	1 272	na	719
United Arab Emirates	225	284	311	155	145	143	187
Total	4 235	4 625	6 568	5 165	7 124	6 208	5 498
(value, \$m)	1 093	1 295	1 875	1 626	2 199	2 137	1 790
<b>Sorghum</b>							
Asia							
China	14	56	15	323	601	1 182	1 041
Japan	322	409	825	741	47	1	1
Taiwan	8	16	46	23	10	6	12
New Zealand	103	42	72	95	23	0	0
Papua New Guinea	26	18	20	14	6	1	1
Total	487	553	1 112	1 291	701	1 205	1 075
(value, \$m)	116	146	299	364	253	424	364

<sup>a</sup> July–June years. <sup>s</sup> Includes ABARES estimate for barley.

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



**TABLE 36** Australian coarse grains supply and disposal, by grain <sup>a</sup>

	Area '000 ha	Production kt	Exports kt	Estimated domestic disposals	
				Other kt	Seed kt
<b>Barley</b>					
2010–11	3 681	7 995	5 364	2 464	167
2011–12	3 718	8 221	6 146	1 911	164
2012–13	3 644	7 472	5 289	2 011	172
2013–14	3 814	9 174	6 957	2 035	184
2014–15	4 078	8 646	5 932	2 529	185
2015–16	4 105	8 593	6 290	2 123	180
<b>Oats</b>					
2010–11	826	1 128	118	974	35
2011–12	731	1 262	213	1 014	35
2012–13	729	1 121	237	850	34
2013–14	715	1 255	253	960	41
2014–15	854	1 198	238	920	40
2015–16	832	1 308	274	991	44
<b>Sorghum <sup>b</sup></b>					
2010–11	633	1 935	341	1 164	3
2011–12	659	2 239	950	981	3
2012–13	647	2 229	1 179	1 056	3
2013–14	532	1 282	1 146	1 080	3
2014–15	732	2 209	397	881	4
2015–16	681	2 037	1 638	568	3
<b>Corn (maize) <sup>b</sup></b>					
2010–11	62	357	9	319	1
2011–12	70	451	46	311	1
2012–13	78	506	106	346	1
2013–14	52	390	106	400	1
2014–15	60	495	60	330	1
2015–16	67	439	64	431	1
<b>Triticale</b>					
2010–11	187	355	na	348	7
2011–12	145	285	na	280	5
2012–13	99	171	na	167	4
2013–14	80	126	na	122	4
2014–15	82	143	na	137	6
2015–16	117	195	na	190	5
<b>Total</b>					
2010–11	5 389	11 769	5 832	5 269	214
2011–12	5 323	12 457	7 356	4 496	208
2012–13	5 197	11 499	6 812	4 429	214
2013–14	5 193	12 226	8 462	4 597	232
2014–15	5 806	12 691	6 628	4 797	235
2015–16	5 802	12 571	8 265	4 302	233

<sup>a</sup> Crops sown for grain. Crop years are November–October for barley, oats and triticale, and March–February for corn (maize) and grain sorghum. <sup>b</sup> Volumes are presented in the year of actual export, which is typically one year after production. **na** Not available.

Sources: ABARES, Australian crop report, Canberra; Australian Bureau of Statistics (ABS), *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal agricultural commodities, Australia, preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of crops, Australia*, cat. no. 7330.0, Canberra; United Nations Commodity Trade Statistics Database (UN Comtrade)

**TABLE 37** Australian feed grains prices

	<b>Barley a</b>	<b>Oats b</b>	<b>Grain sorghum c</b>	<b>Corn (maize) c</b>	<b>Feed wheat d</b>	<b>Triticale c</b>
	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t
1988–89	142	124	152	176	222	147
1989–90	152	116	153	176	169	156
1990–91	124	108	137	168	132	125
1991–92	147	141	173	189	160	151
1992–93	131	105	149	182	144	133
1993–94	127	105	169	230	138	136
1994–95	227	238	216	276	233	230
1995–96	227	172	224	244	236	220
1996–97	181	143	175	208	188	178
1997–98	179	171	182	216	186	184
1998–99	134	110	142	173	155	131
1999–2000	141	103	131	161	154	139
2000–01	173	137	163	187	171	176
2001–02	203	191	188	224	211	212
2002–03	303	332	289	339	308	305
2003–04	204	182	195	255	222	211
2004–05	182	173	172	228	194	190
2005–06	182	182	172	213	193	189
2006–07	295	363	271	337	287	294
2007–08	347	363	343	422	426	377
2008–09	263	266	247	361	327	311
2009–10	221	216	226	314	236	228
2010–11	238	194	257	337	264	234
2011–12	208	197	219	304	227	216
2012–13	284	237	284	332	306	297
2013–14	281	247	327	391	309	294
2014–15	284	261	321	380	295	289
2015–16	248	243	278	373	280	267
<b>2015</b>						
January	289	265	314	370	308	300
February	283	283	309	370	299	294
March	277	285	319	370	292	289
April	286	296	321	377	299	288
May	281	315	325	387	293	287
June	290	323	339	399	298	295
July	294	346	340	391	310	305
August	280	305	320	396	296	290
September	252	235	295	386	279	260
October	258	203	286	388	286	265
November	249	224	286	367	294	272
December	245	220	289	373	288	277
<b>2016</b>						
January	244	240	272	360	280	272
February	239	223	258	350	275	269
March	227	203	254	348	259	250
April	225	198	232	351	260	246
May	227	200	245	369	263	246
June	228	283	253	377	270	253

**a** Average quote for bulk feed barley, delivered Sydney. **b** Average quote for bulk feed oats, delivered Sydney.

**c** Average bulk quote, delivered Sydney. **d** General Purpose wheat, delivered Sydney.

Source: The Land, Rural Press Ltd.

TABLE 38 Summary of world statistics for coarse grains

	Area million ha	Production Mt	Use Mt	Closing stocks a		Stocks to use		Use per person kg	Price c US\$/t
				World Mt	United States Mt	ratio %	Trade b Mt		
1972-73	317	594	608	81	32	13	64	157	72
1973-74	335	659	656	80	22	12	70	166	114
1974-75	333	623	611	89	21	15	61	151	132
1975-76	339	641	633	93	24	15	78	154	116
1976-77	342	692	669	114	37	17	80	160	108
1977-78	344	691	676	124	50	18	84	159	95
1978-79	341	744	723	143	58	20	88	167	103
1979-80	341	736	731	153	64	21	96	166	115
1980-81	341	723	726	143	44	20	109	162	142
1981-82	349	759	738	168	78	23	98	161	118
1982-83	339	775	749	202	109	27	84	161	115
1983-84	334	678	743	133	40	18	91	157	146
1984-85	335	806	767	172	58	22	100	159	124
1985-86	341	834	763	242	127	32	82	156	106
1986-87	338	824	785	278	153	35	85	157	77
1987-88	325	787	796	264	134	33	90	156	86
1988-89	325	723	780	204	66	26	100	151	118
1989-90	323	794	815	183	46	23	104	154	111
1990-91	315	829	814	197	48	24	90	153	107
1991-92	321	812	812	196	34	24	94	150	110
1992-93	324	869	834	221	63	27	94	152	98
1993-94	315	798	833	183	27	22	88	150	115
1994-95	321	870	855	198	45	23	94	151	105
1995-96	311	801	830	164	14	20	95	145	160
1996-97	319	909	867	203	27	23	93	149	132
1997-98	309	880	866	217	38	25	86	147	112
1998-99	301	891	870	239	51	27	94	146	95
1999-2000	294	878	877	234	49	27	105	145	90
2000-01	294	863	883	212	53	24	104	144	87
2001-02	298	896	905	199	45	22	102	146	90
2002-03	292	875	901	172	31	19	102	143	107
2003-04	304	918	945	143	29	15	103	149	115
2004-05	300	1 016	979	179	59	18	101	152	97
2005-06	301	981	994	165	55	17	107	152	104
2006-07	308	988	1 009	139	36	14	118	153	151
2007-08	318	1 080	1 058	161	45	15	127	158	201
2008-09	316	1 108	1 077	190	47	18	113	159	190
2009-10	309	1 117	1 107	193	48	17	123	162	160
2010-11	307	1 098	1 129	161	32	14	116	163	254
2011-12	318	1 156	1 137	162	28	14	147	162	281
2012-13	317	1 137	1 141	164	24	14	123	161	312
2013-14	322	1 280	1 226	211	34	17	164	171	219
2014-15	326	1 306	1 255	245	47	20	186	173	174
2015-16	320	1 248	1 263	245	48	19	163	172	168

a Aggregation of local marketing years, not necessarily one fixed point in time. b Excludes intra-EU trade.

c Export price US no. 2 corn fob Gulf (July-June basis). fob free on board.

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

**TABLE 39** World coarse grains production, by region and country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Africa</b>							
Egypt	7	7	6	7	7	7	7
Ethiopia	9	11	12	12	13	14	10
Nigeria	20	21	17	19	19	19	18
South Africa	14	11	13	13	16	11	8
<b>Americas</b>							
Argentina	30	33	30	37	36	36	38
Brazil	58	60	76	84	83	88	69
Canada	23	23	23	24	29	22	26
Mexico	27	29	26	29	32	33	32
United States	348	330	322	285	367	377	367
<b>Asia</b>							
China	170	184	199	212	225	223	232
India	34	43	42	40	43	43	38
Indonesia	7	7	9	9	9	9	9
Turkey	11	10	11	11	13	9	14
<b>Europe</b>							
European Union <b>a</b>	158	143	150	146	159	171	152
Poland	20	18	17	20	19	18	na
France	31	27	28	30	28	33	na
Germany	24	20	19	23	23	14	na
Italy	10	10	11	9	8	10	na
Spain	12	13	14	11	17	13	na
Russian Federation	32	16	33	29	36	40	37
Ukraine	24	22	33	30	40	39	33
<b>Oceania</b>							
Australia	11	12	12	11	12	13	13
<b>Other</b>	133	136	140	139	141	152	145
<b>Total <b>b</b></b>	<b>1 117</b>	<b>1 098</b>	<b>1 156</b>	<b>1 137</b>	<b>1 280</b>	<b>1 306</b>	<b>1 248</b>

**a** Regarded as 28 countries. **b** Simple aggregation across each country's crop year. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; International Grains Council, *Grain Market Report*

**TABLE 40** World coarse grains production, by grain

	Corn Mt	Barley Mt	Grain sorghum Mt	Oats Mt	Total a Mt
1972-73	301	133	54	48	594
1973-74	331	146	66	50	659
1974-75	300	150	60	47	623
1975-76	339	136	64	45	641
1976-77	356	166	62	46	692
1977-78	365	157	64	48	691
1978-79	392	176	64	49	744
1979-80	426	154	62	43	736
1980-81	409	157	59	41	723
1981-82	442	149	70	40	759
1982-83	440	161	65	46	775
1983-84	348	159	59	44	678
1984-85	458	170	66	46	806
1985-86	479	174	70	47	834
1986-87	475	178	65	45	824
1987-88	451	175	57	41	787
1988-89	400	164	55	35	723
1989-90	462	166	55	39	794
1990-91	482	179	54	39	829
1991-92	493	170	54	33	812
1992-93	536	166	66	34	869
1993-94	476	169	55	35	798
1994-95	560	161	58	33	870
1995-96	517	141	55	29	801
1996-97	593	153	70	31	909
1997-98	574	154	58	31	880
1998-99	606	136	60	26	891
1999-2000	608	127	59	24	878
2000-01	592	133	55	26	863
2001-02	602	143	59	27	896
2002-03	604	134	54	26	875
2003-04	628	143	60	26	918
2004-05	717	152	58	26	1 016
2005-06	701	136	60	24	981
2006-07	716	137	57	23	988
2007-08	796	133	67	26	1 080
2008-09	800	155	65	26	1 108
2009-10	825	151	57	23	1 117
2010-11	836	123	61	20	1 098
2011-12	890	134	57	22	1 156
2012-13	870	129	57	21	1 137
2013-14	990	144	61	23	1 280
2014-15	1 014	142	65	22	1 306
2015-16	960	149	60	23	1 248

a Includes rye, millet and mixed grain. na Not available.

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

**TABLE 41** Volume of world coarse grains trade, by region and country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Africa							
Algeria	2.4	2.9	3.6	3.1	4.3	5.3	5.1
Egypt	5.9	5.9	7.2	5.1	8.8	7.9	8.7
Morocco	2.1	2.2	2.3	2.0	2.4	2.6	2.9
Americas							
Canada	4.3	3.5	4.0	3.7	5.5	6.1	6.6
Colombia	4.1	4.2	4.1	4.1	4.8	4.7	4.9
Mexico	10.9	10.7	12.7	7.6	11.3	11.6	14.7
United States	2.3	2.5	2.9	6.6	3.2	3.4	3.9
Asia							
China	3.8	2.7	7.9	5.6	12.4	25.7	17.5
Japan	19.2	18.6	17.7	17.7	17.5	16.7	17.1
Korea, Rep. of	8.5	8.2	7.7	8.3	10.5	10.2	10.2
Malaysia	3.1	2.8	3.4	3.0	3.5	3.2	4.1
Taiwan	4.6	4.3	4.5	4.4	4.3	3.9	4.6
Europe							
European Union <b>a</b>	2.9	8.5	7.0	11.8	16.3	9.0	13.9
Middle East							
Iran	5.2	3.9	5.2	5.3	6.4	8.3	8.3
Israel	4.3	3.5	4.0	3.7	5.5	6.1	6.6
Saudi Arabia	9.2	7.4	10.5	10.7	11.7	11.3	14.6
Syria	2.3	2.0	1.7	0.8	0.6	0.5	0.4
<b>Total b</b>	<b>115.3</b>	<b>115.8</b>	<b>128.6</b>	<b>128.9</b>	<b>157.4</b>	<b>169.8</b>	<b>179.9</b>
<b>Exports</b>							
Africa							
South Africa	2.1	2.5	1.8	2.1	2.0	0.7	0.8
Asia							
China	0.2	0.2	0.1	0.1	0.0	0.0	0.0
India	2.1	3.6	4.7	5.2	4.4	1.7	0.7
Americas							
Argentina	18.8	19.7	23.9	24.1	21.3	21.4	24.1
Brazil	11.6	8.4	24.3	25.0	21.0	34.5	16.5
Canada	3.1	4.5	3.7	5.0	5.3	3.7	4.6
United States	54.6	50.6	40.9	20.7	54.5	56.7	57.1
Europe							
European Union <b>a</b>	3.0	6.2	6.5	7.4	8.6	14.0	13.0
Russian Federation	3.1	0.3	5.8	4.3	7.0	8.7	8.7
Ukraine	11.4	7.9	17.8	15.0	22.8	24.3	21.1
Oceania							
Australia	5.9	5.8	7.4	6.8	8.5	6.6	8.3
<b>Total b</b>	<b>122.8</b>	<b>116.4</b>	<b>146.6</b>	<b>122.9</b>	<b>164.5</b>	<b>185.7</b>	<b>162.9</b>

**a** Regarded as 28 countries, excludes intra-EU trade. **b** Includes some unspecified countries. Zero is used to denote nil or less than 0.5 million tonnes. **na** Not available.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; United Nations Commodity Trade Statistics Database (UN Comtrade); US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 42** Volume of world corn trade, by region and country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Algeria	2.4	2.8	3.0	2.9	3.7	4.4	4.1
China	1.3	1.0	5.2	2.7	3.3	5.5	3.2
European Union <b>a</b>	2.8	7.4	6.1	11.4	16.0	8.6	13.4
Iran	4.3	3.5	4.0	3.7	5.5	6.1	6.6
Japan	16.0	15.6	14.9	14.4	15.1	14.7	15.2
Korea, Rep. of	8.5	8.1	7.6	8.2	10.4	10.2	10.1
Malaysia	3.1	2.8	3.4	3.0	3.5	3.2	4.1
Mexico	8.3	8.3	11.1	5.7	10.9	11.3	13.8
Taiwan	4.5	4.1	4.4	4.2	4.2	3.8	4.5
<b>Total b</b>	90.0	92.7	100.3	99.7	125.1	124.8	138.8
<b>Exports</b>							
Argentina	16.5	16.3	17.1	18.7	17.1	19.0	20.5
Brazil	11.6	8.4	24.3	24.9	21.0	34.5	16.5
China	0.2	0.1	0.1	0.1	0.0	0.0	0.0
European Union <b>a</b>	1.6	1.1	3.3	2.2	2.4	4.0	1.8
India	1.9	3.5	4.6	4.7	3.9	1.1	0.6
Ukraine	5.1	5.0	15.2	12.7	20.0	19.7	16.5
United States	50.3	46.5	39.1	18.5	48.8	47.4	48.2
<b>Total b</b>	96.6	91.3	116.9	95.1	131.2	141.8	120.4

**a** Regarded as 28 countries. Excludes intra-EU trade. **b** Includes some unspecified countries. Zero is used to denote nil or less than 0.5 million tonnes. **na** Not available.

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

**TABLE 43** Volume of world barley trade, by region and country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
China	2.3	1.7	2.5	2.2	4.9	9.9	5.9
Iran	0.9	0.4	1.2	1.6	0.9	2.2	1.7
Japan	1.4	1.4	1.3	1.4	1.3	1.1	1.2
Saudi Arabia	7.3	5.5	8.7	8.5	9.0	8.2	11.0
Tunisia	0.1	0.5	0.2	0.5	0.6	0.5	0.6
<b>Total a</b>	<b>16.8</b>	<b>14.1</b>	<b>20.7</b>	<b>20.1</b>	<b>23.1</b>	<b>29.9</b>	<b>27.7</b>
<b>Exports</b>							
Argentina	0.5	1.6	3.6	3.6	2.9	1.6	2.9
Australia	4.6	5.4	6.1	5.3	7.0	5.9	6.3
Canada	1.3	1.2	1.3	1.4	1.6	1.5	1.2
European Union <b>b</b>	1.1	4.9	3.0	5.0	5.7	9.5	10.8
Russian Federation	2.7	0.3	3.5	2.2	2.7	5.3	4.2
Ukraine	6.2	2.8	2.5	2.1	2.5	4.5	4.4
<b>Total a</b>	<b>17.1</b>	<b>15.9</b>	<b>20.4</b>	<b>19.6</b>	<b>22.9</b>	<b>29.0</b>	<b>30.0</b>

**a** Includes some unspecified countries. **b** Regarded as 28 countries. Excludes intra-EU trade.

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

**TABLE 44** Volume of world sorghum trade, by country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Chile	0.6	0.6	0.6	0.2	0.2	0.1	0.1
European Union <b>a</b>	0.0	0.9	0.1	0.3	0.2	0.1	0.1
Japan	1.6	1.4	1.5	1.9	1.0	0.9	0.6
Mexico	2.5	2.4	1.4	1.8	0.2	0.0	0.6
<b>Total b</b>	<b>6.3</b>	<b>6.7</b>	<b>5.0</b>	<b>6.8</b>	<b>6.6</b>	<b>12.3</b>	<b>11.1</b>
<b>Exports</b>							
Argentina	1.8	1.7	3.1	1.8	1.3	0.9	0.7
Australia	0.5	0.6	1.1	1.3	0.7	1.2	1.1
United States	4.2	3.9	1.6	1.9	5.4	8.9	8.6
<b>Total b</b>	<b>6.6</b>	<b>6.8</b>	<b>6.5</b>	<b>5.6</b>	<b>7.7</b>	<b>12.2</b>	<b>10.8</b>

**a** Regarded as 28 countries. Excludes intra-EU trade. **b** Includes some unspecified countries. **na** Not available.

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



**TABLE 45** US coarse grains supply and disposal <sup>a</sup>

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Area	million ha	36.3	36.5	36.9	39.2	39.8	37.8	37.8
Yield	t/ha	9.6	9.0	8.7	7.3	9.2	10.0	9.7
Production	Mt	348.0	329.7	322.5	285.3	367.1	377.2	367.0
Opening stocks	Mt	47.1	48.1	32.3	27.8	23.5	34.3	46.9
Imports	Mt	2.3	2.4	3.1	6.5	3.3	3.3	4.0
Availability	Mt	397.4	380.3	357.9	319.6	393.9	414.8	417.9
Domestic use	Mt	294.7	297.5	288.9	275.5	305.0	311.3	312.7
– feed	Mt	136.0	127.2	118.6	115.1	132.7	138.6	135.9
– food, seed and industrial	Mt	158.7	170.3	170.2	160.5	172.3	172.7	176.8
Exports	Mt	54.6	50.6	40.9	20.7	54.5	56.7	57.1
Closing stocks	Mt	48.1	32.3	27.8	23.5	34.3	46.9	48.1

<sup>a</sup> Includes barley, corn, millet, mixed grain, oat, rye and grain sorghum. Simple aggregation of crop years for each crop.

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

**TABLE 46** US corn supply and disposal <sup>a</sup>

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Area								
– planted	million ha	35.0	35.7	37.2	39.4	38.6	36.7	35.6
– harvested	million ha	32.2	33.0	33.9	35.4	35.4	33.6	32.7
Yield	t/ha	10.32	9.58	9.21	7.73	9.93	10.73	10.88
Production	Mt	331.9	315.6	312.8	273.2	351.3	361.1	355.5
Opening stocks	Mt	42.5	43.4	28.6	25.1	20.9	31.3	44.0
Imports	Mt	0.2	0.7	0.7	4.1	0.9	0.8	1.7
Availability	Mt	374.6	359.7	342.2	302.4	373.0	393.2	401.2
Domestic use	Mt	280.9	284.4	277.9	266.8	291.6	301.9	298.8
– feed	Mt	129.4	121.2	114.6	109.4	127.0	134.1	130.3
– Alcohol for fuel	Mt	116.6	127.5	127.0	117.9	130.1	132.1	132.2
– Other	Mt	34.8	35.7	36.3	39.5	34.4	35.7	36.3
Exports	Mt	50.3	46.5	39.1	18.5	48.8	47.4	48.2
Closing stocks	Mt	43.4	28.6	25.1	20.9	31.3	44.0	44.1
Farm price	US\$/t	139.76	203.93	244.87	271.25	175.58	145.66	142.12
Loan rate	US\$/t	76.77	76.77	76.77	76.77	76.77	76.77	76.77
Export price <sup>b</sup>	US\$/t	160.4	254.2	280.6	312.1	219.0	174.0	167.6

<sup>a</sup> September–August years. <sup>b</sup> US no. 2 fob Gulf (July–June basis). **fob** free on board. **na** Not available.

Sources: US Department of Agriculture (USDA), *Daily National Grain Market Summary*, Missouri; USDA, *Feed Grains: Yearbook Tables*, Washington DC; USDA, *Production, Supply and Distribution Database*, Washington DC

**TABLE 47** US grain sorghum supply and disposal <sup>a</sup>

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Sorghum</b>								
Area harvested	million ha	2.2	1.9	1.6	2.0	2.7	2.6	3.2
Yield	t/ha	4.4	4.5	3.4	3.1	3.7	4.2	4.8
Production	Mt	9.7	8.8	5.4	6.3	10.0	11.0	15.2
Opening stocks	Mt	1.4	1.0	0.7	0.6	0.4	0.9	0.5
Availability	Mt	11.1	9.8	6.1	7.1	10.4	11.9	15.7
Domestic use	Mt	5.9	5.3	3.9	4.8	4.1	2.5	6.2
Exports	Mt	4.2	3.9	1.6	1.9	5.4	8.9	8.6
Closing stocks	Mt	1.0	0.7	0.6	0.4	0.9	0.5	0.9
Farm price	US\$/t	126.8	197.5	235.9	249.2	168.5	158.8	130.3
Loan rate	US\$/t	76.8	76.8	76.8	76.8	76.8	76.8	76.8
Export price <b>b</b>	US\$/t	165.3	241.0	273.0	286.7	215.4	205.7	192.1

<sup>a</sup> September–August years. <sup>b</sup> US no. 2 sorghum fob Gulf (July–June basis). **fob** free on board.

Sources: US Department of Agriculture (USDA), *Agricultural Outlook*, Washington DC; USDA, *Feed Grains: Yearbook Tables*, Washington DC; USDA, *Production, Supply and Distribution Database*, Washington DC

**TABLE 48** Feedgrains export price quotation, by category <sup>a</sup>

	<b>US no. 2 corn (fob Gulf) US\$/t</b>	<b>US no. 2 sorghum (fob Gulf) US\$/t</b>	<b>France feed barley (fob Rouen) US\$/t</b>	<b>France malting barley (fob Rouen) US\$/t</b>
1989–90	111	103	na	na
1990–91	107	103	na	na
1991–92	110	108	na	na
1992–93	98	94	na	na
1993–94	115	108	na	na
1994–95	105	98	na	na
1995–96	160	152	na	na
1996–97	132	120	na	na
1997–98	112	106	na	na
1998–99	95	90	na	na
1999–2000	90	84	na	na
2000–01	87	90	110	na
2001–02	90	93	101	126
2002–03	107	110	106	162
2003–04	115	127	153	166
2004–05	97	95	129	159
2005–06	104	109	133	161
2006–07	151	157	184	262
2007–08	201	207	318	443
2008–09	190	170	179	229
2009–10	160	165	146	167
2010–11	254	241	265	323
2011–12	281	273	270	356
2012–13	312	287	296	311
2013–14	219	215	242	273
2014–15	174	206	204	239
2015–16	168	192	173	212

<sup>a</sup> July–June years. **fob** free on board. **na** Not available.

Sources: US Department of Agriculture, Daily National Grains Market Summary, Missouri to 2013-14; International Grains Council, *Market Report*, London from 2014-15

**TABLE 49** Coarse grains supply and disposal in major exporting countries

	<b>Area harvested</b> million ha	<b>Yield</b> t/ha	<b>Production</b> Mt	<b>Domestic use</b> Mt	<b>Exports</b> Mt	<b>Closing stocks</b> Mt
<b>United States</b>						
2008–09	37.0	8.78	324.7	274.8	50.9	47.1
2009–10	36.3	9.59	348.0	294.7	54.6	48.1
2010–11	36.5	9.03	329.7	297.5	50.6	32.3
2011–12	36.9	8.74	322.5	288.9	40.9	27.8
2012–13	39.2	7.28	285.3	275.5	20.7	23.5
2013–14	39.8	9.22	367.1	305.0	54.5	34.3
2014–15	37.8	9.99	377.2	311.3	56.7	46.9
2015–16	37.8	9.71	367.0	312.7	57.1	48.1
<b>Canada</b>						
2008–09	6.3	4.30	27.3	22.9	3.9	6.4
2009–10	5.3	4.31	22.8	22.7	3.1	5.5
2010–11	4.7	4.80	22.7	21.2	4.5	3.5
2011–12	4.9	4.63	22.9	20.3	3.7	3.4
2012–13	5.3	4.57	24.4	20.3	5.0	3.0
2013–14	5.4	5.33	28.7	22.4	5.3	4.6
2014–15	4.4	4.96	22.0	21.3	3.7	3.2
2015–16	na	na	25.7	na	4.6	na
<b>Argentina</b>						
2008–09	3.9	5.09	19.6	8.8	12.5	1.6
2009–10	4.4	6.80	30.2	10.1	18.8	3.0
2010–11	5.8	5.72	33.3	11.0	19.7	5.6
2011–12	6.0	5.00	30.1	10.5	23.9	1.3
2012–13	6.8	5.45	37.2	12.1	24.1	2.5
2013–14	5.9	6.01	35.7	13.7	21.3	3.2
2014–15	5.5	6.53	35.7	14.2	21.4	3.2
2015–16	5.8	6.56	37.9	14.4	24.1	2.6
<b>Australia</b>						
2008–09	7.0	1.79	12.6	8.6	5.1	na
2009–10	6.2	1.85	11.4	6.8	5.9	na
2010–11	5.4	2.18	11.8	5.5	5.8	na
2011–12	5.3	2.34	12.5	4.7	7.4	na
2012–13	5.2	2.21	11.5	4.6	6.8	na
2013–14	5.2	2.35	12.2	4.8	8.5	na
2014–15	5.8	2.19	12.7	5.0	6.6	na
2015–16	na	na	na	na	8.3	na

Continued

**TABLE 49** Coarse grains supply and disposal in major exporting countries *continued*

	Area harvested million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports Mt	Closing stocks Mt
<b>Russian Federation</b>						
2008–09	17.2	2.37	40.9	33.0	4.8	4.9
2009–10	14.2	2.24	31.8	30.4	3.1	3.2
2010–11	9.8	1.68	16.4	18.1	0.3	1.9
2011–12	14.4	2.30	33.1	27.7	5.8	1.8
2012–13	14.2	2.02	28.7	25.1	4.3	1.4
2013–14	15.5	2.31	35.7	28.6	7.0	1.8
2014–15	16.7	2.41	40.4	31.1	8.7	2.4
2015–16	15.2	2.46	37.4	29.8	8.7	1.4
<b>Ukraine</b>						
2008–09	7.8	3.41	26.5	13.8	12.0	2.4
2009–10	8.1	2.99	24.2	13.0	11.4	2.2
2010–11	7.7	2.80	21.5	13.8	7.9	2.1
2011–12	8.0	4.18	33.5	15.6	17.8	2.4
2012–13	8.6	3.45	29.5	14.7	15.0	2.3
2013–14	8.8	4.56	40.0	16.0	22.8	3.6
2014–15	8.4	4.67	39.4	15.4	24.3	3.3
2015–16	7.6	4.38	33.4	13.9	21.1	1.8
<b>Brazil</b>						
2008–09	15.1	3.53	53.4	48.4	7.1	10.5
2009–10	13.8	4.20	58.2	51.0	11.6	6.8
2010–11	14.9	4.06	60.4	53.0	8.4	6.8
2011–12	16.2	4.68	75.9	54.7	24.3	4.8
2012–13	16.9	4.99	84.3	55.8	25.0	9.6
2013–14	16.8	4.91	82.6	58.0	21.0	14.3
2014–15	16.8	5.23	87.7	60.0	34.5	8.2
2015–16	17.0	4.07	69.1	58.0	16.5	5.6
<b>European Union <sup>a</sup></b>						
2008–09	34.1	4.84	165.2	154.5	5.7	21.3
2009–10	33.0	4.79	158.0	152.8	3.0	26.3
2010–11	30.2	4.74	143.2	155.0	6.2	16.9
2011–12	30.2	4.96	150.1	151.7	6.5	15.7
2012–13	31.4	4.65	146.2	153.3	7.4	13.1
2013–14	31.5	5.06	159.2	164.4	8.6	15.6
2014–15	30.8	5.55	170.9	162.6	14.0	18.8
2015–16	30.3	5.00	151.8	157.0	13.0	14.6

<sup>a</sup> Regarded as 28 countries. Excludes intra-EU trade. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 50** Australian cotton area harvested and lint yield <sup>a</sup>

	Area harvested			Lint yield		
	New		Australia b	New		Australia b
	South Wales	Queensland		South Wales	Queensland	
'000 ha	'000 ha	'000 ha	t/ha	t/ha	t/ha	
1972–73	31.7	8.0	43.6	0.662	1.375	0.734
1973–74	31.0	7.1	41.7	0.645	1.408	0.719
1974–75	27.5	7.4	38.5	0.800	1.486	0.856
1975–76	23.9	6.0	29.8	0.711	1.333	0.838
1976–77	24.8	8.9	35.3	0.766	1.011	0.794
1977–78	31.6	9.6	41.6	0.918	1.563	1.058
1978–79	36.1	13.4	49.8	0.997	1.269	1.063
1979–80	51.4	20.0	75.0	1.089	1.350	1.106
1980–81	61.6	22.0	83.6	1.071	1.500	1.184
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
1999–2000	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
2010–11	347.7	242.5	590.2	1.689	1.396	1.569
2011–12	358.1	241.1	600.0	2.103	1.950	2.041
2012–13	284.0	159.0	443.0	2.363	2.176	2.296
2013–14	256.0	136.0	392.0	2.295	2.188	2.258
2014–15	124.0	73.0	197.0	2.693	2.655	2.679
2015–16	163.0	107.0	270.0	2.412	2.177	2.319

<sup>a</sup> August–July crop years. <sup>b</sup> Includes data for Western Australia.

Sources: ABARES; Australian Bureau of Statistics (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 and Water Resources, Canberra; Cotton Australia, *Australian cotton industry statistics - Cotton Annual*, Sydney

**TABLE 51** Australian cottonseed and lint production <sup>a</sup>

	Cottonseed production			Lint production		
	New			New		
	South Wales	Queensland	Australia b	South Wales	Queensland	Australia b
	kt	kt	kt	kt	kt	kt
1972–73	36.4	10.7	50.7	21.0	11.0	32.0
1973–74	35.7	10.8	49.8	20.0	10.0	30.0
1974–75	44.1	9.7	53.8	22.0	11.0	33.0
1975–76	33.2	7.4	40.6	17.0	8.0	25.0
1976–77	34.9	11.7	46.6	19.0	9.0	28.0
1977–78	56.9	15.2	72.1	29.0	15.0	44.0
1978–79	56.8	21.7	78.5	36.0	17.0	53.0
1979–80	104.3	31.5	135.8	56.0	27.0	83.0
1980–81	125.8	35.6	161.4	66.0	33.0	99.0
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
1999–2000	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	361.9	185.1	547.0	255.9	130.9	386.8
2010–11	805.2	464.2	1 269.4	587.2	338.5	925.7
2011–12	1 065.0	664.9	1 732.0	753.1	470.2	1 224.6
2012–13	949.0	490.0	1 439.0	671.0	346.0	1 017.0
2013–14	830.9	420.7	1 251.6	587.6	297.5	885.1
2014–15	472.3	274.1	746.3	334.0	193.8	527.8
2015–16	556.0	329.5	885.5	393.2	233.0	626.2

<sup>a</sup> August–July crop year. <sup>b</sup> Includes data for Western Australia.

Sources: ABARES; Australian Bureau of Statistics (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 and Water Resources, Canberra; Cotton Australia, *Australian cotton industry statistics - Cotton Annual*, Sydney

**TABLE 52** Australian production, trade and use of raw cotton

	Domestic	Gross	Imports		Exports	
	lint production a	value of production b	Volume	Value	Volume	Value
	kt	\$m	kt	\$m	kt	\$m
1972-73	32.0	32.6	3.8	2.7	22.3	11.3
1973-74	30.0	26.6	8.4	9.3	3.2	1.8
1974-75	33.0	29.3	4.0	4.8	7.7	5.4
1975-76	25.0	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	44.0	61.2	4.0	5.6	9.8	10.9
1978-79	53.0	71.4	1.7	3.1	23.6	28.5
1979-80	83.0	135.3	2.0	4.0	48.5	66.9
1980-81	99.0	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	268.8	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	372.5	0.3	0.6	251.0	345.0
1987-88	269.0	425.1	0.3	0.9	176.0	353.0
1988-89	293.0	565.8	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	409.3	706.3	0.3	1.3	396.0	755.5
1993-94	367.5	652.2	0.3	1.4	360.5	732.0
1994-95	375.0	851.2	0.2	1.2	296.8	678.7
1995-96	421.2	1 002.8	0.7	2.0	311.4	762.3
1996-97	610.1	1 342.4	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
1999-2000	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	828.4	0.1	0.2	395.4	754.6
2010-11	925.7	2 087.1	0.4	1.1	504.5	1 366.8
2011-12	1 224.6	2 954.3	0.1	0.2	994.0	2 736.0
2012-13	1 017.0	2 173.6	0.2	0.3	1 304.9	2 694.8
2013-14	885.1	2 002.0	0.3	0.5	1 036.5	2 355.4
2014-15	527.8	1 199.9	0.2	0.3	681.2	1 546.1
2015-16	626.2	1 412.7	0.2	0.4	535.8	1 263.6

a August-July crop year. b Includes cottonseed.

Sources: ABARES; Australian Bureau of Statistics (ABS), *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; Cotton Australia, *Australian cotton industry statistics - Cotton Annual*, Sydney; Raw Cotton Marketing Advisory Committee, *Annual Report*, Canberra



**TABLE 53** Volume of Australian exports of raw cotton, by destination

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt	kt
Asia	259.6	394.5	498.3	986.3	1 300.0	1 035.5	677.4	524.8
China	89.7	139.8	219.0	685.6	882.7	664.0	370.3	268.4
India	3.0	3.5	2.6	2.7	17.9	10.0	23.5	25.7
Indonesia	80.6	82.7	87.6	95.7	109.7	75.1	60.2	56.6
Japan	20.3	17.8	18.1	18.6	14.4	15.4	12.7	12.4
Korea, Rep. of	11.8	33.7	19.0	38.1	56.2	60.2	35.4	10.5
Pakistan	0.1	4.3	14.2	1.8	30.6	18.5	4.9	6.4
Philippines	0.4	0.0	1.1	1.4	2.7	2.0	2.1	0.2
Taiwan	1.1	5.3	6.5	6.6	2.3	4.9	1.8	1.3
Thailand	44.6	75.1	75.3	70.0	89.6	72.9	44.8	34.1
Other	8.0	32.2	54.9	65.9	94.0	112.5	121.6	109.2
Europe	0.1	0.3	0.8	1.0	4.1	0.8	0.5	0.2
Germany	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
Italy	0.1	0.3	0.8	0.7	2.3	0.8	0.5	0.2
Spain	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.2	1.6	0.0	0.0	0.0
United States	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other countries	0.0	0.6	5.5	6.7	0.9	0.2	3.3	10.8
<b>Total</b>	<b>259.7</b>	<b>395.4</b>	<b>504.5</b>	<b>994.0</b>	<b>1 304.9</b>	<b>1 036.5</b>	<b>681.2</b>	<b>535.8</b>

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

TABLE 54 Cotton prices and unit values

	Cotlook 'A' index a	Australian base price for raw cotton b	Australian gin-gate return c	Average unit export return for raw cotton
	USc/lb	Ac/kg	A\$/bale	Ac/kg
1972-73	42.0	72.0	231.2	50.7
1973-74	76.5	120.0	201.4	56.3
1974-75	52.5	90.0	201.2	70.1
1975-76	65.3	117.0	340.4	71.9
1976-77	81.9	166.0	322.1	129.1
1977-78	65.1	135.0	315.2	111.2
1978-79	76.1	156.0	305.4	120.8
1979-80	85.4	179.0	369.7	137.9
1980-81	94.2	188.2	337.2	155.9
1981-82	73.8	157.0	306.7	148.1
1982-83	76.7	191.1	376.9	153.5
1983-84	87.7	224.7	431.4	180.5
1984-85	69.2	209.8	301.1	187.1
1985-86	49.0	168.8	275.6	157.7
1986-87	62.1	221.7	381.3	137.5
1987-88	72.3	233.1	358.4	200.6
1988-89	66.4	192.1	437.9	161.0
1989-90	82.4	249.9	475.0	189.5
1990-91	82.9	246.4	455.6	217.1
1991-92	63.1	194.4	359.5	206.3
1992-93	57.7	195.8	391.4	190.8
1993-94	70.6	240.3	402.4	203.0
1994-95	91.1	285.0	514.8	228.7
1995-96	85.5	262.7	540.0	244.8
1996-97	78.6	235.0	499.0	213.2
1997-98	72.2	248.6	493.8	233.5
1998-99	60.2	227.4	442.0	241.1
1999-2000	52.5	198.9	480.3	200.1
2000-01	57.2	251.5	521.2	234.7
2001-02	41.8	193.8	483.6	215.4
2002-03	55.4	225.5	494.5	193.4
2003-04	68.3	225.9	447.6	214.0
2004-05	52.4	167.3	429.6	187.9
2005-06	56.0	177.8	378.0	174.9
2006-07	58.1	176.9	407.5	169.2
2007-08	72.9	190.8	433.2	174.8
2008-09	61.2	193.3	477.7	192.6
2009-10	77.5	205.1	485.7	190.8
2010-11	164.3	377.4	511.3	270.9
2011-12	100.1	225.1	547.1	275.3
2012-13	87.9	199.5	484.7	206.5
2013-14	90.6	228.6	513.0	227.2
2014-15	70.8	198.5	515.6	227.0
2015-16	70.4	226.1	511.7	235.8

a Cotlook '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. 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. c Value of lint and cottonseed less ginning costs.

Sources: ABARES; Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources, Canberra; Cotlook Limited, *Cotton Outlook*, United Kingdom

**TABLE 55** 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
1972-73	4 888	13 471	24 319	12 954	5 961	42.0
1973-74	5 331	13 604	24 758	13 122	5 823	76.5
1974-75	5 913	13 896	24 996	12 419	5 187	52.5
1975-76	7 262	11 753	24 738	13 412	5 723	65.3
1976-77	5 639	12 308	23 375	13 115	5 428	81.9
1977-78	4 873	13 915	24 692	13 286	5 905	65.1
1978-79	5 582	12 955	24 443	13 767	5 907	76.1
1979-80	4 759	14 250	25 650	14 349	6 642	85.4
1980-81	4 623	13 800	24 357	14 157	5 934	94.2
1981-82	4 487	14 989	25 072	13 784	5 596	73.8
1982-83	5 625	14 443	25 744	14 580	5 677	76.7
1983-84	5 542	14 431	25 865	14 953	5 892	87.7
1984-85	5 287	19 315	30 618	15 418	6 016	69.2
1985-86	9 172	17 450	32 932	16 401	6 310	49.0
1986-87	10 361	15 320	32 887	17 874	7 206	62.1
1987-88	7 711	17 734	32 093	18 321	6 647	72.3
1988-89	7 100	18 338	32 750	18 558	7 312	66.4
1989-90	6 760	17 359	31 240	18 921	7 121	82.4
1990-91	5 437	18 980	31 075	18 621	6 658	82.9
1991-92	5 976	20 736	33 031	18 766	6 319	63.1
1992-93	8 046	17 922	31 858	18 797	5 891	57.7
1993-94	7 508	16 914	30 508	18 626	6 086	70.6
1994-95	6 053	18 791	31 439	18 423	6 595	91.1
1995-96	6 965	20 447	33 291	18 711	5 878	85.5
1996-97	8 732	19 608	34 562	19 146	6 222	78.6
1997-98	9 718	20 112	35 475	19 000	5 646	72.2
1998-99	10 770	18 742	34 842	18 454	5 330	60.2
1999-2000	11 507	19 145	36 744	19 831	6 092	52.5
2000-01	11 134	19 401	36 246	19 774	5 711	57.2
2001-02	10 783	21 454	38 618	20 566	6 380	41.8
2002-03	11 884	19 819	38 275	21 427	6 572	55.4
2003-04	10 390	21 058	38 875	21 365	7 427	68.3
2004-05	10 498	26 456	44 344	23 762	7 390	52.4
2005-06	13 160	25 336	48 228	25 482	9 732	56.0
2006-07	13 545	26 786	48 672	27 045	8 341	58.1
2007-08	13 729	26 253	48 575	26 974	8 593	72.9
2008-09	13 565	23 581	43 814	24 052	6 668	61.2
2009-10	13 520	22 506	44 064	26 090	8 038	77.5
2010-11	10 281	25 613	43 798	25 208	7 904	164.3
2011-12	10 979	27 793	48 671	22 648	9 899	100.1
2012-13	16 008	26 978	53 364	23 423	10 378	87.9
2013-14	19 557	26 209	54 745	23 746	8 979	90.6
2014-15	22 477	25 952	56 206	24 196	7 777	70.8
2015-16	24 474	21 013	53 169	24 234	7 682	70.4

a August-July crop year. b Includes trade among the 12 republics of the former Soviet Union and Estonia, Latvia and Lithuania.

c Cotlook '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.

Sources: ABARES; US Department of Agriculture (USDA), *Cotton: World Markets and Trade, Foreign Agriculture Service Circular*, Washington DC; USDA, *Production, Supply and Distribution Database*, Washington DC; Cotlook Limited, *Cotton Outlook*, United Kingdom

TABLE 56 World area, yield and production of raw cotton <sup>a</sup>

	Area		Production					World
	harvested '000 ha	Lint yield kg/ha	India kt	China kt	United States kt	Pakistan kt	Brazil kt	
1972-73	33 540	402	1 125	1 960	2 984	675	651	13 471
1973-74	32 845	414	1 080	2 548	2 825	633	535	13 604
1974-75	33 507	415	1 199	2 460	2 513	610	533	13 896
1975-76	29 870	393	1 131	2 373	1 808	494	400	11 753
1976-77	30 533	403	1 012	2 069	2 304	418	590	12 308
1977-78	33 576	414	1 229	2 047	3 133	553	489	13 915
1978-79	32 814	395	1 348	2 167	2 364	464	544	12 955
1979-80	32 219	442	1 364	2 199	3 185	744	572	14 250
1980-81	32 369	426	1 322	2 700	2 422	714	594	13 800
1981-82	32 938	455	1 428	2 961	3 407	748	680	14 989
1982-83	31 394	460	1 471	3 593	2 605	824	586	14 443
1983-84	30 920	467	1 333	4 638	1 692	494	674	14 431
1984-85	33 741	572	1 820	6 249	2 827	1 008	968	19 315
1985-86	31 581	553	1 964	4 137	2 925	1 217	793	17 450
1986-87	29 347	522	1 580	3 549	2 119	1 320	633	15 320
1987-88	30 871	574	1 555	4 246	3 214	1 468	864	17 734
1988-89	33 831	542	1 789	4 159	3 356	1 426	709	18 338
1989-90	31 696	548	2 295	3 789	2 656	1 456	666	17 359
1990-91	33 153	572	1 989	4 507	3 376	1 638	717	18 980
1991-92	34 758	597	2 023	5 683	3 835	2 177	667	20 736
1992-93	32 643	549	2 346	4 507	3 531	1 540	420	17 922
1993-94	30 718	551	2 134	3 745	3 513	1 368	483	16 914
1994-95	32 250	583	2 427	4 333	4 281	1 361	537	18 791
1995-96	35 920	569	2 885	4 769	3 898	1 801	410	20 447
1996-97	33 740	581	3 031	4 202	4 124	1 594	306	19 608
1997-98	33 797	595	2 686	4 594	4 092	1 562	412	20 112
1998-99	32 885	570	2 805	4 507	3 031	1 494	521	18 742
1999-2000	32 350	592	2 652	3 832	3 695	1 911	700	19 145
2000-01	32 010	606	2 380	4 420	3 743	1 824	939	19 401
2001-02	33 718	636	2 678	5 313	4 421	1 804	766	21 454
2002-03	30 775	644	2 308	5 487	3 747	1 736	847	19 819
2003-04	32 340	651	3 048	5 182	3 975	1 708	1 310	21 058
2004-05	35 695	741	4 137	6 598	5 063	2 425	1 285	26 456
2005-06	34 770	729	4 148	6 184	5 202	2 145	1 023	25 336
2006-07	34 602	774	4 899	7 730	4 701	2 086	1 524	26 786
2007-08	32 895	798	5 378	8 056	4 182	1 862	1 603	26 253
2008-09	30 634	770	5 073	7 991	2 793	1 860	1 193	23 581
2009-10	30 233	744	5 335	6 968	2 653	2 012	1 187	22 506
2010-11	33 713	760	5 923	6 641	3 942	1 881	1 960	25 613
2011-12	36 100	770	6 315	7 403	3 391	2 308	1 894	27 793
2012-13	34 407	784	6 206	7 621	3 770	2 025	1 306	26 978
2013-14	32 726	801	6 750	7 131	2 811	2 069	1 742	26 209
2014-15	34 209	759	6 423	6 532	3 553	2 308	1 524	25 952
2015-16	30 563	688	5 748	4 790	2 806	1 524	1 285	21 013

<sup>a</sup> August-July crop year.

Sources: ABARES; US Department of Agriculture (USDA), *Cotton: World Markets and Trade, Foreign Agriculture Service Circular*, Washington DC; USDA, *Production, Supply and Distribution Database*, Washington DC

**TABLE 57** Volume of world exports of raw cotton, by country <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt	kt
Africa	797	933	848	1 023	1 318	1 227	1 185	1 303
Sub-Saharan Africa	773	855	753	934	1 255	1 188	1 142	1 271
Burkina	174	169	147	142	261	278	229	283
Mali	71	96	98	136	174	196	185	218
Americas	3 551	3 097	3 693	3 782	3 900	2 865	3 429	3 018
United States	2 887	2 621	3 130	2 551	2 836	2 293	2 449	1 993
South America	624	455	511	1 155	1 013	535	942	995
Brazil	596	433	435	1 043	938	486	851	939
Australia	262	460	544	1 010	1 343	1 056	523	621
Greece	207	185	163	240	240	280	254	209
Uzbekistan	653	827	577	544	697	588	533	544
Other	1 117	2 264	1 757	3 410	2 608	2 910	1 765	1 955
Total	6 587	7 766	7 582	10 009	10 106	8 926	7 689	7 650

<sup>a</sup> August–July crop year. Includes small quantities re-exported.

Sources: ABARES; US Department of Agriculture (USDA), *Cotton: World Markets and Trade, Foreign Agriculture Service Circular*, Washington DC; USDA, *Production, Supply and Distribution Database*, Washington DC

**TABLE 58** Volume of world imports of raw cotton, by destination <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt	kt
Asia	4 739	5 760	5 804	8 406	8 590	7 026	6 077	5 799
Bangladesh	827	871	925	740	1 089	1 154	1 176	1 350
China	1 523	2 374	2 608	5 342	4 426	3 075	1 804	959
Indonesia	523	588	544	544	683	651	728	653
Korea	215	220	226	255	286	280	288	256
Pakistan	417	343	314	196	392	261	207	719
Taiwan	171	221	175	188	205	187	190	154
Thailand	349	393	381	275	329	337	321	278
Other Asia	714	750	631	866	1 180	1 081	1 363	1 430
European Union <sup>b</sup>	221	214	242	187	201	190	187	176
Mexico	286	303	260	218	207	226	181	212
Middle East	723	1 031	784	601	893	1 006	867	992
Turkey <sup>c</sup>	636	957	729	519	804	925	800	918
Russian Federation	196	184	113	106	89	83	71	63
Other	503	546	701	381	398	448	394	440
Total	6 668	8 038	7 904	9 899	10 378	8 979	7 777	7 682

<sup>a</sup> August–July crop year. Does not include cotton in transit. <sup>b</sup> Regarded as 28 countries. <sup>c</sup> Middle East includes Turkey.

Sources: ABARES; US Department of Agriculture (USDA), *Cotton: World Markets and Trade, Foreign Agriculture Service Circular*, Washington DC; USDA, *Production, Supply and Distribution Database*, Washington DC

TABLE 59 Summary of Australian statistics for dairy products

	Dairy cow numbers a	Milk	Production			Export price fob	
		yield	Milk b	Butter	Cheese	Butter	Cheese
		per cow	ML	kt	kt	\$/t	\$/t
	'000	L	ML	kt	kt	\$/t	\$/t
1972-73	2 647	2 626	6 952	185	93	784	733
1973-74	2 492	2 711	6 756	175	96	695	761
1974-75	2 477	2 623	6 497	161	99	955	1 012
1975-76	2 467	2 533	6 248	148	113	836	1 117
1976-77	2 279	2 533	5 772	118	104	1 124	1 070
1977-78	2 056	2 734	5 621	112	116	1 280	1 259
1978-79	1 921	2 951	5 669	105	142	1 249	1 337
1979-80	1 869	2 905	5 430	84	151	1 595	1 545
1980-81	1 819	2 882	5 243	79	135	1 875	1 926
1981-82	1 810	2 910	5 268	76	153	2 714	2 158
1982-83	1 792	3 083	5 524	88	158	2 412	2 444
1983-84	1 809	3 274	5 923	111	161	1 871	2 611
1984-85	1 809	3 338	6 038	114	160	1 617	2 433
1985-86	1 770	3 411	6 038	105	170	1 592	2 515
1986-87	1 757	3 513	6 172	104	177	1 758	2 645
1987-88	1 714	3 575	6 129	98	176	1 634	2 735
1988-89	1 709	3 679	6 289	101	191	1 970	2 993
1989-90	1 698	3 688	6 262	104	175	2 420	3 462
1990-91	1 682	3 807	6 403	106	179	1 968	3 204
1991-92	1 699	3 963	6 732	114	198	2 177	3 318
1992-93	1 716	4 268	7 325	133	211	2 241	3 695
1993-94	1 786	4 523	8 079	149	233	2 197	3 753
1994-95	1 821	4 506	8 206	141	237	2 076	3 452
1995-96	1 884	4 627	8 718	154	268	2 993	3 882
1996-97	1 977	4 571	9 036	158	285	2 001	3 705
1997-98	2 060	4 582	9 439	163	310	2 264	3 956
1998-99	2 155	4 723	10 178	189	328	2 510	3 969
1999-2000	2 171	4 996	10 847	182	373	2 124	3 671
2000-01	2 176	4 847	10 547	172	376	2 419	4 343
2001-02	2 123	5 309	11 271	178	412	2 417	4 738
2002-03	2 050	5 038	10 328	164	379	2 014	3 846
2003-04	2 038	4 944	10 076	149	384	2 187	3 486
2004-05	1 942	5 215	10 127	147	388	2 713	3 851
2005-06	1 880	5 367	10 089	146	373	2 723	4 146
2006-07	1 796	5 336	9 583	133	364	2 212	3 877
2007-08	1 640	5 624	9 223	128	361	3 391	4 764
2008-09	1 676	5 602	9 388	148	343	3 297	5 439
2009-10	1 596	5 692	9 084	128	350	2 865	4 250
2010-11	1 589	5 777	9 180	122	339	4 496	4 477
2011-12	1 700	5 631	9 574	120	347	4 142	4 656
2012-13	1 688	5 518	9 317	118	338	3 350	4 503
2013-14	1 647	5 692	9 372	116	311	4 925	5 080
2014-15	1 689	5 761	9 732	119	344	4 542	5 185
2015-16	1 663	5 736	9 539	118	344	4 629	4 998

a Cows in milk and dry at 31 March on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 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 \$2 500 or more. b Before 1980-81, milk production included an estimate of on-farm use. fob free on board. Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; Dairy Australia, Web statistics, Melbourne

**TABLE 60** Value of Australian exports of dairy products, by destination

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Cheese</b>								
China	\$m	22.8	30.2	36.7	44.0	74.0	72.3	85.0
Hong Kong	\$m	22.1	23.8	25.1	23.4	21.6	18.4	19.2
Japan	\$m	357.6	355.8	422.7	414.8	343.2	407.4	409.8
Korea, Rep. of	\$m	28.0	36.8	31.0	29.8	26.1	32.0	39.2
Malaysia	\$m	21.9	27.0	29.3	32.9	43.9	43.6	46.0
New Zealand	\$m	19.2	20.4	15.4	15.8	15.0	16.5	21.1
Philippines	\$m	16.2	16.9	12.0	14.4	14.6	21.0	29.1
Singapore	\$m	20.7	26.1	29.2	34.4	32.9	33.0	33.5
Taiwan	\$m	20.6	22.6	15.7	19.8	16.3	18.1	19.6
United States	\$m	19.7	12.3	3.4	11.1	8.5	26.7	32.1
Other	\$m	166.4	158.9	130.1	143.9	169.2	133.9	124.7
Total	\$m	715.3	730.8	750.7	784.3	765.3	822.9	859.3
<b>Butter and butterfat a</b>								
China	\$m	5.4	3.7	7.2	5.9	7.5	11.4	11.1
Hong Kong	\$m	10.3	11.8	11.7	7.1	12.6	14.1	11.6
Korea, Rep. of	\$m	13.3	16.3	9.2	6.9	6.3	9.6	14.3
Malaysia	\$m	17.6	18.5	17.6	7.8	15.0	17.2	17.8
Russia Federation	\$m	3.4	25.5	10.6	22.0	95.3	0.1	0.0
Singapore	\$m	21.3	27.9	22.4	17.6	30.4	28.5	18.7
Thailand	\$m	9.2	14.5	15.0	8.0	16.8	13.2	13.9
Other	\$m	130.7	133.3	107.5	104.4	58.9	103.8	68.2
Total	\$m	211.1	251.6	201.3	179.7	242.8	197.8	155.7
<b>Skim milk powder</b>								
China	\$m	21.6	37.1	49.6	35.5	108.0	58.6	70.3
Indonesia	\$m	49.4	80.1	71.6	68.1	126.3	164.2	120.1
Kuwait	\$m	7.5	15.7	17.2	21.9	61.5	30.7	31.8
Malaysia	\$m	21.7	26.8	35.1	41.6	55.3	57.4	47.9
Philippines	\$m	49.5	31.2	33.8	33.4	38.8	48.5	29.5
Singapore	\$m	48.8	51.6	60.3	58.2	63.3	55.1	36.1
Thailand	\$m	27.5	37.9	33.6	38.6	49.9	40.6	28.7
Vietnam	\$m	6.8	6.0	3.2	13.2	15.2	37.1	34.8
Other	\$m	119.1	217.2	169.6	156.6	189.4	189.8	116.9
Total	\$m	351.9	503.7	474.1	467.1	707.7	682.0	516.0
<b>Whole milk powder</b>								
Bangladesh	\$m	19.5	23.0	16.5	15.6	47.7	32.1	18.3
China	\$m	37.9	51.6	11.2	55.7	159.4	19.9	82.4
Hong Kong	\$m	3.6	4.5	6.3	10.1	10.5	8.6	14.0
Oman	\$m	5.1	31.2	60.3	2.9	3.5	13.9	10.9
Singapore	\$m	53.6	58.4	62.7	45.5	85.7	53.8	27.5
Sri Lanka	\$m	34.8	40.6	42.6	37.9	72.3	51.4	39.0
Taiwan	\$m	7.2	13.6	12.0	15.0	14.9	15.0	11.2
Other	\$m	134.5	179.7	167.0	129.1	138.4	99.4	53.5
Total	\$m	296.3	402.5	378.5	311.8	532.4	294.2	256.9
<b>Other products</b>								
Casein	\$m	87.8	52.7	48.3	46.2	42.3	10.5	10.4
Fresh milk	\$m	91.3	96.4	113.5	128.3	150.0	202.5	239.8
Other fresh products	\$m	44.5	47.0	50.5	46.9	43.3	47.1	51.8
Condensed milk	\$m	123.6	108.2	129.0	120.4	133.9	138.7	133.2
Other powders	\$m	413.6	484.9	547.8	609.1	558.7	471.0	773.6
Other dairy products <b>nei</b>	\$m	62.3	67.8	35.7	8.8	10.7	11.3	13.1
Total	\$m	823.2	857.0	924.9	959.7	938.9	881.0	1 221.8

a Includes ghee, dry butterfat, butter concentrate and butter oil, all expressed as butter. **nei** Not elsewhere identified.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 61** Volume of Australian exports of dairy products, by destination

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Cheese</b>								
China	kt	5.7	5.5	7.4	10.4	15.8	14.8	17.9
Hong Kong	kt	5.2	4.2	4.1	4.1	3.7	3.1	3.4
Japan	kt	89.8	84.5	95.6	103.9	73.6	85.8	90.6
Korea, Rep. of	kt	7.2	8.8	7.3	7.0	4.8	5.9	7.9
Malaysia	kt	4.5	7.1	6.8	5.8	7.9	7.5	7.8
New Zealand	kt	3.4	3.1	2.2	2.4	2.3	2.4	3.1
Philippines	kt	4.1	3.8	2.4	3.0	2.7	3.6	4.9
Singapore	kt	4.1	5.8	5.8	4.9	5.4	5.4	5.4
Taiwan	kt	5.2	5.3	3.8	4.0	3.1	3.6	3.9
United States	kt	4.1	2.3	0.7	2.8	1.9	4.7	6.2
Other	kt	35.0	32.8	25.3	25.9	29.5	21.7	20.8
Total	kt	168.3	163.2	161.2	174.1	150.6	158.7	171.9
<b>Butter and butterfat <sup>a</sup></b>								
China	kt	1.7	0.7	1.8	1.8	1.4	2.2	2.2
Hong Kong	kt	2.9	2.5	2.7	1.9	2.5	2.7	2.2
Korea, Rep. of	kt	5.3	3.8	3.8	2.1	2.9	3.8	3.7
Malaysia	kt	3.9	2.9	1.9	1.6	1.2	1.7	2.3
Russia Federation	kt	0.8	6.0	3.1	7.2	19.1	0.0	0.0
Singapore	kt	6.0	5.7	4.5	4.5	5.9	5.4	3.6
Thailand	kt	3.6	3.3	4.3	2.8	3.7	3.3	3.5
Other	kt	49.3	31.0	26.5	31.9	12.5	24.4	16.2
Total	kt	73.7	56.0	48.6	53.7	49.3	43.6	33.6
<b>Skim milk powder</b>								
China	kt	6.8	11.7	14.8	9.4	21.3	16.6	18.4
Indonesia	kt	16.4	24.7	20.8	21.6	25.6	39.7	40.8
Kuwait	kt	3.1	5.5	5.2	6.9	12.5	7.1	11.0
Malaysia	kt	8.3	8.3	10.8	13.4	11.4	17.6	19.2
Philippines	kt	18.9	9.8	10.3	10.9	8.3	14.0	10.3
Singapore	kt	17.2	15.7	18.8	18.4	12.6	15.4	14.4
Thailand	kt	9.9	11.5	9.6	12.1	10.2	11.3	10.5
Vietnam	kt	2.4	1.8	0.9	4.2	3.2	11.0	15.1
Other	kt	42.6	66.4	50.0	49.8	38.2	53.8	41.7
Total	kt	125.6	155.3	141.3	146.7	143.2	186.5	181.4
<b>Whole milk powder</b>								
Bangladesh	kt	6.2	6.6	4.7	4.9	8.8	8.4	6.1
China	kt	10.7	13.7	2.3	12.1	26.6	2.8	9.8
Hong Kong	kt	1.2	1.0	1.1	1.4	1.4	1.0	1.6
Oman	kt	1.7	8.5	17.5	1.0	0.7	4.3	3.6
Singapore	kt	16.8	15.5	17.3	14.1	16.1	13.5	8.1
Sri Lanka	kt	9.7	11.2	11.1	11.5	13.5	12.1	12.8
Taiwan	kt	2.3	3.7	2.4	3.1	2.1	1.9	1.4
Other	kt	42.5	48.1	45.9	38.8	25.2	25.4	13.8
Total	kt	91.2	108.4	102.4	87.0	94.4	69.3	57.0
<b>Other products</b>								
Casein	kt	9.6	4.7	4.2	4.2	2.9	0.2	0.4
Fresh milk	kt	71.9	77.2	91.4	106.3	118.4	156.5	182.9
Other fresh products	kt	9.8	11.6	12.4	10.8	9.8	10.6	11.4
Condensed milk	kt	67.0	47.2	51.7	49.7	48.4	50.7	62.2
Other powders	kt	105.7	120.3	124.3	138.7	111.8	90.2	113.8
Other products <b>nei</b>	kt	6.0	7.1	5.3	3.3	4.1	3.9	3.9

<sup>a</sup> Includes ghee, dry butterfat, butter concentrate and butter oil, all expressed as butter. **nei** Not elsewhere included.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra



TABLE 62 Australian dairy cow numbers, by state a

	New		South		Western		Australia b
	South Wales	Victoria	Queensland	Australia	Australia	Tasmania	
	'000	'000	'000	'000	'000	'000	'000
1973	465	1 274	390	141	98	155	2 647
1974	418	1 244	341	132	95	140	2 492
1975	387	1 269	329	135	91	144	2 477
1976	384	1 258	330	135	93	143	2 467
1977	373	1 167	312	120	84	128	2 279
1978	341	1 125	287	112	74	118	2 056
1979	320	1 047	265	105	72	110	1 921
1980	308	1 037	247	102	72	103	1 869
1981	289	1 024	236	100	71	99	1 819
1982	283	1 024	235	99	70	100	1 810
1983	293	998	234	98	69	98	1 792
1984	285	1 021	234	101	69	99	1 809
1985	274	1 036	229	102	69	98	1 809
1986	264	1 016	224	102	68	96	1 770
1987	270	997	223	102	67	96	1 757
1988	260	977	218	100	65	94	1 714
1989	258	990	210	94	64	92	1 709
1990	245	995	208	90	65	93	1 698
1991	230	1 000	199	89	66	97	1 682
1992	222	1 026	188	90	68	103	1 699
1993	222	1 033	189	93	70	107	1 716
1994	232	1 085	189	94	74	113	1 786
1995	230	1 113	189	97	73	119	1 821
1996	235	1 161	189	97	71	130	1 884
1997	245	1 229	194	101	71	137	1 977
1998	266	1 268	203	107	73	143	2 060
1999	282	1 340	196	117	65	154	2 155
2000	289	1 377	194	105	65	139	2 171
2001	270	1 360	187	132	72	155	2 176
2002	264	1 363	174	110	75	134	2 123
2003	250	1 303	159	117	77	142	2 050
2004	236	1 322	169	106	74	127	2 038
2005	240	1 319	139	93	62	132	1 942
2006	222	1 217	127	104	67	143	1 880
2007	210	1 150	121	114	60	140	1 796
2008	195	1 055	100	103	54	134	1 640
2009	201	1 061	107	106	52	149	1 676
2010	203	1 028	88	87	65	124	1 596
2011	194	1 019	99	91	63	138	1 589
2012	204	1 115	101	76	57	148	1 700
2013	213	1 106	101	72	65	149	1 688
2014	181	1 093	98	73	66	137	1 647
2015	177	1 147	91	68	59	147	1 689
2016 s	na	na	na	na	na	na	1 663

a Cows in milk and dry at 31 March on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 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 \$2 500 or more. b Includes data for the Australian Capital Territory and the Northern Territory. s ABARES estimate. na Not available.

Sources: Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; Dairy Australia, Web statistics, Melbourne

**TABLE 63** Australian production of wholemilk, by state <sup>a</sup>

	<b>New South Wales</b>	<b>Victoria</b>	<b>Queensland</b>	<b>South Australia</b>	<b>Western Australia</b>	<b>Tasmania</b>	<b>Australia <sup>b</sup></b>
	ML	ML	ML	ML	ML	ML	ML
1972–73	1 177	3 945	737	424	242	424	6 952
1973–74	1 069	3 917	665	439	241	422	6 756
1974–75	958	3 745	658	426	246	461	6 497
1975–76	985	3 518	691	398	240	434	6 248
1976–77	944	3 203	613	353	209	421	5 772
1977–78	875	3 013	537	316	212	381	5 621
1978–79	906	3 283	570	332	213	365	5 669
1979–80	907	3 151	506	329	222	315	5 430
1980–81	840	3 065	516	319	214	289	5 243
1981–82	874	3 028	557	306	209	294	5 268
1982–83	905	3 164	572	340	221	322	5 524
1983–84	940	3 400	629	382	232	340	5 923
1984–85	940	3 516	621	372	243	346	6 038
1985–86	904	3 575	600	365	243	351	6 038
1986–87	902	3 692	604	374	248	352	6 172
1987–88	931	3 649	614	378	251	306	6 129
1988–89	919	3 793	627	371	245	334	6 289
1989–90	879	3 787	629	356	267	343	6 262
1990–91	858	3 908	626	366	282	363	6 403
1991–92	894	4 119	635	411	302	372	6 732
1992–93	997	4 456	702	436	321	413	7 325
1993–94	1 099	4 968	764	456	345	447	8 079
1994–95	1 087	5 114	740	485	343	437	8 206
1995–96	1 118	5 482	751	512	341	514	8 718
1996–97	1 192	5 634	797	535	349	529	9 036
1997–98	1 242	5 866	822	580	387	543	9 439
1998–99	1 286	6 414	827	646	403	603	10 178
1999–2000	1 395	6 870	848	713	412	609	10 847
2000–01	1 326	6 784	760	699	389	590	10 547
2001–02	1 343	7 405	744	715	392	671	11 271
2002–03	1 301	6 584	720	733	404	585	10 328
2003–04	1 271	6 434	674	703	404	590	10 076
2004–05	1 218	6 613	619	679	398	600	10 127
2005–06	1 197	6 651	597	646	377	622	10 089
2006–07	1 105	6 297	534	655	349	642	9 583
2007–08	1 049	6 102	485	606	319	661	9 223
2008–09	1 065	6 135	512	628	340	708	9 388
2009–10	1 099	5 813	530	605	359	677	9 084
2010–11	1 087	5 936	487	572	372	726	9 180
2011–12	1 135	6 241	487	570	349	792	9 574
2012–13	1 136	6 071	460	536	349	765	9 317
2013–14	1 104	6 166	437	516	340	810	9 372
2014–15	1 160	6 390	411	516	364	891	9 732
2015–16	1 165	6 186	405	514	387	883	9 539

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

Source: Dairy Australia, Web statistics, Melbourne

**TABLE 64** Australian manufacture of dairy products

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
Butter <b>a</b>	128.4	122.5	119.7	118.2	116.1	118.6	117.6
Cheese	349.6	338.7	346.5	338.3	311.5	344.1	344.3
Non-cheddar	185.4	183.9	185.8	180.3	159.8	165.3	172.7
Cheddar	164.2	154.7	160.7	158.0	151.7	178.8	171.6
Whole milk powder	126.0	151.3	140.4	108.8	126.3	96.8	66.1
Skim milk powder <b>b</b>	190.2	222.5	230.3	224.1	211.0	242.3	255.8
Casein	7.8	4.9	4.8	4.5	3.5	0.0	0.0
Buttermilk powder	13.0	12.0	10.7	10.5	11.1	11.6	10.7

**a** Includes the butter equivalent of butter oil, butter concentrate, ghee and dry butterfat production.

**b** Includes mixed skim milk powder.

Sources: ABARES; Dairy Australia, Web statistics, Melbourne

**TABLE 65** Australian consumption of dairy products

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Total consumption</b>								
Butter	kt	85.3	86.5	87.8	84.8	90.8	94.5	94.4
Cheese <b>a</b>	kt	290.8	301.5	301.8	309.4	314.4	321.2	268.7
Australian	kt	222.5	232.1	228.5	239.4	241.5	242.4	223.9
Yoghurt	kt	157.4	161.9	166.7	169.6	172.5	170.1	na
Market milk	ML	2 270	2 317	2 387	2 446	2 464	2 480	2 489
<b>Consumption per person</b>								
Butter	kg	3.9	3.9	3.9	3.7	3.9	4.0	na
Cheese <b>a</b>	kg	13.3	13.7	13.5	13.5	13.4	13.6	na
Australian	kg	10.2	10.5	10.1	10.4	10.4	10.3	na
Yoghurt	kg	7.2	7.3	7.4	7.4	7.4	7.2	na
Market milk	L	103.8	104.5	106.0	106.7	105.8	105.0	na

**a** In natural equivalent weight.

Sources: ABARES; Dairy Australia, Web statistics, Melbourne

**TABLE 66** Australian milk prices and gross value of production

	Producer price <sup>a</sup>			Gross value of production		
	Manufacturing	Market	Weighted	Manufacturing	Market	Total
	milk <sup>c</sup>	milk	average	milk	milk	
c/L	c/L	c/L	\$m	\$m	\$m	
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	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
1999–2000	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	42.4	na	na	3 988
2009–10	na	na	37.3	na	na	3 371
2010–11	na	na	43.2	na	na	3 932
2011–12	na	na	42.0	na	na	3 986
2012–13	na	na	40.2	na	na	3 687
2013–14	na	na	51.2	na	na	4 729
2014–15	na	na	48.5	na	na	4 722
2015–16	na	na	43.0	na	na	4 102

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

Sources: ABARES; Australian Bureau of Statistics, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; Dairy Australia, Web statistics, Melbourne

**TABLE 67** Average export unit values of Australian dairy products <sup>a</sup>

	Butter <sup>b</sup>	Cheese	Skim milk powder	Whole milk powder	Casein
	\$/t	\$/t	\$/t	\$/t	\$/t
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	2 250	2 650	6 345
1989-90	2 420	3 462	2 343	2 852	5 704
1990-91	1 968	3 204	1 783	2 192	4 179
1991-92	2 177	3 318	1 963	2 432	4 820
1992-93	2 241	3 695	2 581	2 918	6 881
1993-94	2 197	3 753	2 239	2 603	13 941
1994-95	2 076	3 452	2 251	2 471	6 876
1995-96	2 993	3 882	2 842	3 141	8 564
1996-97	2 001	3 705	2 462	2 778	6 027
1997-98	2 264	3 956	2 493	2 882	4 997
1998-99	2 510	3 969	2 252	2 883	5 274
1999-2000	2 124	3 671	2 222	2 629	6 022
2000-01	2 419	4 343	3 543	3 464	9 040
2001-02	2 417	4 738	3 391	3 454	9 356
2002-03	2 014	3 846	2 296	2 681	6 258
2003-04	2 187	3 486	2 441	2 748	6 735
2004-05	2 713	3 851	2 784	3 094	9 059
2005-06	2 723	4 146	2 867	3 024	10 739
2006-07	2 212	3 877	2 984	2 912	9 712
2007-08	3 391	4 764	4 241	4 808	13 885
2008-09	3 297	5 439	3 408	4 086	14 076
2009-10	2 865	4 250	2 801	3 250	9 125
2010-11	4 496	4 477	3 242	3 713	11 117
2011-12	4 142	4 656	3 355	3 698	11 539
2012-13	3 350	4 503	3 184	3 585	11 113
2013-14	4 925	5 080	4 943	5 640	14 456
2014-15	4 542	5 185	3 658	4 245	43 207
2015-16	4 629	4 998	2 844	4 503	24 912

<sup>a</sup> free on board at port of origin. <sup>b</sup> Commercial butter equivalent.

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

**TABLE 68** Volume of Australian imports of cheese, by variety

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Volume	kt	kt	kt	kt	kt	kt	kt
<b>Processed</b>							
Cheddar	18.58	18.84	15.31	18.78	15.37	18.95	22.13
Other	2.72	3.08	4.97	4.10	3.80	4.30	4.63
<b>Natural</b>							
Blue vein	1.17	1.20	1.13	1.37	1.52	1.53	1.85
Camembert	0.21	0.41	0.34	0.55	0.78	0.83	0.99
Cheddar	26.52	26.69	27.95	20.39	20.89	18.46	19.17
Colby	2.13	2.44	2.39	2.78	1.64	2.20	2.05
Edam	1.70	0.93	1.29	0.67	0.48	0.61	0.56
Fetta	2.92	2.70	2.10	2.65	2.60	2.69	2.61
Gouda	1.54	0.90	0.74	1.43	1.88	2.51	0.74
Mozzarella	0.45	0.68	3.02	1.66	9.70	13.34	10.29
Parmesan	1.39	1.35	1.81	2.19	1.99	2.32	2.90
Provolone	0.47	0.48	0.51	0.67	0.66	0.53	0.59
Other	12.17	13.46	14.70	16.46	14.50	14.21	15.98
Total	71.96	73.15	76.26	73.70	75.82	82.48	91.63
<b>Unit value</b>							
	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg
<b>Processed</b>							
Cheddar	3.89	4.32	4.55	4.34	5.35	5.75	5.11
Other	5.32	5.71	5.24	5.04	6.44	6.13	6.05
<b>Natural</b>							
Blue vein	14.34	13.93	14.37	14.07	15.68	15.19	15.72
Camembert	12.64	13.37	11.04	10.61	11.48	11.86	12.18
Cheddar	3.98	4.44	4.13	3.82	5.14	5.02	4.67
Colby	4.02	4.70	4.42	4.09	5.67	5.24	4.60
Edam	4.02	5.41	4.42	5.52	7.91	6.52	6.93
Fetta	6.45	6.51	7.23	7.09	8.40	8.49	8.72
Gouda	3.61	5.05	5.84	4.82	5.40	4.85	7.70
Mozzarella	3.62	4.57	4.18	4.30	5.05	5.03	4.83
Parmesan	10.27	11.86	11.21	8.90	11.56	10.91	10.01
Provolone	9.39	8.19	8.32	7.33	9.03	8.84	8.69
Other	7.27	7.19	7.09	6.86	8.50	8.70	9.00
Average	5.01	5.44	5.35	5.30	6.51	6.45	6.38

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

TABLE 69 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
1972	366	5 480	6 480	5 138	6 296	675	836
1973	373	5 593	6 676	5 585	6 590	1 080	933
1974	380	5 564	6 987	5 469	6 732	958	995
1975	380	5 748	6 763	5 600	6 612	895	1 019
1976	386	6 027	7 298	5 674	6 978	994	1 161
1977	395	6 207	7 382	5 837	7 167	1 001	1 203
1978	401	6 230	7 692	5 743	7 487	1 027	1 233
1979	407	6 256	8 079	5 977	7 765	1 233	1 343
1980	413	6 291	8 342	5 982	7 972	1 355	1 358
1981	412	6 075	8 381	5 776	8 004	1 343	1 428
1982	432	6 375	8 811	5 721	8 426	1 312	1 484
1983	449	6 918	9 168	6 066	8 769	1 197	1 504
1984	453	6 857	9 581	6 219	9 313	1 337	1 703
1985	461	6 929	9 962	6 443	9 645	1 400	1 721
1986	470	7 217	10 295	6 568	10 064	1 310	1 734
1987	469	6 737	10 599	6 963	10 374	1 820	1 770
1988	471	6 604	10 717	7 070	10 385	2 090	1 786
1989	471	6 747	10 975	6 404	10 692	1 769	1 785
1990	473	6 797	11 025	6 382	10 744	1 368	1 838
1991	463	6 306	11 068	5 893	10 677	1 410	1 926
1992	460	6 056	11 218	5 875	10 823	1 442	2 036
1993	430	5 657	11 093	5 286	10 729	1 422	2 242
1994	422	5 348	11 240	5 188	10 950	1 320	2 338
1995	419	5 218	11 346	4 966	11 037	1 233	2 467
1996	421	5 136	11 705	4 844	11 325	1 131	2 582
1997	413	5 171	11 134	4 931	11 095	749	943
1998	417	5 458	11 397	5 083	11 209	627	907
1999	429	5 653	12 154	4 988	11 979	630	920
2000	440	5 863	12 650	5 429	12 295	752	1 060
2001	446	6 197	12 754	5 797	12 518	727	1 114
2002	463	6 595	15 079	6 072	14 733	831	1 189
2003	470	6 577	15 043	6 162	14 791	875	1 240
2004	471	6 652	15 384	6 290	15 097	870	1 295
2005	484	6 824	16 260	6 399	15 960	816	1 293
2006	494	7 192	16 820	6 801	16 456	879	1 386
2007	505	7 652	17 181	7 321	16 778	839	1 459
2008	504	7 970	16 807	7 501	16 412	754	1 396
2009	503	8 155	16 993	7 635	16 575	878	1 424
2010	513	8 278	17 348	7 887	16 905	780	1 553
2011	528	8 688	17 482	8 164	17 033	769	1 630
2012	543	9 027	17 957	8 490	17 403	816	1 798
2013	550	9 249	18 037	8 716	17 451	868	1 841
2014	571	9 634	18 508	9 020	17 810	920	1 809
2015	583	9 880	18 932	9 180	18 185	908	1 810

a Includes intra-EU trade up to and including 1996.

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

**TABLE 70** Milk production in selected regions and countries

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
<b>Americas</b>							
Argentina	10 350	10 600	11 470	11 679	11 519	11 326	11 552
Canada	8 280	8 350	8 400	8 614	8 443	8 437	8 682
United States	85 821	87 488	89 020	91 010	91 277	93 485	94 620
Brazil	20 190	21 605	22 449	23 008	24 259	25 489	26 300
<b>Asia</b>							
China	29 625	30 528	31 980	33 960	35 750	38 800	39 050
India	112 000	117 000	123 000	129 000	134 500	140 500	147 000
Japan	7 910	7 721	7 474	7 631	7 508	7 334	7 375
<b>Europe</b>							
European Union <b>a</b>	137 720	139 492	142 920	143 750	144 850	150 850	153 950
Russian Federation	32 600	31 847	31 646	31 831	30 529	30 499	30 550
Ukraine	11 610	11 249	11 085	11 378	11 488	11 426	10 950
<b>Oceania</b>							
Australia <b>b</b>	9 679	9 366	9 465	9 870	9 606	9 663	10 033
New Zealand	15 580	16 983	17 173	18 965	20 567	20 200	21 893
<b>World <b>c</b></b>	502 532	512 697	527 987	542 972	550 333	570 719	583 008

**a** Regarded as 28 countries. **b** Year ended 30 June. **c** Includes major producing countries.

Sources: ABARES; Dairy Australia, Web statistics, Melbourne; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC



**TABLE 71** Production of dairy products in selected regions and countries

	2008	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Butter</b>								
Australia <b>abc</b>	128	148	128	122	120	118	116	119
Brazil	84	76	78	79	81	83	85	87
Europe								
Russian Federation	305	246	207	217	216	219	252	260
European Union <b>d</b>	2 040	2 030	1 980	2 055	2 100	2 100	2 250	2 335
Ukraine	85	75	79	76	88	93	115	105
Japan	72	81	74	63	69	68	61	64
New Zealand	413	482	441	487	527	535	580	575
United States	746	713	709	821	843	845	842	843
World	7 970	8 155	8 278	8 688	9 027	9 249	9 634	9 880
<b>Cheese</b>								
Australia <b>a</b>	361	343	350	339	347	338	311	344
Brazil	607	614	648	679	700	722	736	751
Europe								
Russian Federation	804	840	776	753	790	713	760	861
European Union <b>d</b>	8 717	8 739	8 959	8 981	9 287	9 368	9 560	9 690
Ukraine	249	228	212	185	145	140	104	100
Japan	47	45	48	45	47	49	46	42
New Zealand	288	308	268	300	328	311	325	355
United States	4 496	4 570	4 737	4 806	4 938	5 036	5 222	5 370
World	16 807	16 993	17 348	17 482	17 957	18 037	18 508	18 932
<b>Skim milk powder</b>								
Australia <b>a</b>	164	212	190	222	230	224	211	242
Brazil	128	125	130	132	141	151	154	157
Europe								
Russian Federation	120	70	42	55	57	58	84	69
European Union <b>d</b>	980	1 080	1 060	1 180	1 270	1 250	1 550	1 710
Ukraine	65	51	53	43	52	52	55	50
Japan	158	167	156	137	139	136	120	127
New Zealand	252	385	344	366	404	404	415	390
United States	859	786	824	882	973	956	1 047	1 029
World	3 382	3 534	3 459	3 731	4 059	4 051	4 512	4 712

**a** Year ended 30 June. **b** Includes butter, anhydrous milk fat and ghee. **c** Factory production only. **d** Regarded as 28 countries.

Sources: ABARES; Dairy Australia, Web statistics, Melbourne; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 72** Volume of exports of dairy products, by selected countries

	2008	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Butter</b>								
Australia <b>ab</b>	57	70	74	56	49	54	49	44
Brazil	4	2	5	2	1	1	6	1
Canada	1	3	1	0	1	4	2	1
India	11	28	11	11	8	10	10	10
European Union <b>c</b>								
Net exports	153	149	154	124	121	122	142	192
New Zealand	351	492	429	449	506	508	556	548
Russian Federation	5	4	2	2	2	2	4	3
Ukraine	6	1	1	2	0	3	5	8
United States	89	30	59	65	47	93	74	23
<b>Cheese</b>								
Argentina	36	48	45	60	54	51	56	43
Australia <b>a</b>	203	146	168	163	161	174	151	159
European Union <b>c</b>								
Net exports	555	578	676	682	768	787	721	719
New Zealand	247	290	265	253	306	277	278	327
Ukraine	77	77	79	80	68	59	19	11
United States	131	108	173	225	260	316	368	317
<b>Skim milk powder</b>								
Australia <b>a</b>	120	162	126	155	141	147	143	186
Canada	11	10	6	10	10	13	13	14
European Union <b>c</b>								
Net exports	179	231	379	518	520	407	646	686
India	44	15	18	3	37	130	61	18
New Zealand	242	408	343	362	390	392	383	411
Russian Federation	15	0	0	0	0	3	3	2
Ukraine	44	27	14	22	26	12	28	30
United States	391	248	384	435	444	555	544	560

**a** Year ended 30 June. **b** Includes butter, anhydrous milk fat and ghee. **c** Regarded as 28 countries. Excludes intra-EU trade.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; United States Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 73** Volume of imports of dairy products, by selected countries

	2008	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Butter</b>								
Canada	7	12	8	11	8	7	10	17
European Union <sup>a</sup>	66	63	41	44	52	44	52	27
Japan	18	na	3	15	10	4	11	16
Mexico	49	74	49	36	37	50	37	43
Russian Federation	132	120	118	120	124	140	137	88
United States	16	17	10	12	17	12	22	39
<b>Cheese</b>								
European Union <sup>a</sup>	86	84	84	75	78	75	76	61
Japan	187	184	199	215	235	236	232	249
Korea, Rep. of	47	49	61	76	78	85	97	110
Mexico	68	73	80	78	89	103	99	116
Russian Federation	350	348	411	416	449	463	349	214
United States	137	131	110	110	122	113	127	157
<b>Skim milk powder</b>								
Algeria	105	93	98	129	112	120	168	140
China	55	70	89	130	168	235	253	200
European Union <sup>a</sup>	7	6	4	0	2	5	2	3
Indonesia	159	178	189	196	205	225	215	205
Japan	32	34	30	27	32	32	43	53
Mexico	152	165	155	194	236	198	203	259
Philippines	80	112	110	111	106	113	95	100

<sup>a</sup> Regarded as 28 countries. Excludes intra-EU trade.

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

**TABLE 74** Stocks of dairy products in principal producing countries

	2008	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Butter</b>								
Australia	13	2	22	42	46	49	64	77
Canada	14	13	10	9	15	11	9	10
European Union <b>a</b>	53	103	36	29	33	24	22	51
New Zealand	65	36	29	48	48	54	57	63
United States	54	60	37	48	69	51	47	70
Total	235	257	176	213	247	231	254	328
<b>Cheese</b>								
Australia	15	19	29	16	18	24	34	33
Canada	65	62	60	59	61	60	63	63
New Zealand	55	55	40	62	50	50	64	60
United States	386	439	475	450	464	458	462	520
Total	589	633	669	653	659	678	752	808
<b>Skim milk powder</b>								
Australia	42	32	54	81	75	96	62	57
Canada	40	31	27	23	33	25	34	41
European Union <b>a</b>	0	259	195	50	0	0	17	62
New Zealand	70	50	51	54	70	83	113	90
United States	90	60	66	75	83	61	109	93
Total	339	556	502	452	431	383	503	558

**a** Regarded as 28 countries.

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

**TABLE 75** Indicative interest rates for the Australian farm sector

	Australian broadacre farms a	Major trading banks	
		Overdrafts for small businesses b	3-month bank bills c
	%	%	%
1972–73	na	na	5.10
1973–74	na	na	11.30
1974–75	na	na	10.50
1975–76	na	10.45	8.60
1976–77	na	10.45	9.76
1977–78	9.20	10.45	10.26
1978–79	8.88	10.15	9.54
1979–80	9.24	10.11	11.00
1980–81	10.09	11.46	13.40
1981–82	11.48	13.68	16.81
1982–83	11.35	14.14	14.35
1983–84	12.02	13.78	11.88
1984–85	12.48	14.08	13.19
1985–86	15.45	17.29	16.72
1986–87	15.56	18.32	15.88
1987–88	13.86	15.11	11.92
1988–89	14.28	17.68	15.52
1989–90	16.67	20.34	16.96
1990–91	14.12	16.17	12.33
1991–92	12.02	12.83	8.19
1992–93	9.67	10.48	5.63
1993–94	9.29	9.59	4.87
1994–95	9.67	10.70	7.17
1995–96	10.43	11.43	7.51
1996–97	9.20	10.49	6.34
1997–98	8.30	8.84	5.00
1998–99	7.80	7.82	4.91
1999–2000	8.00	8.23	5.60
2000–01	8.58	9.05	5.81
2001–02	7.82	7.91	4.59
2002–03	7.33	8.20	4.84
2003–04	7.61	8.51	5.27
2004–05	7.22	8.78	5.54
2005–06	7.45	8.99	5.68
2006–07	7.82	9.60	6.33
2007–08	7.79	10.59	7.29
2008–09	7.73	10.05	4.84
2009–10	7.17	9.48	4.03
2010–11	7.04	10.53	4.91
2011–12	7.27	10.36	4.43
2012–13	7.04	9.51	3.16
2013–14	6.52	8.97	2.64
2014–15	5.95	8.81	2.51
2015–16	5.53	8.47	2.19

a Estimated average rate paid by all broadacre farms on all farm business debt for the year ended 30 June. Data for the latest year shown is preliminary. 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. c 3-month bank accepted bills, average of monthly data from 1972-73 to 1975-76, average of daily data from 1976-77. na Not available.

Sources: ABARES; Reserve Bank of Australia, Statistics Tables F1 and F5

TABLE 76 Rural indebtedness to financial institutions

	Rural debt					Farm deposits
	Other	Pastoral and	Large			
	All banks a	government agencies b	other finance companies	institutional debt c	Other farm management debt d	
	\$m	\$m	\$m	\$m	\$m	\$m
1972-73	1 249	552	303	2 104	na	na
1973-74	1 364	560	371	2 295	na	na
1974-75	1 452	612	279	2 343	na	na
1975-76	1 560	687	254	2 501	na	na
1976-77	1 651	745	200	2 596	na	na
1977-78	1 840	840	201	2 881	na	na
1978-79	2 072	915	244	3 231	na	na
1979-80	2 414	963	325	3 702	na	na
1980-81	3 161	801	325	4 287	na	na
1981-82	3 418	842	384	4 644	na	na
1982-83	3 980	1 049	385	5 414	na	na
1983-84	4 284	1 139	495	5 918	na	na
1984-85	5 254	1 230	601	7 085	na	na
1985-86	5 976	1 220	739	7 935	na	na
1986-87	5 705	1 515	1 345	8 566	na	na
1987-88	6 023	1 664	1 195	8 883	1 250	na
1988-89	7 430	1 803	1 503	10 735	1 350	na
1989-90	8 514	1 910	1 523	11 946	1 410	na
1990-91	8 666	1 877	1 205	11 748	1 436	na
1991-92	9 158	1 856	1 379	12 393	1 460	na
1992-93	10 049	1 879	1 041	12 969	1 580	na
1993-94	13 722	1 909	1 150	16 781	1 631	na
1994-95	14 485	1 872	1 368	17 726	1 690	na
1995-96	16 351	735	1 720	18 805	1 792	na
1996-97	17 466	698	2 065	20 228	1 760	na
1997-98	18 566	609	1 979	21 154	1 810	na
1998-99	20 085	661	1 093	21 840	1 852	229
1999-2000	23 240	663	2 527	26 430	1 901	590
2000-01	25 174	701	2 639	28 514	1 920	1 033
2001-02	26 829	711	2 691	30 231	1 967	2 074
2002-03	28 957	867	1 628	31 452	2 017	2 480
2003-04	34 115	891	3 379	38 385	2 067	2 619
2004-05	39 261	977	3 112	43 350	na	2 792
2005-06	43 546	1 073	3 454	48 073	na	2 797
2006-07	47 188	1 286	4 592	53 066	na	2 782
2007-08	53 743	1 409	5 126	60 278	na	2 879
2008-09	57 384	1 615	4 462	63 461	na	2 843
2009-10	58 097	1 811	2 029	61 937	na	2 784
2010-11	60 184	1 871	2 010	64 065	na	3 216
2011-12	59 749	2 076	1 801	63 626	na	3 532
2012-13	61 778	2 236	1 569	65 583	na	3 721
2013-14	62 461	2 451	1 486	66 397	na	4 139
2014-15	64 966	878	1 463	67 307	na	4 604
2015-16	66 912	973	1 622	69 508	na	5 068

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 Sum of all banks, other government agencies and pastoral and other finance companies.

d 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: ABARES; Department of Agriculture and Water Resources, Canberra; Reserve Bank of Australia, *Rural Debt by Lender*, Statistical Table D9

**TABLE 77** Australian farm fuel prices

	Petrol			Index of prices paid for fuel d
	Lead replacement a	Unleaded b	Off-road diesel c	
	c/L	c/L	c/L	
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
1999–2000	94.11	85.13	41.21	148.6
2000–01	91.15	88.48	53.48	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	86.05	55.01	144.3
2004–05	na	96.30	63.72	167.2
2005–06	na	115.28	82.85	210.6
2006–07	na	115.91	81.22	208.3
2007–08	na	127.56	98.46	243.7
2008–09	na	111.89	84.59	211.0
2009–10	na	110.01	73.33	191.7
2010–11	na	116.36	82.91	211.3
2011–12	na	125.72	89.48	228.2
2012–13	na	125.19	90.63	216.8
2013–14	na	132.75	99.04	221.1
2014–15	na	117.44	80.32	196.8
2015–16	na	104.08	61.78	177.1

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

Sources: ABARES; Ampol; Australian Taxation Office; Caltex Australia; Shell Australia; other unpublished sources

**TABLE 78** Australian wages and the consumer price index <sup>a</sup>

	Contract rates <sup>b</sup>	Shearing rates <sup>c</sup>	Rural wages <sup>d</sup>	Average weekly earnings	Consumer price index
	%	%	%	%	%
1972–73	11.9	6.8	11.6	9.0	6.0
1973–74	30.4	30.2	29.6	16.2	12.7
1974–75	42.1	44.1	41.8	26.6	16.9
1975–76	13.5	9.6	13.4	15.7	12.8
1976–77	12.6	10.5	12.6	14.7	13.7
1977–78	10.2	8.2	10.1	10.3	9.8
1978–79	5.2	6.7	5.3	8.4	8.0
1979–80	7.6	12.6	7.6	8.5	10.3
1980–81	9.2	9.8	9.1	12.6	9.3
1981–82	9.2	7.7	9.2	12.3	10.4
1982–83	14.4	7.9	11.0	13.1	11.5
1983–84	4.3	5.9	7.3	7.1	6.9
1984–85	9.6	9.7	9.5	5.1	4.3
1985–86	0.0	5.9	0.0	5.9	8.4
1986–87	10.5	1.1	10.5	6.2	9.3
1987–88	3.8	3.2	3.7	6.1	7.4
1988–89	23.4	11.2	7.5	6.8	7.3
1989–90	8.7	6.5	6.4	6.6	8.1
1990–91	5.3	1.4	9.6	5.9	5.3
1991–92	4.5	4.0	6.2	2.9	1.9
1992–93	2.7	1.5	3.5	2.0	1.0
1993–94	0.0	0.1	1.0	2.9	1.8
1994–95	2.4	0.8	1.3	3.4	3.2
1995–96	2.4	2.3	2.2	2.5	4.3
1996–97	2.3	1.5	2.2	2.9	1.3
1997–98	2.9	1.9	2.7	3.1	– 0
1998–99	3.9	5.7	3.6	2.4	–1.3
1999–2000	4.0	3.0	2.5	2.2	2.4
2000–01	7.8	3.6	3.6	5.3	6.0
2001–02	2.5	1.8	2.4	4.0	2.9
2002–03	4.4	3.4	4.0	4.3	3.0
2003–04	7.6	5.6	3.8	4.6	2.4
2004–05	6.3	4.1	3.9	4.2	2.4
2005–06	4.5	3.4	3.6	4.9	3.2
2006–07	4.5	4.4	4.3	4.5	3.0
2007–08	3.8	3.8	3.7	3.9	3.4
2008–09	3.6	3.6	3.5	3.8	3.1
2009–10	1.0	2.4	1.0	5.3	2.3
2010–11	4.8	6.1	4.6	4.0	3.1
2011–12	3.4	3.0	3.4	4.1	2.3
2012–13	2.9	2.4	2.9	4.9	2.3
2013–14	2.6	2.4	2.6	2.3	2.7
2014–15	3.1	2.7	3.0	1.3	1.7
2015–16	2.5	4.8	2.5	1.8	1.4

<sup>a</sup> Percentage change from previous year. <sup>b</sup> Base rural wages (Station hand grade 1/ Farming & Livestock hand 1) plus casual employment loading of 25 per cent (as of 31 October 2004), 22.5 per cent (November 2003 to October 2004), 17.5 per cent from September 1988. Prior to September 1988 people could be employed on a daily (casual) basis (as opposed to weekly) and the payment was equivalent to 1/5th of the Station hand grade 1 rate only. <sup>c</sup> Based on price per 100 flock sheep. <sup>d</sup> Base rural wages for Station hand grade 1/Farming & Livestock hand 1.

Sources: ABARES; Australian Bureau of Statistics (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; Fairwork Australia, Pastoral Industry Award 2010 (MA000035), formerly Pastoral Industry Award 1998 (Transitional) 2006, Pastoral Industry Award 1998 (AW792378), PO143 Pastoral Industry Award 1995, Pastoral Industry Award 1986, 1970, 1965



TABLE 79 Australian tractor sales, by type

	By power segment, by volume a				By power segment, by value			
	Under 30 kW	30–90 kW	Over 90 kW	Total	Under 30 kW	30–90 kW	Over 90 kW	Total
	no.	no.	no.	no.	\$m	\$m	\$m	\$m
1990–91	1 756	4 259	668	6 683	na	na	na	na
1991–92	1 430	3 642	825	5 897	11	78	63	152
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
1999–2000	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
2010–11	3 635	5 322	1 933	10 890	77	368	449	894
2011–12	4 080	6 351	2 162	12 593	87	422	515	1 024
2012–13	3 982	5 842	2 356	12 180	82	386	554	1 022
2013–14	3 688	5 402	2 447	11 537	74	360	573	1 007
2014–15	3 980	5 741	2 388	12 109	77	385	603	1 066
2015–16	3 658	6 049	2 174	11 881	74	466	645	1 184

a Tractor power ratings refer to power take-off, power in kilowatts. na Not available.

Source: Agriview, Victoria, Australia

TABLE 80 Value of Australian trade in selected farm machinery

	Imports a				Exports			
	Tractors	Tillage machinery	Harvesting/ haymaking machinery	Seeding machinery	Tractors	Tillage machinery	Harvesting/ haymaking machinery	Seeding machinery
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
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	231 955	10 464	86 184	5 567	1 151	1 614	8 587	417
1989-90	271 399	15 627	96 269	5 913	1 576	1 133	13 115	889
1990-91	148 351	8 875	64 383	4 045	2 329	2 536	11 747	335
1991-92	91 061	4 529	43 398	4 002	3 320	3 726	12 256	1 013
1992-93	178 920	9 925	72 592	5 011	3 472	2 232	18 696	1 198
1993-94	245 154	11 352	118 367	6 835	2 666	2 952	32 545	856
1994-95	312 964	12 137	142 121	10 342	3 151	1 764	34 019	1 547
1995-96	366 038	19 344	170 314	14 505	2 419	2 933	44 451	1 529
1996-97	454 201	22 925	253 465	22 501	3 404	2 787	34 327	1 961
1997-98	512 157	21 937	243 733	30 525	2 975	1 446	36 820	1 412
1998-99	515 845	21 205	241 246	24 967	2 165	2 520	33 235	1 104
1999-2000	416 136	18 868	230 129	24 214	2 348	2 820	33 891	673
2000-01	376 921	12 393	229 102	19 085	4 054	5 230	25 744	1 388
2001-02	477 563	16 483	161 411	29 197	5 720	3 386	46 610	1 214
2002-03	504 775	14 439	225 839	31 722	4 001	1 048	29 754	2 498
2003-04	596 319	18 630	249 527	33 546	2 983	1 302	30 528	1 426
2004-05	664 085	17 760	278 682	39 942	16 212	1 114	13 441	1 458
2005-06	567 629	13 487	236 394	28 691	13 117	1 814	6 804	610
2006-07	420 186	13 608	191 337	21 320	11 842	2 737	6 930	1 634
2007-08	466 924	14 767	164 562	33 465	17 619	5 269	6 182	797
2008-09	682 536	25 756	330 293	67 377	14 069	8 334	8 313	2 277
2009-10	663 418	26 565	367 282	60 220	10 317	10 170	8 396	2 488
2010-11	383 309	17 407	244 900	26 480	13 888	8 026	7 056	1 378
2011-12	655 941	29 363	443 683	53 350	28 400	7 259	11 154	998
2012-13	579 007	21 563	368 037	52 381	12 734	10 751	8 287	2 979
2013-14	564 699	24 717	291 710	74 187	13 860	13 768	9 338	6 388
2014-15	565 026	23 335	313 690	68 766	11 551	10 483	11 781	1 287
2015-16	765 209	35 140	402 121	77 943	15 978	6 045	10 608	3 533

a free on board at port of origin.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 81** Australian sales and prices of agricultural chemicals, by product type

	Herbicides ab	Fungicides/ plant growth regulants ab	Insecticides ab	Animal health products a	Index of prices paid for chemicals c
	\$'000	\$'000	\$'000	\$'000	
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
2004-05	908 519	185 120	321 139	620 744	111.9
2005-06	960 751	179 536	326 735	674 521	114.6
2006-07	915 018	133 016	261 791	707 383	124.7
2007-08	1 411 357	145 991	246 888	739 973	149.7
2008-09	1 067 038	189 867	287 476	754 017	136.7
2009-10	1 192 623	182 085	329 894	820 437	116.2
2010-11	1 251 779	271 618	431 265	897 180	110.4
2011-12	1 301 905	256 096	481 349	944 350	112.6
2012-13	1 261 772	202 466	411 108	938 993	110.3
2013-14	1 481 453	215 015	417 454	934 099	113.6
2014-15	1 545 493	236 755	444 536	954 864	114.7

**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 Australian Bureau of Statistics benchmark data. **na** Not available.

Sources: ABARES; Australian Pesticides and Veterinary Medicines Australia (APVMA); National Association for Crop Protection & Animal Health (AVCARE); National Registration Authority (NRA)

**TABLE 82** Australian fertiliser prices, by type a

	Single superphosphate b	Diammonium phosphate b	Ammonium sulphate c	Potassium chloride c	Urea c	Index of prices paid for fertiliser d
	\$/t	\$/t	\$/t	\$/t	\$/t	
1972-73	17	na	41	69	81	11.6
1973-74	19	113	61	84	87	13.7
1974-75	55	na	103	103	121	30.8
1975-76	56	215	105	129	141	27.3
1976-77	53	135	92	109	154	28.0
1977-78	59	na	104	112	175	29.4
1978-79	57	248	112	118	185	32.1
1979-80	71	297	129	145	246	39.0
1980-81	83	338	149	176	274	46.5
1981-82	93	338	157	187	269	51.3
1982-83	101	334	156	181	261	52.6
1983-84	105	323	176	207	286	56.0
1984-85	118	342	218	267	322	62.2
1985-86	131	378	209	271	280	68.3
1986-87	128	339	211	279	276	67.0
1987-88	133	379	212	294	303	68.3
1988-89	155	396	229	329	340	76.9
1989-90	166	365	260	341	324	82.4
1990-91	177	389	276	362	390	85.0
1991-92	180	385	290	369	381	90.3
1992-93	173	369	293	368	390	88.7
1993-94	175	344	298	374	383	87.1
1994-95	179	417	319	372	456	89.6
1995-96	184	449	326	369	480	98.2
1996-97	179	460	318	363	435	99.2
1997-98	197	498	343	409	381	100.0
1998-99	197	488	339	438	334	102.7
1999-2000	198	442	361	475	372	99.8
2000-01	210	475	377	511	444	106.4
2001-02	223	455	404	406	376	104.3
2002-03	234	448	399	413	363	106.9
2003-04	223	459	344	387	377	102.8
2004-05	220	469	341	429	442	108.8
2005-06	228	532	377	442	471	111.6
2006-07	241	650	385	472	512	121.4
2007-08	446	1 129	611	883	852	220.4
2008-09	510	1 336	680	1 140	878	239.6
2009-10	351	753	416	926	531	156.0
2010-11	360	843	433	708	563	157.3
2011-12	346	832	492	709	653	165.5
2012-13	349	747	459	692	606	157.9
2013-14	na	na	na	na	na	153.2
2014-15	na	na	na	na	na	154.7
2015-16	na	na	na	na	na	157.8

a Average price paid by Australian farmers to 30 June. b Bulk price. c Bagged price to 2001, bulk price from 2002.

d Based on a four quarter average for the year ending 30 June. na Not available.

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

TABLE 83 World fertiliser indicator prices

	Phosphate rock a	Sulphur b	Diammonium 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
1980–81	34.7	109.2	180.4	150.6	130.8	205.1	95.4
1981–82	36.3	106.0	167.9	126.9	179.8	173.8	91.7
1982–83	39.4	106.3	186.9	143.6	209.6	160.4	80.8
1983–84	34.9	99.6	211.8	145.8	210.7	151.5	86.1
1984–85	37.1	172.5	229.6	161.8	265.9	217.8	112.8
1985–86	41.2	197.3	242.5	184.9	190.7	125.1	113.9
1986–87	42.0	170.7	226.4	179.0	137.4	117.3	98.8
1987–88	40.8	131.1	253.0	205.7	127.6	140.9	107.3
1988–89	42.7	130.5	238.1	195.9	120.9	154.2	115.9
1989–90	49.4	110.5	210.9	161.9	72.5	146.1	126.2
1990–91	52.2	124.0	230.5	182.7	161.8	191.2	124.0
1991–92	55.9	82.4	210.5	158.3	147.9	189.4	143.0
1992–93	61.2	56.3	183.8	171.0	134.9	190.0	160.4
1993–94	54.4	47.2	222.0	194.1	218.0	191.0	162.8
1994–95	49.3	74.7	268.2	214.8	332.7	256.8	151.6
1995–96	49.6	62.9	299.1	228.2	261.2	271.9	148.2
1996–97	46.6	41.7	264.0	245.4	277.1	238.6	143.7
1997–98	50.7	44.7	301.4	275.0	232.4	189.8	165.8
1998–99	63.9	40.8	325.4	286.6	192.5	168.0	179.4
1999–2000	70.1	64.2	268.9	232.5	227.1	190.5	179.3
2000–01	81.9	56.6	311.0	266.5	430.1	311.1	209.5
2001–02	84.1	46.6	298.9	250.0	286.3	216.6	214.9
2002–03	75.5	80.3	312.1	260.1	356.9	253.2	193.0
2003–04	61.9	101.3	303.9	251.9	394.9	267.5	158.2
2004–05	58.5	95.7	336.9	273.8	416.3	343.0	191.9
2005–06	58.9	102.8	387.3	296.6	503.3	350.1	217.5
2006–07	56.0	68.5	436.9	336.1	414.4	374.5	242.4
2007–08	150.7	183.9	869.5	398.9	513.8	479.8	294.1
2008–09	476.9	238.9	1016.8	229.4	626.7	583.2	803.3
2009–10	102.1	89.5	475.2	na	384.5	354.6	475.1
2010–11	130.7	153.3	623.8	238.0	506.0	394.8	333.8
2011–12	181.3	186.2	624.7	426.2	567.8	527.9	448.4
2012–13	171.1	157.7	560.3	512.8	693.4	443.5	424.5
2013–14	112.0	116.1	521.2	432.5	555.8	417.4	377.4
2014–15	140.8	180.6	631.2	509.3	740.4	417.7	342.2
2015–16	163.2	147.4	619.9	510.5	543.8	386.5	414.1

a US Gulf 68 BPL for the period to 31 December 1997. Data after March 1998 refer to North Africa. 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. fob free on board. na Not available.

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

**TABLE 84** Australian fertiliser consumption, by element

	<b>Phosphorous (P)</b>	<b>Nitrogen (N)</b>	<b>Potassium (K)</b>
	kt	kt	kt
1972	458.7	166.6	81.8
1973	452.4	176.0	86.6
1974	232.1	177.6	76.9
1975	222.9	167.0	60.5
1976	323.7	207.8	82.8
1977	345.9	177.0	83.0
1978	385.9	215.0	93.0
1979	399.5	245.0	108.7
1980	375.3	248.0	106.2
1981	362.1	250.0	113.7
1982	335.3	258.0	105.5
1983	326.5	305.0	116.8
1984	336.2	344.0	117.2
1985	301.4	340.0	107.9
1986	319.6	332.5	112.6
1987	383.6	363.1	122.3
1988	370.7	392.6	133.5
1989	347.8	440.3	135.0
1990	254.7	439.4	120.7
1991	299.3	462.3	117.9
1992	344.2	488.2	122.3
1993	338.8	565.4	146.2
1994	406.0	583.2	182.3
1995	424.7	671.3	191.6
1996	433.5	824.6	171.0
1997	479.6	839.4	211.3
1998	457.2	979.0	192.6
1999	464.2	1 082.0	179.3
2000	487.1	951.0	180.1
2001	522.3	1 034.0	200.9
2002	470.4	972.3	179.0
2003	445.1	932.9	183.2
2004	487.4	1 056.5	214.8
2005	454.5	952.2	184.3
2006	432.9	858.1	185.5
2007	432.1	848.0	188.7
2008	360.0	835.0	177.3
2009	282.3	849.8	130.2
2010	359.4	981.8	137.9
2011	384.1	1 098.9	149.1
2011–12	385.6	1 124.6	156.1
2012–13	367.5	1 222.1	174.0
2013–14	396.3	1 404.6	192.2
2014–15	404.9	1 302.8	199.1
2015–16	413.7	1 474.1	212.0

Sources: ABARES; Fertiliser Industry Federation of Australia; International Fertilizer Association

**TABLE 85** Volume of Australian imports of fertiliser, by element a

	<b>Phosphorous (P)</b>	<b>Nitrogen (N)</b>	<b>Potassium (K)</b>
	kt	kt	kt
1991–92	171.6	265.4	120.1
1992–93	204.0	298.0	125.8
1993–94	195.5	375.1	142.4
1994–95	224.9	384.4	180.5
1995–96	263.9	441.6	177.5
1996–97	281.4	569.6	160.2
1997–98	311.6	631.5	209.0
1998–99	305.8	671.1	169.4
1999–2000	293.8	813.6	171.5
2000–01	281.1	679.7	169.2
2001–02	259.9	722.5	197.9
2002–03	241.5	619.6	200.1
2003–04	242.5	654.8	195.4
2004–05	313.3	749.1	221.2
2005–06	223.0	583.3	176.5
2006–07	150.2	463.0	141.4
2007–08	215.5	625.4	209.5
2008–09	167.2	546.5	152.6
2009–10	170.7	628.0	128.3
2010–11	267.3	738.8	130.3
2011–12	205.4	869.0	132.1
2012–13	192.5	949.4	146.9
2013–14	262.0	1 030.5	137.5
2014–15	283.5	1 054.6	217.1
2015–16	322.4	996.5	157.1

a Data are based on an average percentage of elemental nutrients (P, N and K) contained in the main imported products: urea, SOA, UAN, DAP, MAP, TSP, SSP, MOP and SOP.

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

**TABLE 86** Volume of Australian imports of raw materials for fertiliser production, by source

	Sulphur		Phosphate rock						Total
	Canada	Other	Christmas Island	China	Morocco	Nauru	Togo	Other	
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1972-73	396	10	684	na	na	na	na	na	2 282
1973-74	381	23	955	na	na	na	na	na	3 104
1974-75	502	78	1 002	na	na	na	na	na	2 639
1975-76	180	26	503	na	na	na	na	na	1 461
1976-77	381	26	567	na	na	na	na	na	1 319
1977-78	470	26	487	na	na	na	na	na	1 610
1978-79	337	99	543	na	na	na	na	na	1 756
1979-80	627	60	674	na	na	na	na	na	1 936
1980-81	552	4	624	na	na	na	na	na	2 232
1981-82	459	0	780	na	25	na	na	na	2 360
1982-83	371	21	699	na	na	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	262	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	na	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	80	50	104	167	0	505	906
1997-98	126	5	126	79	238	153	0	464	1 060
1998-99	231	94	146	44	273	88	0	332	884
1999-2000	255	7	76	107	239	106	0	228	756
2000-01	435	46	42	293	278	119	0	91	823
2001-02	539	4	26	266	257	27	243	114	933
2002-03	559	36	10	200	150	16	244	91	711
2003-04	660	24	44	179	198	0	253	49	723
2004-05	568	24	38	210	381	0	163	5	797
2005-06	543	7	101	86	405	0	48	15	655
2006-07	521	6	61	23	343	27	0	18	472
2007-08	838	5	52	55	438	112	0	49	707
2008-09	645	24	60	15	284	86	0	95	540
2009-10	386	10	11	1	73	0	0	0	85
2010-11	603	45	35	0	288	74	0	11	408
2011-12	708	77	35	1	183	72	0	28	319
2012-13	887	137	34	0	183	60	0	146	423
2013-14	899	134	48	0	60	87	0	145	340
2014-15	923	134	18	0	66	37	122	151	394
2015-16	663	260	21	0	66	85	99	251	521

na Not available.

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



TABLE 87 Volume of Australian trade in manufactured fertiliser, by type

	Imports					Exports		
	Diammonium	Monoammonium	Other	Urea	Potassic	Nitrogen	Ammonium	
	Superphosphates	phosphate	phosphate	ammonium	fertiliser	fertiliser	phosphates	
	kt	kt	kt	kt	kt	kt	kt	
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
1999-2000	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	202.8	432.9	200.1	1 069.3	273.6	354.9	439.0
2010-11	296.7	185.4	753.0	166.7	1 267.0	297.8	291.6	388.3
2011-12	90.6	141.6	704.4	403.3	1 455.5	291.8	147.1	484.0
2012-13	133.6	213.8	543.7	280.5	1 706.8	332.3	81.1	448.2
2013-14	189.5	231.2	786.2	364.1	1 819.5	307.1	38.8	227.4
2014-15	258.2	243.4	808.2	233.4	1 923.7	454.5	67.2	373.1
2015-16	343.7	199.5	942.6	193.3	1 785.8	331.1	54.1	562.3

na Not available.

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

**TABLE 88** Volume of Australian fertiliser imports, by state

	Triple	Diammonium	Monoammonium	Ammonium fertilisers		Urea	Potassic fertiliser	Phosphate rock
	superphosphate	phosphate	phosphate	Sulphate	Nitrate			
	kt	kt	kt	kt	kt	kt	kt	kt
<b>New South Wales</b>								
2010–11	84.2	14.7	72.4	1.3	39.1	135.7	9.0	0.0
2011–12	10.7	12.8	94.0	1.7	61.7	141.3	8.4	0.0
2012–13	8.6	7.7	62.8	1.2	56.6	177.2	8.6	0.0
2013–14	37.6	14.2	87.5	11.7	45.9	171.2	6.7	0.0
2014–15	53.6	12.8	86.3	6.7	12.1	209.8	14.2	0.0
2015–16	104.8	13.4	115.5	8.0	4.9	235.5	11.0	0.0
<b>Victoria</b>								
2010–11	137.9	64.8	364.1	18.0	5.4	455.6	91.6	231.0
2011–12	43.5	31.4	261.1	67.8	7.3	493.8	65.4	163.7
2012–13	73.6	64.4	217.7	45.9	10.8	578.7	91.5	224.1
2013–14	118.9	95.1	304.4	22.1	12.2	723.7	107.8	203.3
2014–15	133.4	88.8	316.5	46.9	13.9	741.6	126.9	254.2
2015–16	163.2	88.4	294.5	45.0	14.4	547.6	124.3	282.0
<b>Queensland</b>								
2010–11	0.2	10.3	13.0	9.9	66.5	234.9	93.6	0.1
2011–12	0.0	3.2	16.6	5.4	174.7	330.7	101.9	0.0
2012–13	0.0	5.8	14.6	5.1	93.9	316.8	117.4	0.0
2013–14	0.1	4.5	18.8	7.8	45.0	269.5	106.3	0.0
2014–15	0.0	5.2	24.6	8.5	23.5	239.0	133.7	0.0
2015–16	0.4	5.4	37.3	14.4	20.6	273.6	101.7	0.0
<b>South Australia</b>								
2010–11	28.0	45.9	65.1	4.6	2.3	132.4	7.3	0.0
2011–12	0.0	40.5	74.3	13.3	4.1	167.3	7.2	0.0
2012–13	0.0	76.8	39.7	3.1	0.9	223.1	8.9	0.0
2013–14	0.0	68.4	54.5	21.3	1.7	265.0	9.9	0.0
2014–15	16.0	80.8	54.9	13.7	0.6	246.2	9.0	0.0
2015–16	27.1	46.7	100.9	11.0	2.0	152.9	8.9	0.0
<b>Western Australia</b>								
2010–11	42.9	41.7	236.2	3.6	14.1	279.3	78.2	61.7
2011–12	36.4	53.7	258.3	19.6	47.5	304.3	92.3	103.0
2012–13	45.5	49.9	204.6	3.8	59.1	388.9	86.8	86.4
2013–14	24.4	43.4	318.7	3.3	193.2	366.9	57.7	66.1
2014–15	50.6	45.0	320.5	15.6	91.9	456.9	141.6	71.2
2015–16	42.6	39.7	393.0	6.0	65.6	550.1	61.8	111.4
<b>Tasmania</b>								
2010–11	3.5	8.0	0.0	0.0	0.0	29.0	17.1	0.0
2011–12	0.0	0.0	0.0	0.0	0.1	18.1	15.9	0.0
2012–13	0.0	0.0	0.0	0.0	0.0	22.1	18.5	112.9
2013–14	0.0	5.6	2.2	0.0	0.0	23.3	18.0	70.1
2014–15	0.0	10.7	5.6	0.0	0.0	30.2	28.3	68.7
2015–16	5.6	5.7	1.4	1.4	0.0	26.2	22.7	127.7
<b>Australia</b>								
2010–11	296.7	185.4	753.0	39.3	127.4	1 267.0	297.8	407.7
2011–12	90.6	141.6	704.4	107.9	295.4	1 455.5	291.8	319.3
2012–13	133.6	213.8	543.7	59.2	221.3	1 706.8	332.3	423.5
2013–14	189.5	231.2	786.2	66.1	298.0	1 819.5	307.1	339.6
2014–15	258.2	243.4	808.2	91.4	142.0	1 923.7	454.5	394.2
2015–16	343.7	199.5	942.6	85.8	107.5	1 785.8	331.1	521.2

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 89** Value of Australian fertiliser imports, by state <sup>a</sup>

	Triple superphosphate	Diammonium phosphate	Monoammonium phosphate	Ammonium fertilisers		Urea	Potassic fertiliser	Phosphate rock
				Sulphate	Nitrate			
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>New South Wales</b>								
2010–11	22.7	9.1	43.4	0.4	17.8	48.3	4.7	0.0
2011–12	3.0	7.1	52.7	0.5	31.0	65.2	4.9	0.0
2012–13	2.4	3.9	30.2	0.3	25.3	70.9	5.4	0.0
2013–14	7.3	6.5	41.9	2.9	19.9	61.4	4.4	0.0
2014–15	9.4	7.7	48.7	1.9	4.9	74.2	7.3	0.0
2015–16	22.7	7.3	61.6	2.3	2.4	74.6	7.0	0.0
<b>Victoria</b>								
2010–11	39.2	38.7	216.8	4.6	2.2	156.4	37.0	31.1
2011–12	16.7	16.4	147.4	20.0	3.4	238.3	31.6	24.4
2012–13	14.2	31.1	107.6	12.7	4.7	229.2	42.5	34.7
2013–14	24.0	46.4	143.2	6.1	5.7	254.9	43.9	27.7
2014–15	29.1	51.9	183.0	12.7	6.5	259.4	57.2	36.7
2015–16	34.9	44.6	150.5	12.6	6.6	177.2	58.8	49.8
<b>Queensland</b>								
2010–11	0.1	5.7	7.3	2.3	28.7	81.8	40.2	0.1
2011–12	0.0	2.1	8.8	1.6	85.7	152.5	49.3	0.0
2012–13	0.0	2.7	8.2	1.6	43.3	127.7	56.6	0.0
2013–14	0.0	2.3	10.3	2.2	18.4	95.5	48.0	0.0
2014–15	0.0	3.2	16.3	2.3	10.4	87.7	62.4	0.0
2015–16	0.2	1.7	20.7	3.7	7.5	93.0	54.4	0.0
<b>South Australia</b>								
2010–11	6.2	27.0	38.6	1.1	0.9	49.2	4.0	0.0
2011–12	0.0	21.1	40.9	3.7	1.9	76.4	4.1	0.0
2012–13	0.0	37.5	20.0	0.9	0.4	88.5	5.0	0.0
2013–14	0.0	30.3	25.2	5.6	0.8	95.6	6.1	0.0
2014–15	3.4	48.1	32.5	3.8	0.1	89.3	6.3	0.0
2015–16	7.9	24.0	55.3	2.9	0.8	45.3	6.2	0.0
<b>Western Australia</b>								
2010–11	12.0	23.5	130.0	0.8	5.2	96.4	35.5	9.1
2011–12	14.8	28.3	143.4	5.5	21.1	128.7	48.0	20.4
2012–13	17.4	24.7	101.9	1.3	26.6	153.1	42.0	13.5
2013–14	6.0	20.1	147.2	1.2	87.7	131.7	26.6	9.8
2014–15	16.3	28.6	180.8	5.2	43.3	173.1	61.8	9.7
2015–16	12.8	22.2	212.0	1.9	30.5	167.4	32.0	17.9
<b>Tasmania</b>								
2010–11	1.1	4.9	0.0	0.0	0.0	9.6	6.7	0.0
2011–12	0.0	0.0	0.0	0.0	0.0	8.6	7.6	10.3
2012–13	0.0	0.0	0.0	0.0	0.0	8.7	8.3	15.6
2013–14	0.0	2.8	1.3	0.0	0.0	7.9	6.8	10.3
2014–15	0.0	6.3	3.4	0.0	0.0	10.4	10.9	8.7
2015–16	2.5	3.1	1.5	0.4	0.0	8.7	10.2	18.9
<b>Australia</b>								
2010–11	81.4	108.9	437.4	9.7	54.8	441.7	128.1	57.1
2011–12	34.4	75.0	393.1	31.3	143.2	669.7	145.5	55.2
2012–13	36.1	104.5	270.0	16.9	100.2	678.1	159.8	63.9
2013–14	39.0	108.4	369.1	18.1	132.6	647.0	135.8	47.9
2014–15	60.2	145.8	464.7	25.9	65.2	694.2	205.9	55.2
2015–16	81.2	102.9	501.5	23.7	47.8	566.1	168.6	86.7

<sup>a</sup> fob at port of origin. fob free on boardSource: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 90** Summary of Australian fisheries production

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16 <sup>s</sup>
<b>Value</b>	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Fish</b>							
Tuna <b>a</b>	125.3	139.0	172.3	176.0	146.7	160.9	173.6
Salmonids <b>b</b>	369.5	427.4	513.6	518.0	543.0	630.8	702.1
Other	464.5	431.5	456.3	445.9	403.2	433.7	455.5
Total	959.2	998.0	1 142.2	1 139.9	1 092.9	1 225.5	1 331.3
<b>Crustaceans</b>							
Prawn	324.7	308.1	266.5	277.9	338.5	358.3	413.1
Rock lobster	381.3	391.8	394.3	439.2	586.1	667.6	683.8
Other	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Total	706.1	699.9	660.8	717.2	924.7	1 026.0	1 097.0
<b>Molluscs</b>							
Abalone	173.4	178.4	169.7	177.7	163.9	164.4	170.6
Scallop	23.4	22.1	8.2	14.7	11.3	11.3	12.7
Oyster	100.9	97.3	90.1	93.5	91.3	92.3	86.7
Other	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Total	297.9	297.9	268.1	286.1	266.6	268.1	270.2
<b>Other nei</b>	227.9	252.2	233.7	242.1	185.6	241.0	208.8
<b>Total value a</b>	2 191.1	2 248.1	2 304.8	2 385.4	2 469.8	2 760.5	2 907.3
<b>Quantity</b>	kt	kt	kt	kt	kt	kt	kt
<b>Fish</b>							
Tuna <b>a</b>	11.0	9.1	10.1	10.6	10.7	12.4	13.7
Salmonids <b>b</b>	32.0	36.8	44.2	43.0	41.8	48.6	55.0
Other	120.7	112.9	113.1	106.5	101.3	101.0	104.2
Total	163.6	158.8	167.3	160.1	153.9	162.0	173.0
<b>Crustaceans</b>							
Prawn	27.3	27.2	22.5	21.3	25.0	25.1	26.1
Rock lobster	10.1	9.9	9.1	10.3	10.4	10.3	10.1
Crab	5.3	5.8	5.0	4.7	5.0	5.0	na
Other <b>c</b>	0.5	0.5	0.5	0.6	0.5	0.6	5.3
Total	43.2	43.4	37.1	36.8	41.0	41.0	na
<b>Molluscs</b>							
Abalone	5.0	5.2	5.1	5.0	4.7	4.6	4.7
Scallop	7.6	7.0	3.6	6.8	4.4	4.3	4.9
Oyster	14.9	13.9	12.6	12.4	11.6	10.9	10.9
Squid	1.7	2.1	3.1	2.9	1.2	1.8	na
Other <b>d</b>	4.8	4.4	4.8	5.1	4.7	5.3	7.3
Total	33.9	32.7	29.1	32.2	26.6	26.9	na
<b>Other nei</b>	2.6	3.8	3.1	3.8	1.6	5.8	na
<b>Total quantity a</b>	243.3	238.7	236.6	233.0	223.1	235.7	na

**a** To avoid double counting, total has been reduced to allow for southern bluefin tuna caught in the Commonwealth Southern Bluefin Tuna Fishery, as an input to farms in South Australia. **b** Includes salmon and trout production. **c** Includes crab for 2015-16. **d** Includes squid for 2015-16. **s** ABARES Estimates. **na** Not available. **nei** Not elsewhere included.

Source: ABARES, *Australian fisheries and aquaculture statistics 2015*, Canberra

**TABLE 91** Australian exports of edible fisheries products

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Value</b>	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Fish</b>							
Live <b>a</b>	40 435	33 372	31 953	30 664	34 174	29 862	30 179
Tuna	118 494	131 388	162 703	162 636	135 539	150 993	163 255
Salmonids <b>b</b>	29 640	54 437	41 779	25 402	17 396	48 142	79 936
Swordfish	4 181	4 464	4 241	3 929	3 921	4 404	6 904
Whiting	3 396	4 979	2 535	1 355	189	56	19
Other fish	61 632	58 143	46 166	34 179	34 216	37 736	74 333
Total fish <b>c</b>	257 779	286 784	289 377	258 166	225 434	271 192	354 626
<b>Crustaceans and molluscs</b>							
Rock lobster	399 682	369 271	386 710	447 263	590 293	691 232	693 199
Prawns	61 461	77 096	66 677	51 797	100 976	94 166	114 384
Abalone	216 373	212 036	197 255	185 996	170 043	173 753	181 982
Scallop	29 508	15 423	15 347	10 792	13 576	10 674	11 698
Crab	13 801	13 440	10 961	8 155	5 534	7 948	7 614
Other	8 477	16 296	34 391	40 171	32 491	43 691	54 820
Total	729 302	703 562	711 342	744 175	912 914	1 021 464	1 063 697
<b>Total edible c</b>	987 081	990 346	1 000 719	1 002 341	1 138 348	1 292 656	1 418 323
<b>Quantity</b>	t	t	t	t	t	t	t
<b>Fish</b>							
Live <b>a</b>	990	880	930	832	910	775	800
Tuna	9 547	7 809	8 888	8 901	11 000	12 069	13 752
Salmonids <b>b</b>	4 033	6 378	5 750	2 584	1 817	4 955	8 038
Swordfish	447	428	509	455	443	478	554
Whiting	1 305	1 786	892	394	62	17	2
Other fish	5 376	5 466	5 056	4 657	4 377	5 257	19 239
Total fish <b>c</b>	21 698	22 747	22 025	17 822	18 608	23 551	42 385
<b>Crustaceans and molluscs</b>							
Rock lobster	7 729	7 017	6 916	7 819	7 966	8 203	7 987
Prawns	4 659	6 419	5 393	3 917	7 055	6 491	6 689
Abalone	3 639	3 424	3 149	2 818	2 742	2 578	2 615
Scallop	1 089	567	443	417	549	297	364
Crab	1 079	970	801	446	421	565	558
Other	1 004	1 220	1 735	2 064	1 562	1 576	1 457
Total	19 198	19 616	18 436	17 482	20 295	19 710	19 670
<b>Total edible c</b>	40 896	42 363	40 461	35 304	38 904	43 261	62 055

**a** Includes all species of live fish exports. **b** Predominantly salmon. Includes trout and salmon like products. **c** Excludes live tonnage but includes live value.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 92** Australian exports of fish, by product type and destination

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Tuna</b>							
Japan	112 284	126 991	157 921	158 408	125 404	138 868	138 515
New Zealand	1 335	969	1 036	1 059	3 748	3 992	5 446
Thailand	1 172	739	1 419	526	210	414	87
Other	3 703	2 689	2 326	2 643	6 177	7 719	19 207
Total	118 494	131 388	162 703	162 636	135 539	150 993	163 255
<b>Salmonids a</b>							
Japan	11 876	15 061	14 284	10 723	8 315	8 251	11 681
China	1 040	11 593	3 063	3 494	97	24 607	45 506
Indonesia	3 595	7 233	4 731	3 409	3 246	4 438	5 542
Other	13 130	20 550	19 701	7 776	5 738	10 846	17 207
Total	29 640	54 437	41 779	25 402	17 396	48 142	79 936
<b>Swordfish</b>							
Japan	3 461	3 894	2 836	2 644	1 674	1 265	1 659
United States	706	555	1 404	1 278	2 246	3 118	5 001
Other	14	15	0	8	1	20	244
Total	4 181	4 464	4 241	3 929	3 921	4 404	6 904
<b>Whiting</b>							
China	1 372	1 692	861	89	0	0	0
Thailand	1 928	2 961	1 253	894	187	49	0
Other	96	326	421	372	2	6	19
Total	3 396	4 979	2 535	1 355	189	56	19
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Tuna</b>							
Japan	8 310	7 012	7 982	8 169	8 239	9 588	10 256
New Zealand	202	172	192	157	2 011	1 468	1 631
Thailand	443	271	465	175	80	135	17
Other	593	354	249	399	669	877	1 848
Total	9 547	7 809	8 888	8 901	11 000	12 069	13 752
<b>Salmonids a</b>							
Japan	1 329	1 572	1 647	1 034	651	653	1 072
China	146	1 350	512	359	54	2 486	4 370
Indonesia	618	912	671	346	281	458	565
Other	1 941	2 545	2 921	846	831	1 358	2 031
Total	4 033	6 378	5 750	2 584	1 817	4 955	8 038
<b>Swordfish</b>							
Japan	374	369	339	311	192	159	148
United States	71	58	170	143	251	315	399
Other	2	2	0	1	0	4	7
Total	447	428	509	455	443	478	554
<b>Whiting</b>							
China	492	550	292	24	0	0	0
Thailand	777	1 112	451	266	62	16	0
Other	36	124	149	104	1	1	2
Total	1 305	1 786	892	394	62	17	2

a Predominantly salmon. Includes trout and salmon like products.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 93** Australian exports of crustaceans, by product type and destination

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Rock lobster</b>							
Hong Kong	305 848	225 966	290 886	151 663	64 337	45 231	53 359
China	54	69 442	12 032	7 450	4 593	1 105	10 168
Japan	28 743	18 835	17 284	13 575	7 976	3 621	4 641
United States	32 751	23 688	14 246	11 728	12 759	9 831	10 255
Vietnam	15	8	30 912	256 076	491 048	626 018	608 920
Other	32 271	31 332	21 350	6 771	9 579	5 426	5 856
Total	399 682	369 271	386 710	447 263	590 293	691 232	693 199
<b>Prawns</b>							
China	5 664	10 930	4 432	3 027	6 859	3 398	15 933
Hong Kong	9 605	11 223	8 469	5 259	12 927	15 649	25 626
Japan	31 406	33 350	29 048	22 355	23 295	17 668	28 989
Vietnam	2 873	6 352	15 070	6 386	33 652	31 884	14 521
Other	11 913	15 240	9 658	14 770	24 244	25 567	29 315
Total	61 461	77 096	66 677	51 797	100 976	94 166	114 384
<b>Crabs</b>							
China	4 268	5 550	4 760	4 210	2 034	1 772	1 822
Hong Kong	2 836	2 383	1 379	1 291	1 000	1 807	1 282
Taiwan	2 000	1 386	1 066	618	374	1 003	1 467
Other	4 697	4 121	3 757	2 036	2 126	3 364	3 042
Total	13 801	13 440	10 961	8 155	5 534	7 948	7 614
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Rock lobster</b>							
Hong Kong	5 573	4 061	5 214	2 747	955	633	745
China	1	1 355	201	125	69	14	119
Japan	776	499	424	320	179	72	107
United States	533	383	242	186	176	136	138
Vietnam	0	0	469	4 304	6 398	7 262	6 789
Other	846	719	366	139	189	85	88
Total	7 729	7 017	6 916	7 819	7 966	8 203	7 987
<b>Prawns</b>							
China	611	1 335	600	323	766	225	895
Hong Kong	866	883	784	373	777	1 029	1 421
Japan	3	30	24	27	43	19	50
Vietnam	234	691	1 525	493	2 287	2 059	1 031
Other	1 105	1 580	909	1 522	2 017	2 207	2 002
Total	4 659	6 419	5 393	3 917	7 055	6 491	6 689
<b>Crabs</b>							
China	167	260	239	180	172	125	127
Hong Kong	192	165	85	79	66	108	66
Taiwan	286	214	157	96	49	120	173
Other	434	331	320	90	134	212	193
Total	1 079	970	801	446	421	565	558

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 94** Australian exports of molluscs, by product type and destination

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Abalone</b>							
China	29 241	40 812	29 998	22 987	19 639	12 909	23 598
Hong Kong	131 590	111 084	101 590	94 877	67 520	73 874	84 253
Japan	21 730	22 599	25 189	22 303	21 071	17 211	15 116
Singapore	21 518	24 924	25 957	20 678	23 568	20 266	22 115
Other	12 294	12 616	14 521	25 151	38 244	49 493	36 901
Total	216 373	212 036	197 255	185 996	170 043	173 753	181 982
<b>Scallop</b>							
Hong Kong	18 644	8 540	8 254	7 246	8 252	5 006	3 547
Malaysia	1 608	1 170	529	681	498	253	61
Singapore	8 118	5 274	6 381	1 972	3 574	4 450	3 143
Other	1 138	439	184	894	1 253	966	4 948
Total	29 508	15 423	15 347	10 792	13 576	10 674	11 698
<b>Oysters</b>							
Hong Kong	1 189	1 870	3 974	5 510	4 227	2 808	2 970
China	609	680	744	773	953	1 074	573
Japan	514	688	747	496	461	605	480
Other	826	583	707	2 424	996	774	489
Total	3 138	3 821	6 172	9 203	6 637	5 261	4 512
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Abalone</b>							
China	501	741	547	405	385	208	355
Hong Kong	2 112	1 656	1 560	1 310	953	935	1 067
Japan	395	404	449	400	384	313	255
Singapore	419	416	363	303	342	309	363
Other	212	207	230	400	678	813	574
Total	3 639	3 424	3 149	2 818	2 742	2 578	2 615
<b>Scallop</b>							
Hong Kong	667	290	216	191	249	111	74
Malaysia	69	47	19	20	17	7	2
Singapore	293	197	202	55	99	108	64
Other	60	34	7	151	185	72	224
Total	1 089	567	443	417	549	297	364
<b>Oysters</b>							
Hong Kong	127	190	298	303	345	252	238
China	56	70	72	70	82	103	51
Japan	38	58	50	32	31	41	34
Other	100	68	56	89	97	82	46
Total	320	387	476	493	555	478	368

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra



**TABLE 95** Australian imports of edible fisheries products

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Value</b>	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Fish</b>							
Fresh or chilled							
Salmonids	6 308	9 775	3 874	7 161	7 887	10 323	11 747
Shark	4 236	3 189	3 085	3 555	3 883	3 855	3 310
Other	53 648	54 925	62 129	78 557	78 758	76 641	75 015
Frozen							
Hake	26 125	27 244	20 930	23 340	19 435	21 805	23 568
Salmonids	1 135	3 818	4 245	14 540	33 903	48 341	46 340
Other	242 818	231 426	228 975	227 597	247 811	281 155	290 818
Prepared or preserved fish <b>a</b>	359 203	385 523	406 100	466 535	519 180	504 273	507 769
Smoked, dried or salted fish	45 980	42 592	48 304	54 713	74 917	82 404	81 319
Other fish preparations <b>b</b>	9 993	9 230	10 972	18 008	19 123	25 804	32 774
<b>Total b</b>	749 446	767 722	788 615	894 006	1 004 896	1 054 602	1 072 661
<b>Crustaceans and molluscs</b>							
Frozen							
Prawns	158 448	147 683	203 266	190 089	338 699	280 441	266 167
Scallops	33 428	34 443	43 009	39 906	51 119	48 410	53 554
Squid and octopus	61 693	74 199	77 523	69 215	80 961	77 728	95 453
Other	35 458	40 967	45 764	51 140	71 173	82 020	86 713
Prepared or preserved <b>c</b>	190 468	191 942	197 685	166 776	217 742	209 701	202 013
Other preparations	14 723	14 294	17 863	16 322	16 582	14 176	16 121
<b>Total</b>	494 218	503 529	585 110	533 448	776 276	712 476	720 021
<b>Total edible b</b>	1 243 918	1 271 319	1 373 822	1 427 679	1 781 288	1 767 284	1 792 946
<b>Quantity</b>	t	t	t	t	t	t	t
<b>Fish</b>							
Fresh or chilled							
Salmonids	796	1 171	486	750	702	870	910
Shark	620	468	446	507	549	534	439
Other	7 534	7 473	9 076	12 541	11 628	10 110	9 473
Frozen							
Hake	5 432	6 662	5 256	6 103	4 507	4 925	5 122
Salmonids	87	292	379	1 256	2 401	3 528	3 192
Other	47 007	46 347	47 699	50 604	48 680	49 871	51 038
Prepared or preserved fish <b>a</b>	75 104	80 949	77 149	84 264	87 401	84 814	79 355
Smoked, dried or salted fish	3 553	3 574	3 825	4 350	4 788	5 031	4 800
Other fish preparations <b>b</b>	122	161	95	128	155	141	153
<b>Total b</b>	140 255	147 098	144 409	160 503	160 811	159 823	154 482
<b>Crustaceans and molluscs</b>							
Frozen							
Prawns	17 662	16 365	21 222	20 996	25 783	20 313	20 265
Scallops	2 794	2 591	2 904	3 011	3 271	2 762	2 510
Squid and octopus	15 909	15 183	15 083	15 482	17 758	17 355	18 216
Other	5 317	5 625	5 485	5 691	6 494	6 029	6 192
Prepared or preserved <b>c</b>	24 329	23 950	23 848	21 561	21 943	20 206	19 988
Other preparations	1 149	962	1 285	1 126	1 440	1 104	1 097
<b>Total</b>	67 160	64 677	69 827	67 867	76 689	67 769	68 267
<b>Total edible d</b>	207 439	211 779	214 244	228 391	237 511	227 612	222 778

**a** Predominantly canned. **b** Excludes live tonnage, includes live value. **c** Predominantly prawns. **d** Includes other edible fishery products not elsewhere included.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 96** Australian imports of fish, by preparation and source

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Fresh or chilled</b>							
Salmonids							
New Zealand	6 307	9 775	3 497	5 905	6 346	5 924	6 891
Other	719	2 818	1 709	4 013	13 082	19 780	13 087
Total	6 308	9 775	3 874	7 161	7 887	10 323	11 747
Shark							
New Zealand	4 236	3 163	3 078	3 555	3 881	3 855	3 310
Other	0	26	7	0	1	0	0
Total	4 236	3 189	3 085	3 555	3 883	3 855	3 310
<b>Frozen</b>							
Hake							
Namibia	5 865	6 179	4 357	5 200	5 061	6 173	6 566
New Zealand	5 629	6 326	6 189	5 114	4 653	6 185	8 157
South Africa	10 669	9 087	7 541	10 456	7 971	7 799	6 997
Other	3 962	5 652	2 843	2 570	1 750	1 648	1 847
Total	26 125	27 244	20 930	23 340	19 435	21 805	23 568
Salmonids							
Denmark	649	1 637	1 391	2 486	5 011	8 012	983
Norway	55	728	2 071	9 018	18 435	28 147	32 649
New Zealand	361	273	465	1 509	2 386	414	605
Other	719	2 818	1 709	4 013	13 082	19 780	13 087
Total	1 135	3 818	4 245	14 540	33 903	48 341	46 340
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Fresh or chilled</b>							
Salmonids							
New Zealand	796	1 171	457	647	598	487	572
Other	48	216	145	352	976	1 439	931
Total	796	1 171	486	750	702	870	910
Shark							
New Zealand	620	465	444	507	549	534	439
Other	0	4	1	0	0	0	0
Total	620	468	446	507	549	534	439
<b>Frozen</b>							
Hake							
Namibia	1 241	1 331	1 008	1 220	981	1 160	1 191
New Zealand	1 148	1 761	1 771	1 763	1 399	1 759	2 093
South Africa	1 743	1 647	1 396	1 975	1 388	1 385	1 182
Other	1 300	1 924	1 080	1 144	739	622	656
Total	5 432	6 662	5 256	6 103	4 507	4 925	5 122
Salmonids							
Denmark	38	108	110	216	351	537	63
Norway	3	47	197	773	1 235	2 065	2 214
New Zealand	36	30	37	132	190	25	47
Other	48	216	145	352	976	1 439	931
Total	87	292	379	1 256	2 401	3 528	3 192

Continued

**TABLE 96** Australian imports of fish, by preparation and source *continued*

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Prepared and preserved</b>							
<b>Tuna a</b>							
Indonesia	1 070	1 650	3 443	12 449	22 537	32 271	32 496
Thailand	160 058	193 838	194 205	234 548	263 242	238 757	231 540
Other	7 008	4 479	6 066	7 352	6 187	6 509	5 900
Total	168 136	199 967	203 714	254 349	291 966	277 537	269 937
<b>Salmonids</b>							
Thailand	12 518	10 228	13 313	13 087	14 683	14 731	17 861
United States	25 488	24 750	32 093	37 257	38 108	34 234	31 438
Other	13 907	14 621	11 444	8 572	11 842	13 944	11 660
Total	51 913	49 599	56 850	58 916	64 633	62 908	60 958
<b>Sardines</b>							
Canada	3 592	3 288	3 331	3 322	3 504	3 295	2 757
Poland	2 981	3 641	3 965	3 533	4 896	4 442	6 198
Thailand	4 696	5 604	3 933	4 717	4 815	5 377	7 576
Other	6 124	5 505	5 137	6 435	7 115	8 173	6 735
Total	17 393	18 039	16 366	18 008	20 329	21 287	23 266
<b>Smoked</b>							
<b>Salmonids</b>							
Denmark	15 680	11 931	17 683	27 341	37 523	47 011	43 622
Norway	8 812	7 917	7 887	8 930	14 137	18 633	18 681
Other	1 958	1 363	1 288	1 944	9 368	3 437	3 335
Total	26 450	21 210	26 859	38 216	61 027	69 082	65 638
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Prepared and preserved</b>							
<b>Tuna a</b>							
Indonesia	328	489	808	1 963	3 542	4 660	4 543
Thailand	38 030	44 228	38 497	43 096	45 048	42 569	38 806
Other	1 412	816	1 153	1 256	983	1 114	872
Total	39 770	45 533	40 458	46 315	49 573	48 344	44 221
<b>Salmonids</b>							
Thailand	1 678	1 313	1 628	1 686	1 866	2 758	2 309
United States	4 256	4 254	4 959	5 105	4 652	3 989	4 345
Other	1 504	1 753	1 191	897	1 468	1 382	1 129
Total	7 438	7 319	7 778	7 689	7 987	8 128	7 783
<b>Sardines</b>							
Canada	1 018	867	1 004	988	962	880	589
Poland	313	677	439	377	505	479	680
Thailand	1 443	1 829	1 274	1 348	1 174	1 349	1 627
Other	1 110	1 081	1 019	1 305	1 528	1 486	1 062
Total	3 884	4 454	3 735	4 018	4 169	4 194	3 957
<b>Smoked</b>							
<b>Salmonids</b>							
Denmark	849	624	961	1 544	1 848	2 398	2 010
Norway	525	464	519	603	800	1 052	1 035
Other	88	67	64	103	506	151	129
Total	1 462	1 155	1 544	2 250	3 153	3 601	3 174

a Predominantly canned.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 97** Australian imports of crustaceans, by preparation and destination

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Frozen</b>							
<b>Prawns</b>							
China	49 073	42 358	84 549	55 046	158 889	102 941	94 543
Thailand	38 526	37 991	42 148	51 227	44 732	61 283	59 527
Other	70 849	67 333	76 568	83 816	135 079	116 217	112 098
Total	158 448	147 683	203 266	190 089	338 699	280 441	266 167
<b>Lobsters</b>							
United States	2 538	4 837	4 710	3 332	4 013	4 775	4 507
Vietnam	1 823	2 359	2 021	1 835	1 638	701	1 743
Other	6 798	7 067	8 293	9 655	15 460	21 169	21 877
Total	11 158	14 263	15 023	14 822	21 112	26 645	28 127
<b>Crabs</b>							
Burma	2 042	2 391	2 837	4 113	6 886	9 034	7 621
Chile	309	1 006	2 393	1 828	2 453	3 149	1 045
Other	5 526	6 360	5 907	5 918	11 419	13 004	15 373
Total	7 877	9 757	11 137	11 860	20 758	25 187	24 040
<b>Prepared or preserved</b>							
<b>Prawns</b>							
China	30 584	30 081	26 676	19 413	40 025	24 317	20 427
Thailand	50 809	43 901	57 404	44 473	28 961	38 527	34 619
Vietnam	51 810	63 371	56 558	45 589	74 425	77 427	70 394
Other	6 321	4 987	5 979	4 509	11 476	8 827	7 471
Total	139 524	142 340	146 616	113 984	154 887	149 097	132 911
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Frozen</b>							
<b>Prawns</b>							
China	5 717	4 655	9 061	6 764	12 322	7 579	7 472
Thailand	5 009	5 000	5 153	5 867	3 684	4 321	4 223
Other	6 936	6 710	7 008	8 365	9 777	8 413	8 570
Total	17 662	16 365	21 222	20 996	25 783	20 313	20 265
<b>Lobsters</b>							
United States	157	285	212	186	174	147	135
Vietnam	142	163	163	127	103	41	97
Other	359	374	395	467	671	920	636
Total	658	821	770	780	948	1 108	868
<b>Crabs</b>							
Burma	241	296	356	400	458	600	500
Chile	26	72	148	112	144	138	46
Other	453	426	474	538	948	828	1 038
Total	720	794	979	1 051	1 550	1 566	1 584
<b>Prepared or preserved</b>							
<b>Prawns</b>							
China	4 159	3 924	3 496	2 558	3 319	1 936	1 911
Thailand	6 183	5 129	6 264	4 971	2 693	3 119	2 890
Vietnam	5 519	6 382	5 738	5 622	5 798	6 177	6 255
Other	870	705	738	558	998	740	526
Total	16 731	16 140	16 236	13 710	12 808	11 973	11 581

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 98** Australian imports of molluscs, by product type and source

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Frozen</b>							
<b>Mussels</b>							
New Zealand	9 242	9 733	8 083	8 775	9 079	9 477	9 315
Other	30	375	277	718	1 285	447	1 821
Total	9 272	10 108	8 360	9 493	10 364	9 923	11 137
<b>Scallops</b>							
China	14 466	16 482	17 578	22 332	19 694	29 750	31 165
Japan	9 472	8 120	10 080	7 765	13 160	7 026	10 794
Thailand	3 387	1 254	4 082	882	2 963	1 722	1 652
United States	1 768	4 577	3 741	4 819	4 018	2 771	2 454
Other	4 335	4 011	7 528	4 108	11 283	7 141	7 490
Total	33 428	34 443	43 009	39 906	51 119	48 410	53 554
<b>Squid and octopus</b>							
China	24 682	40 414	40 896	34 676	41 311	40 380	52 868
Malaysia	4 387	3 827	4 372	3 974	4 403	3 788	3 081
New Zealand	7 808	9 424	7 310	7 379	8 498	7 558	4 911
Taiwan	6 663	3 153	2 602	3 267	2 823	2 930	3 729
Thailand	8 975	8 380	9 748	9 577	10 205	10 044	12 714
Vietnam	3 559	2 724	5 230	2 988	3 720	3 373	3 479
Other	5 620	6 278	7 364	7 353	10 001	9 656	14 672
Total	61 693	74 199	77 523	69 215	80 961	77 728	95 453
<b>Quantity</b>							
	t	t	t	t	t	t	t
<b>Frozen</b>							
<b>Mussels</b>							
New Zealand	2 422	2 566	2 117	2 192	1 769	1 687	1 686
Other	10	55	80	205	331	106	364
Total	2 432	2 621	2 197	2 397	2 100	1 793	2 050
<b>Scallops</b>							
China	1 291	1 387	1 361	1 918	1 421	1 868	1 791
Japan	662	508	550	527	635	277	278
Thailand	379	162	362	80	229	175	133
United States	110	247	193	259	171	135	88
Other	352	287	438	227	815	306	219
Total	2 794	2 591	2 904	3 011	3 271	2 762	2 510
<b>Squid and octopus</b>							
China	6 400	7 965	8 164	8 677	9 842	10 125	11 152
Malaysia	1 295	923	852	754	799	633	606
New Zealand	1 960	1 982	1 377	1 711	2 250	1 894	1 031
Taiwan	1 592	532	474	648	699	805	848
Thailand	1 971	1 589	1 636	1 524	1 500	1 429	1 575
Vietnam	1 009	707	1 074	599	696	625	582
Other	1 683	1 485	1 507	1 568	1 972	1 844	2 422
Total	15 909	15 183	15 083	15 482	17 758	17 355	18 216

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 99** Australian exports and imports of non-edible fisheries products

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Value	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
<b>Exports</b>							
Non-edible							
Marine fats and oils	4 810	5 416	7 254	10 041	9 056	20 933	11 157
Fish meal	2 117	1 562	392	1 038	707	994	453
Pearls <b>a</b>	243 879	241 331	206 623	151 501	144 366	110 805	95 946
Ornamental fish	2 685	2 273	2 344	3 772	2 029	1 897	2 106
Other non-edible	5 483	7 282	9 437	6 495	9 746	12 337	13 797
Total	258 974	257 865	226 050	172 848	165 904	146 965	123 460
<b>Imports</b>							
Pearls <b>a</b>	170 841	166 945	138 229	105 367	102 081	97 208	144 399
Fish meal	51 897	46 660	34 236	43 295	43 208	64 309	61 689
Ornamental fish	4 604	3 886	3 743	3 980	4 509	4 388	4 884
Marine fats and oils	26 756	31 011	39 467	39 054	40 089	52 692	61 139
Other marine products	14 930	9 886	17 120	28 975	30 415	22 178	21 339
Total	269 028	258 389	232 795	220 671	220 302	240 775	293 450
<b>Quantity</b>	t	t	t	t	t	t	t
<b>Exports</b>							
Non-edible							
Marine fats and oils	na	na	na	na	na	na	na
Fish meal	na	na	na	na	na	na	na
Pearls <b>a</b>	na	na	na	na	na	na	na
Ornamental fish	na	na	na	na	na	na	na
Other non-edible	na	na	na	na	na	na	na
Total	na	na	na	na	na	na	na
<b>Imports</b>							
Pearls <b>a</b>	na	na	na	na	na	na	na
Fish meal	na	na	na	na	na	na	na
Ornamental fish	na	na	na	na	na	na	na
Marine fats and oils	na	na	na	na	na	na	na
Other marine products	na	na	na	na	na	na	na
Total	na	na	na	na	na	na	na

**a** Mainly re-imports. **na** Not available.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 100** 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	
	2013–14 '000	2014–15 '000	2013–14 \$m	2014–15 \$m	2013–14 \$m	2014–15 \$m	2013–14 \$m	2014–15 \$m
<b>Meat</b>								
Meat processing	35	37	1 754	1 887	15 713	19 274	3 597	4 354
Poultry processing	17	18	860	870	6 093	6 363	1 286	1 400
Bacon, ham and smallgoods	8	8	397	411	3 725	3 689	685	638
<b>Total meat</b>	<b>60</b>	<b>63</b>	<b>3 011</b>	<b>3 168</b>	<b>25 531</b>	<b>29 326</b>	<b>5 568</b>	<b>6 392</b>
<b>Dairy</b>								
Milk and cream processing	3	3	184	228	1 894	2 413	362	389
Ice cream	2	3	197	131	1 028	884	300	255
Other dairy products	13	12	964	998	10 649	10 420	1 719	1 380
<b>Total dairy</b>	<b>18</b>	<b>18</b>	<b>1 345</b>	<b>1 357</b>	<b>13 571</b>	<b>13 717</b>	<b>2 381</b>	<b>2 024</b>
<b>Fruit and vegetables</b>	<b>13</b>	<b>14</b>	<b>692</b>	<b>697</b>	<b>5 575</b>	<b>5 552</b>	<b>1 161</b>	<b>1 413</b>
<b>Oil and fat</b>	<b>1</b>	<b>2</b>	<b>99</b>	<b>106</b>	<b>1 626</b>	<b>1 766</b>	<b>201</b>	<b>232</b>
<b>Flour mill and cereal food</b>								
Flour mill products	3	4	301	296	3 273	3 451	564	647
Cereal food and baking mixes	5	6	329	334	2 388	2 474	669	669
<b>Total flour mill and cereal food</b>	<b>9</b>	<b>9</b>	<b>630</b>	<b>630</b>	<b>5 661</b>	<b>5 925</b>	<b>1 233</b>	<b>1 316</b>
<b>Bakery products</b>								
<b>Factory based</b>								
Bread	11	11	584	612	2 804	2 643	787	683
Cakes and pastry products	8	8	309	296	1 491	na	na	na
Biscuits	3	3	202	207	877	na	na	na
<b>Non factory based</b>								
Bakery products	43	45	979	1 019	3 438	3 212	1 387	1 343
<b>Total bakery products</b>	<b>66</b>	<b>68</b>	<b>2 074</b>	<b>2 134</b>	<b>8 610</b>	<b>8 157</b>	<b>3 044</b>	<b>2 858</b>
<b>Other food</b>								
Sugar	5	5	421	398	3 023	2 924	741	648
Confectionery	12	11	782	846	5 971	6 303	1 577	1 501
Seafood	3	3	101	92	1 222	1 282	186	247
<b>Food nec d</b>	<b>21</b>	<b>20</b>	<b>1 220</b>	<b>1 224</b>	<b>10 679</b>	<b>11 162</b>	<b>2 499</b>	<b>2 461</b>
<b>Total other food</b>	<b>40</b>	<b>39</b>	<b>2 524</b>	<b>2 560</b>	<b>20 896</b>	<b>21 670</b>	<b>5 002</b>	<b>4 857</b>
<b>Total food manufacturing</b>	<b>207</b>	<b>211</b>	<b>10 375</b>	<b>10 653</b>	<b>81 470</b>	<b>86 113</b>	<b>18 590</b>	<b>19 092</b>
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	9	8	579	633	5 715	5 690	1 981	1 946
Beer and malt	4	na	360	na	na	na	na	na
Wine	16	16	959	970	5 110	5 352	1 590	1 678
Spirits	na	na	na	na	na	na	na	na
<b>Total beverage and malt ef</b>	<b>29</b>	<b>25</b>	<b>1 898</b>	<b>1 603</b>	<b>10 825</b>	<b>11 042</b>	<b>3 571</b>	<b>3 624</b>
<b>Total food and beverages ef</b>	<b>237</b>	<b>236</b>	<b>12 273</b>	<b>12 256</b>	<b>92 295</b>	<b>97 155</b>	<b>22 161</b>	<b>22 716</b>

a Includes working proprietors. b Excludes drawings of working proprietors. c Previously turnover. d Includes prepared animal and bird feed.

e Excludes spirits for all years. f Excludes beer and malt for employment and wages and salaries in 2014–15; excludes beer and malt for sales and service income and industry value added for 2013–14 and 2014–15. na Not available. nec not elsewhere classified.

Sources: Australian Bureau of Statistics (ABS), *Australian Industry*, cat. no. 8155.0, Canberra; ABS, *Manufacturing Industry*, cat. no. 8221.0, Canberra

**TABLE 101** Value of Australian food exports, by level of transformation

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>							
<b>Live animals except fish</b>	924	924	787	564	999	1 434	1 544
<b>Fish or shellfish</b>	650	667	721	763	856	1 020	1 108
<b>Horticulture</b>							
Vegetables	150	166	152	152	159	173	226
Fruit and nuts	472	368	450	634	771	885	1 234
Total	622	534	602	785	930	1 057	1 460
<b>Grains a</b>	4 632	6 765	8 341	8 604	8 344	7 878	7 425
Oilseeds	657	973	1 555	2 340	2 134	1 449	1 194
<b>Food nec</b>	43	50	52	78	68	76	71
<b>Substantially transformed</b>							
<b>Meat</b>							
Meat processing	6 313	6 887	7 068	7 592	9 805	12 932	12 259
Poultry processing	36	38	45	43	50	56	53
Bacon, ham and smallgoods	54	57	87	104	112	161	148
Total	6 403	6 983	7 201	7 739	9 967	13 150	12 460
<b>Seafood</b>	338	324	281	240	284	274	312
<b>Dairy</b>							
Milk and cream processing	880	1 107	1 065	997	1 467	1 249	1 146
Ice cream	31	33	27	16	13	12	11
Other dairy products	1 155	1 182	1 173	1 185	1 217	1 178	1 132
Total	2 066	2 322	2 264	2 198	2 697	2 439	2 289
<b>Fruit and vegetables</b>	523	571	625	668	908	956	1 108
<b>Oil and fat</b>	289	293	317	326	338	342	388
<b>Flour mill and cereal food</b>							
Flour mill products	365	344	313	347	413	398	428
Cereal food and baking mixes	445	614	880	955	961	912	1 122
Total	811	958	1 193	1 302	1 373	1 310	1 550
<b>Bakery products</b>							
Bread, cakes and pastry products	26	22	22	26	28	24	26
Biscuits	135	134	129	118	124	129	126
Total	161	155	150	144	152	153	152
<b>Other food</b>							
Sugar a	1 924	1 479	1 600	1 474	1 423	1 682	1 974
Confectionery	260	252	240	207	261	264	282
<b>Food nec</b>	1 424	1 360	1 629	1 873	1 817	2 337	3 580
Total	3 607	3 091	3 469	3 554	3 501	4 283	5 836
<b>Beverages and malt</b>							
Soft drink, cordial and syrup	55	61	63	61	70	83	109
Beer and malt	406	318	372	378	390	400	374
Wine	2 188	2 009	1 910	1 867	1 847	1 983	2 184
Spirit	101	97	103	144	161	189	223
Total	2 750	2 485	2 447	2 450	2 468	2 655	2 891
<b>Total food and beverages</b>							
Minimally transformed	7 528	9 913	12 058	13 134	13 331	12 914	12 802
Substantially transformed	16 587	16 836	17 612	18 304	21 359	25 232	26 644
Elaborately transformed	362	346	335	316	329	331	340
Total	24 476	27 095	30 005	31 755	35 019	38 477	39 786

a Includes ABARES estimates where Australian Bureau of Statistics confidentiality restrictions apply.

nec not elsewhere classified.

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



**TABLE 102** Value of Australian food exports to selected regions

	Asia		European Union 28		NAFTA	
	2014–15	2015–16	2014–15	2015–16	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>						
Live animals except fish	1 073	1 112	0	0	2	13
Fish or shellfish	1 001	1 053	3	12	11	25
<b>Horticulture</b>						
Vegetables	92	135	14	15	2	2
Fruit and nuts	698	932	23	25	18	31
Total	791	1 067	37	40	20	33
<b>Grains a</b>	6 026	5 275	98	109	1	1
Oilseeds	679	188	554	981	32	8
Food nec	44	41	7	9	2	2
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	6 359	6 537	454	484	4 393	3 704
Poultry processing	21	22	0	0	0	0
Bacon, ham and smallgoods	111	99	0	0	0	25
Total	6 491	6 658	454	484	4 423	3 730
<b>Seafood</b>	232	249	7	14	19	24
<b>Dairy</b>						
Milk and cream processing	1 013	951	0	2	5	6
Ice cream	5	4	0	0	1	1
Other dairy products	936	930	5	3	50	53
Total	1 954	1 885	5	5	57	60
<b>Fruit and vegetables</b>	290	343	215	311	97	122
<b>Oil and fat</b>	197	132	18	23	26	11
<b>Flour mill and cereal food</b>						
Flour mill products	143	153	5	5	206	236
Cereal food and baking mixes	287	533	4	6	6	4
Total	430	686	10	11	212	240
<b>Bakery products</b>						
Bread, cakes and pastry products	8	8	0	0	0	0
Biscuits	21	27	2	2	8	12
Total	29	35	2	2	9	12
<b>Other food</b>						
Sugar a	1 560	1 793	0	0	60	117
Confectionery	100	108	3	3	11	12
Food nec	1 681	2 847	38	49	111	136
Total	3 341	4 748	41	52	182	266
<b>Beverages and malt</b>						
Soft drink, cordial and syrup	19	25	4	6	21	27
Beer and malt	342	335	0	0	0	0
Wine	623	790	582	574	642	677
Spirit	120	137	13	17	4	6
Total	1 104	1 287	599	597	666	710
<b>Total food and beverage</b>						
Minimally transformed	9 614	8 736	699	1 151	67	81
Substantially transformed	14 005	15 955	1 347	1 494	5 672	5 151
Elaborately transformed	65	67	4	4	19	23
Total	23 684	24 759	2 050	2 649	5 758	5 255

a Includes ABARES estimates where Australian Bureau of Statistics confidentiality restrictions apply. NAFTA North American Free Trade Agreement. nec not elsewhere classified.

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

**TABLE 103** Value of Australian food imports, by level of transformation

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>							
Live animals except fish	1	2	1	1	1	1	1
Fish or shellfish	72	73	67	72	74	70	68
<b>Horticulture</b>							
Vegetables	58	76	64	72	70	78	86
Fruit and nuts	262	245	290	285	404	447	439
Total	320	322	354	356	474	526	525
<b>Grains</b>	3	4	6	8	24	23	14
Oilseeds	36	36	41	46	54	67	68
<b>Food nec</b>	228	304	348	300	328	417	486
<b>Substantially transformed</b>							
<b>Meat</b>							
Meat processing	497	478	493	540	525	654	633
Poultry processing	0	0	0	0	0	0	0
Bacon, ham and smallgoods	82	90	112	119	169	190	205
Total	579	567	606	659	694	844	838
<b>Seafood</b>	1 201	1 231	1 348	1 400	1 750	1 752	1 793
<b>Dairy</b>							
Milk and cream processing	66	72	75	61	93	107	132
Ice cream	40	44	45	45	67	57	71
Other dairy products	510	578	635	585	762	786	850
Total	615	694	755	691	921	950	1 052
<b>Fruit and vegetables</b>	1 361	1 478	1 742	1 631	1 877	2 117	2 339
<b>Oil and fat</b>	485	517	516	522	576	601	713
<b>Flour mill and cereal food</b>							
Flour mill products	66	48	53	60	77	80	85
Cereal food and baking mixes	577	523	504	534	694	828	1 044
Total	643	572	557	594	772	908	1 129
<b>Bakery products</b>							
Bread, cakes and pastry products	191	222	242	281	343	369	424
Biscuits	178	191	206	229	271	271	307
Total	369	413	448	511	614	640	731
<b>Other food</b>							
Sugar	71	125	95	73	109	120	79
Confectionery	525	547	576	588	707	795	891
<b>Food nec</b>	1 396	1 460	1 583	1 745	1 996	2 198	2 722
Total	1 992	2 131	2 255	2 406	2 813	3 112	3 692
<b>Beverages and malt</b>							
Soft drink, cordial and syrup	798	818	898	928	950	1 046	1 035
Beer and malt	212	196	219	274	355	378	431
Wine	477	490	554	602	678	691	753
Spirit	538	544	571	568	595	583	666
Total	2 026	2 048	2 243	2 373	2 578	2 698	2 885
<b>Total food and beverages</b>							
Minimally transformed	660	741	818	784	954	1 103	1 163
Substantially transformed	8 836	9 205	9 989	10 272	11 952	12 929	14 346
Elaborately transformed	434	445	481	515	642	695	826
Total	9 930	10 391	11 288	11 571	13 548	14 726	16 334

**nec** not elsewhere classified.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 104** Value of Australian food imports from selected regions

	Asia		European Union 28		NAFTA	
	2014–15	2015–16	2014–15	2015–16	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	6	4	0	0	0	0
<b>Horticulture</b>						
Vegetables	28	38	5	5	26	25
Fruit and nuts	49	61	13	15	188	176
Total	77	99	18	20	214	201
<b>Grains</b>	3	2	0	0	2	1
Oilseeds	22	18	1	2	7	5
<b>Food nec</b>	151	161	12	26	8	8
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	0	0	362	343	274	264
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	10	16	11	11	46	47
Total	10	16	373	354	320	311
<b>Seafood</b>	1 250	1 269	111	109	75	77
<b>Dairy</b>						
Milk and cream processing	3	3	27	66	3	2
Ice cream	17	23	19	21	12	18
Other dairy products	9	12	237	294	148	133
Total	29	37	283	381	163	153
<b>Fruit and vegetables</b>	713	830	404	458	285	305
<b>Oil and fat</b>	352	392	139	168	28	57
<b>Flour mill and cereal food</b>						
Flour mill products	44	46	11	14	10	11
Cereal food and baking mix	435	440	134	180	47	52
Total	479	486	145	194	58	63
<b>Bakery products</b>						
Bread, cakes and pastry products	132	168	106	130	51	41
Biscuits	79	83	120	151	13	12
Total	212	251	226	281	63	53
<b>Other food</b>						
Sugar	56	51	4	4	3	3
Confectionery	167	182	316	378	114	137
<b>Food nec</b>	826	996	493	627	276	314
Total	1 048	1 228	812	1 010	394	454
<b>Beverages and malt</b>						
Soft drink, cordial and syrup	641	635	137	150	102	82
Beer and malt	37	52	117	127	197	217
Wine	1	3	333	394	4	5
Spirit	13	19	354	411	186	203
Total	692	710	941	1 083	489	508
<b>Total food and beverages</b>						
Minimally transformed	259	285	32	48	231	215
Substantially transformed	4 584	4 988	3 190	3 725	1 789	1 900
Elaborately transformed	200	232	245	313	87	81
Total	5 042	5 505	3 466	4 086	2 107	2 196

NAFTA North American Free Trade Agreement. **nec** not elsewhere classified.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

TABLE 105 Value of world food imports, by level of transformation a

	2011	2012	2013	2014	2015	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Minimally transformed</b>						
<b>Live animals except fish</b>	19 962	21 420	21 317	22 220	18 393	2
<b>Fish or shellfish</b>						
Fish, live or fresh	62 175	60 599	62 667	65 211	57 070	5
Fish, dried, salted or smoked	5 756	5 531	5 546	5 877	5 097	0
Shellfish	31 362	29 999	31 641	35 969	31 414	2
<b>Horticulture</b>						
Vegetables	58 551	57 848	64 588	64 322	60 442	5
Fruit and nuts	88 524	90 549	100 047	105 400	101 133	7
<b>Cocoa</b>	23 320	17 545	17 267	21 011	19 613	2
<b>Eggs, albumin</b>	4 129	4 727	5 068	5 245	4 937	0
<b>Grains and oilseeds</b>						
Barley	7 305	7 609	8 915	7 838	7 767	1
Maize	35 478	36 369	36 676	33 989	27 726	3
Oilseeds, not soft oil	2 380	2 501	2 858	3 227	3 109	0
Oilseeds, soft oil	72 818	78 430	83 457	87 745	72 086	6
Rice	21 207	20 479	19 070	20 999	16 564	2
Wheat or meslin	49 756	44 008	43 492	45 255	33 056	3
Other cereal grains <b>nec</b>	3 787	3 621	4 221	4 808	5 703	0
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	35 521	35 771	38 587	41 600	38 962	3
Meat, fresh, chilled or frozen	67 087	67 410	69 066	71 067	59 127	5
Meat or offal, preserved	4 382	4 269	4 594	4 785	4 104	0
Meat or offal, preserved <b>nec</b>	19 047	19 450	20 340	20 914	18 534	2
<b>Dairy</b>						
Milk products, excluding butter and cheese	40 870	39 687	45 620	49 701	32 615	3
Butter and cheese	7 687	6 500	7 731	8 401	6 171	1
Cheese and curd	27 658	27 714	31 115	32 044	25 859	2
<b>Fish or shellfish</b>	22 774	23 939	24 649	24 282	21 794	2
<b>Cereal products</b>						
Flour or meal from wheat or meslin	4 346	4 265	4 397	4 230	4 049	0
Cereal flour or meal <b>nec</b>	1 520	1 516	1 529	1 485	1 267	0
Cereal etc flour or starch	43 418	44 992	48 165	49 441	44 752	4
<b>Horticulture</b>						
Vegetables, prepared or preserved	25 646	25 479	27 301	28 446	25 792	2
Fruit, prepared or preserved	18 198	18 875	20 037	20 765	20 743	2
Fruit or vegetable juices	16 990	16 671	16 735	16 484	14 245	1
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	46 607	41 455	38 949	36 033	27 130	3
Sugar confectionery	9 370	9 607	10 435	10 673	9 522	1
Chocolate and cocoa preparations	22 484	23 014	25 223	27 017	24 408	2

Continued

**TABLE 105** Value of world food imports, by level of transformation <sup>a</sup> continued

	2011	2012	2013	2014	2015 <sup>p</sup>	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	5 355	5 286	5 096	5 089	4 221	0
Animal oil or fat	6 207	5 776	5 142	4 698	3 941	0
Vegetable oil or fat, fixed, soft	37 394	36 656	36 077	33 234	30 780	3
Vegetable oils, fixed, not soft	51 851	46 909	42 121	41 174	34 924	3
Animal or vegetable oils, processed	12 800	12 047	11 574	13 009	10 521	1
<b>Other food</b>						
Coffee and coffee substitutes	42 570	39 878	35 626	37 451	36 503	3
Tea and mate	7 216	7 287	7 771	7 731	6 661	1
Spices	7 538	6 927	7 324	8 598	8 492	1
Edible products <b>nec</b>	65 661	63 549	70 506	72 595	65 553	5
<b>Beverage</b>						
Beverages, non-alcoholic <b>nec</b>	17 478	17 947	19 077	20 267	19 236	1
Alcoholic beverages	74 262	75 890	79 539	80 118	73 212	6
Animal feed <sup>c</sup>	70 452	77 059	83 738	85 778	67 982	6
<b>Total</b>	<b>1 298 900</b>	<b>1 287 060</b>	<b>1 344 895</b>	<b>1 386 225</b>	<b>1 205 211</b>	<b>100</b>

<sup>a</sup> Based on around 175 reporting countries representing more than 95 per cent of world trade. <sup>b</sup> Average, 2011–2015.

<sup>c</sup> Excludes unmilled cereal. **nec** not elsewhere classified. <sup>p</sup> Preliminary.

Sources: ABARES; United Nations Statistics Division

**TABLE 106** Value of world trade in processed foods, by major exporting countries a

	2011	2012	2013	2014	2015 p	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Meat</b>						
Australia	7 365	7 462	8 367	10 456	9 891	6
Denmark	5 751	5 440	5 514	5 223	4 163	4
France	5 676	5 250	5 305	4 965	4 179	4
Netherlands	10 579	10 443	11 081	11 449	9 312	8
United States	16 670	17 538	17 972	19 409	16 028	13
Other	88 303	89 438	95 651	99 809	87 624	66
Total	134 345	135 572	143 889	151 311	131 196	100
<b>Dairy</b>						
Australia	2 241	2 245	2 225	2 310	1 800	3
France	8 395	7 924	8 536	9 030	7 076	10
Germany	10 806	10 040	11 702	12 097	8 830	13
Netherlands	8 458	7 633	9 193	9 354	7 142	10
New Zealand	9 437	9 285	11 043	12 100	8 109	12
Other	40 343	39 733	45 793	47 219	36 278	52
Total	79 682	76 861	88 492	92 111	69 235	100
<b>Seafood</b>						
Australia	74	60	56	42	43	0
China	5 984	6 801	6 908	6 793	6 248	25
Denmark	756	735	758	759	680	3
Korea, Rep. of	200	202	211	208	203	1
Thailand	5 042	5 205	4 810	4 286	3 663	18
Other	12 981	13 765	15 163	15 492	10 794	53
Total	25 038	26 767	27 904	27 582	21 631	100
<b>Horticulture</b>						
Australia	186	172	170	139	119	0
China	9 777	9 297	10 280	10 165	10 282	15
Italy	3 795	3 706	3 928	4 020	3 514	6
Netherlands	5 367	5 110	5 562	5 677	5 019	8
United States	4 937	5 315	5 673	5 811	6 035	8
Other	40 073	39 445	42 590	42 787	39 431	62
Total	64 134	63 044	68 202	68 600	64 399	100
<b>Beverages c</b>						
Australia	2 155	2 145	1 977	1 883	1 850	2
France	16 759	17 037	17 575	17 256	15 856	17
Germany	6 067	5 968	6 336	6 515	5 476	6
Italy	8 078	7 999	8 921	9 077	8 091	9
United Kingdom	10 986	10 745	10 853	10 695	9 648	11
Other	49 223	52 461	56 830	57 724	53 553	55
Total	93 267	96 354	102 491	103 151	94 474	100
<b>Sugar and confectionery</b>						
Australia	546	487	450	407	380	1
Belgium-Luxembourg	3 920	3 924	4 418	4 393	3 918	6
Brazil	15 360	13 020	12 187	9 827	7 955	16
France	3 763	3 758	3 518	3 418	3 620	5
Germany	6 413	6 616	7 058	7 637	6 421	9
Other	47 182	48 734	50 709	49 636	43 184	64
Total	77 184	76 540	78 339	75 319	65 479	100

Continued

**TABLE 106** Value of world trade in processed foods, major exporting countries <sup>a</sup> continued

	2011	2012	2013	2014	2015 p	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Argentina	6 882	5 975	5 222	4 341	4 734	5
Australia	787	686	722	671	562	1
Malaysia	24 362	20 831	17 140	17 254	13 749	19
Netherlands	7 062	6 689	6 899	5 769	4 707	6
United States	5 238	4 884	4 022	3 663	3 387	4
Other	71 337	73 101	69 519	69 494	41 355	65
Total	115 668	112 166	103 523	101 193	68 494	100
<b>Animal feed <sup>d</sup></b>						
Argentina	10 447	10 979	12 040	12 852	10 655	15
Australia	1 110	1 227	1 076	943	873	1
Brazil	5 988	6 902	7 141	7 363	6 172	9
Netherlands	6 031	5 873	6 610	6 510	5 218	8
United States	9 654	11 280	13 218	13 235	12 597	16
Other	33 570	38 685	43 078	43 661	36 664	51
Total	66 799	74 946	83 163	84 564	72 180	100
<b>Cereal products</b>						
Australia	707	738	719	674	597	1
Belgium–Luxembourg	3 447	3 494	4 143	3 900	3 378	7
France	4 024	3 972	4 280	4 160	3 552	7
Germany	5 643	5 707	6 187	6 334	5 492	11
Italy	4 370	4 360	4 688	4 811	4 343	8
Other	33 633	34 640	37 252	38 628	35 574	66
Total	51 824	52 911	57 269	58 507	52 934	100
<b>Other processed food</b>						
Australia	910	919	1 032	994	1 348	1
Brazil	9 529	7 265	6 258	7 713	7 228	6
France	4 437	4 404	5 078	5 249	4 776	4
Netherlands	6 981	6 947	7 848	9 047	8 009	6
United States	8 150	9 073	9 851	10 209	10 134	8
Other	88 043	88 573	93 144	98 668	83 373	75
Total	118 050	117 182	123 211	131 881	114 869	100
<b>All processed food</b>						
Australia	16 080	16 141	16 792	18 518	17 461	2
France	51 202	49 803	52 008	51 731	45 762	6
Germany	62 615	62 598	67 184	68 170	56 486	8
Netherlands	54 633	52 975	58 588	59 761	49 837	7
United States	60 289	65 144	69 980	72 150	66 051	8
Other	581 173	585 683	611 930	623 887	519 294	70
Total	825 992	832 343	876 483	894 217	754 890	100

<sup>a</sup> Based on around 175 reporting countries representing more than 95 per cent of world trade. <sup>b</sup> Average, 2011–2015.

<sup>c</sup> Alcoholic and non-alcoholic. <sup>d</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Sources: ABARES; United Nations Statistics Division

**TABLE 107** Value of world trade in processed foods, by major importing countries a

	2011	2012	2013	2014	2015 p	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Meat</b>						
Australia	571	641	604	657	610	0
Germany	9 300	8 986	9 222	9 181	7 392	7
Italy	6 629	6 143	6 377	6 364	5 169	5
Japan	13 416	13 299	11 973	12 641	11 428	10
United Kingdom	9 658	8 885	9 193	9 865	8 985	7
Other	86 463	88 945	95 218	99 657	87 143	71
Total	126 037	126 899	132 587	138 365	120 727	100
<b>Dairy</b>						
Australia	683	649	706	794	706	1
Belgium–Luxembourg	3 999	3 570	4 386	4 250	3 123	5
Germany	7 500	6 816	7 636	8 056	6 361	9
Italy	5 339	4 577	5 260	5 205	3 846	6
Netherlands	4 070	3 930	4 412	4 326	3 524	5
Other	54 623	54 360	62 067	67 514	47 084	73
Total	76 215	73 901	84 466	90 146	64 644	100
<b>Seafood</b>						
Australia	602	642	668	656	546	3
France	1 325	1 277	1 456	1 421	1 214	6
Japan	3 391	3 600	3 157	2 961	2 775	14
United Kingdom	1 605	1 539	1 652	1 605	1 516	7
United States	3 957	4 039	4 057	4 408	4 095	18
Other	11 895	12 842	13 658	13 231	11 650	54
Total	22 774	23 939	24 649	24 282	21 794	100
<b>Horticulture</b>						
Australia	1 034	1 012	1 020	1 075	1 012	2
France	4 782	4 606	4 893	5 003	4 560	8
Germany	6 462	6 231	6 257	6 387	5 714	10
Japan	4 329	4 654	4 374	4 120	3 838	7
United States	7 793	8 266	8 300	8 582	9 027	13
Other	36 434	36 255	39 230	40 529	36 629	61
Total	60 833	61 026	64 073	65 695	60 780	100
<b>Beverages c</b>						
Australia	1 589	1 750	1 859	1 832	1 687	2
Germany	6 926	6 662	7 267	7 158	5 934	7
Japan	3 018	3 210	3 105	3 080	2 849	3
United Kingdom	9 044	7 958	8 207	8 589	7 847	9
United States	17 612	18 663	19 472	20 387	21 457	20
Other	53 551	55 595	58 706	59 341	52 674	59
Total	91 740	93 838	98 616	100 386	92 448	100
<b>Sugar and confectionery</b>						
Australia	795	779	811	887	870	1
France	3 271	3 054	3 245	3 404	3 151	4
Germany	4 256	4 375	4 698	4 999	4 349	6
United Kingdom	3 890	3 698	4 125	4 399	3 836	6
United States	7 391	7 082	6 683	7 079	7 311	10
Other	58 859	55 087	55 046	52 955	41 544	73
Total	78 461	74 076	74 607	73 723	61 061	100

Continued



**TABLE 107** Value of world trade in processed foods, by major importing countries <sup>a</sup> continued

	2011	2012	2013	2014	2015	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Australia	620	625	564	599	539	1
Germany	6 138	4 945	5 162	4 988	4 198	5
Italy	4 450	4 000	4 221	4 887	4 408	4
United Kingdom	2 711	2 470	2 391	2 270	1 921	2
United States	7 047	6 453	6 362	6 475	6 359	7
Other	92 642	88 181	81 311	77 985	66 960	81
Total	113 607	106 673	100 011	97 204	84 386	100
<b>Animal feed <sup>d</sup></b>						
Australia	565	656	710	727	644	1
China	3 209	3 232	3 959	4 373	4 969	5
France	3 190	3 337	3 614	3 574	3 269	4
Germany	4 062	4 477	4 610	4 558	3 774	6
Japan	4 096	4 373	4 153	4 027	3 455	5
Other	55 330	60 984	66 692	68 520	51 870	79
Total	70 452	77 059	83 738	85 778	67 982	100
<b>Cereal products</b>						
Australia	658	727	814	825	792	1
France	3 229	3 175	3 438	3 423	3 261	6
Germany	3 186	3 142	3 478	3 568	3 204	6
United Kingdom	2 768	2 933	3 210	3 445	3 305	6
United States	5 257	5 549	5 817	6 166	6 520	11
Other	34 188	35 248	37 334	37 729	32 986	68
Total	49 284	50 773	54 091	55 156	50 068	100
<b>Other processed food</b>						
Australia	2 459	2 656	2 704	2 822	2 762	2
France	5 651	5 507	6 014	6 230	6 005	5
Germany	9 285	8 786	8 183	8 940	7 834	7
Japan	4 998	4 682	4 421	4 300	4 148	4
United States	13 828	13 105	12 187	12 913	13 253	11
Other	86 764	82 905	87 717	91 170	83 209	71
Total	122 985	117 640	121 227	126 375	117 210	100
<b>All processed food</b>						
Australia	9 574	10 136	10 461	10 873	10 168	1
Germany	58 234	55 551	57 770	59 052	49 851	7
Japan	40 132	40 443	37 274	37 405	34 068	5
United Kingdom	46 313	43 515	46 268	48 352	44 326	6
United States	72 564	74 091	74 363	80 356	83 369	9
Other	585 572	582 088	611 929	621 072	519 318	72
Total	812 389	805 824	838 065	857 110	741 101	100

<sup>a</sup> Based on around 175 reporting countries representing more than 95 per cent of world trade. <sup>b</sup> Average, 2011–2015.

<sup>c</sup> Alcoholic and non-alcoholic. <sup>d</sup> Excludes unmilled cereal. <sup>p</sup> Preliminary.

Source: United Nations Statistics Division

**TABLE 108** Logs harvested and estimated logs consumed <sup>a</sup>

	Logs harvested			Apparent consumption <sup>b</sup>			Apparent consumption per person <sup>b</sup> m <sup>3</sup>
	Hardwood	Softwood	Total	Hardwood	Softwood	Total	
	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	
1971–72	8 988	2 673	11 661	na	na	na	na
1972–73	9 778	2 808	12 586	na	na	na	na
1973–74	11 063	2 636	13 699	na	na	na	na
1974–75	10 921	2 850	13 771	na	na	na	na
1975–76	9 995	2 877	12 872	na	na	na	na
1976–77	11 331	3 078	14 409	na	na	na	na
1977–78	11 259	3 282	14 541	na	na	na	na
1978–79	10 595	3 381	13 976	na	na	na	na
1979–80	11 720	3 866	15 586	na	na	na	na
1980–81	11 464	4 447	15 911	na	na	na	na
1981–82	10 348	4 524	14 872	na	na	na	na
1982–83	9 217	4 442	13 659	na	na	na	na
1983–84	10 537	4 689	15 226	na	na	na	na
1984–85	10 919	5 768	16 687	na	na	na	na
1985–86	10 949	5 958	16 907	na	na	na	na
1986–87	11 222	5 516	16 738	na	na	na	na
1987–88	11 162	5 686	16 848	na	na	na	na
1988–89	11 475	6 153	17 628	na	na	na	na
1989–90	10 534	7 030	17 564	na	na	na	na
1990–91	10 037	6 553	16 590	7 295	10 889	18 184	1.05
1991–92	9 512	7 141	16 653	7 235	11 214	18 449	1.06
1992–93	9 801	7 866	17 667	7 610	11 842	19 452	1.10
1993–94	9 793	8 969	18 762	7 575	12 382	19 957	1.12
1994–95	10 857	8 703	19 560	8 612	12 118	20 730	1.15
1995–96	9 920	9 305	19 225	7 552	11 403	18 955	1.04
1996–97	9 437	10 640	20 077	6 601	12 263	18 864	1.02
1997–98	10 143	11 016	21 158	6 636	12 589	19 225	1.03
1998–99	9 878	10 960	20 838	6 441	12 539	18 980	1.01
1999–2000	11 933	12 475	24 408	6 688	14 280	20 968	1.10
2000–01	11 777	12 697	24 474	5 968	13 445	19 414	1.01
2001–02	10 940	13 356	24 296	5 973	14 173	20 146	1.03
2002–03	11 908	13 911	25 819	6 161	15 483	21 644	1.10
2003–04	11 909	14 589	26 498	6 403	15 948	22 351	1.12
2004–05	12 803	14 196	26 998	6 379	15 564	21 943	1.09
2005–06	12 355	14 379	26 734	6 061	15 264	21 325	1.04
2006–07	12 602	14 590	27 192	6 036	15 059	21 095	1.01
2007–08	13 211	15 157	28 368	6 053	16 666	22 720	1.07
2008–09	12 485	13 314	25 799	5 171	14 556	19 727	0.91
2009–10	11 144	14 418	25 563	4 956	15 784	20 739	0.94
2010–11	11 551	14 981	26 532	4 723	16 044	20 767	0.93
2011–12	9 548	13 949	23 497	4 790	14 801	19 591	0.86
2012–13	9 029	13 551	22 580	4 529	14 379	18 908	0.82
2013–14	10 899	14 367	25 266	4 126	14 948	19 074	0.81
2014–15	12 356	14 999	27 355	3 979	15 826	19 805	0.83

<sup>a</sup> Expressed in gross roundwood equivalent (GRWE) logs. <sup>b</sup> Log consumption estimates are calculated as logs harvested plus estimated log equivalent of imported primary wood products less log equivalent of exported primary wood products. The figures exclude non-log fibre inputs into production, such as recovered paper. Excludes firewood, paper manufactures and secondary wood products (such as furniture). **na** Not available.

Sources: ABARES; Australian Bureau of Statistics; state and territory forest services; forest industry associations; private industry

**TABLE 109** Land areas, by forest vegetation cover, 2011 a

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
Closed forest	509	249	1 740	0.0	42	640	630	0.0	3 810
(% of land area)	0.6	1.1	1.0	0.0	0.0	9.4	0.5	0.0	0.5
Open forest	9 797	4 669	8 962	255	2 160	1 357	6 640	87	33 927
(% of land area)	12.2	20.5	5.2	0.3	0.9	19.8	4.9	35.8	4.4
Woodland	10 449	2 809	38 656	4 122	16 464	1 353	7 797	38	81 688
(% of land area)	13.1	12.4	22.3	4.2	6.5	19.8	5.8	15.6	10.6
Unknown	1 526	0.0	1 424	0.0	86	11	102	4	3 158
(% of land area)	1.9	0.0	0.8	0.0	0.0	0.2	0.1	1.6	0.4
Plantation c	390	433	234	189	392	311	45	8	2 000
(% of land area)	0.5	1.9	0.1	0.2	0.2	4.5	0.0	3.2	0.3
Other forest d	8	30	22	0.0	57	33	5	1	153
(% of land area)	0.0	0.1	0.0	0.0	0.0	0.5	0.0	0.4	0.0
Total forest									
vegetation cover	22 679	8 190	51 038	4 566	19 201	3 705	15 219	138	124 736
(% of land area)	28.3	36.0	29.5	4.6	7.6	54.2	11.3	56.7	16.2
<b>Total land area b</b>	<b>80 064</b>	<b>22 742</b>	<b>173 065</b>	<b>98 348</b>	<b>252 988</b>	<b>6 840</b>	<b>134 913</b>	<b>243</b>	<b>769 203</b>

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 149 million hectares in 2008 to 125 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 2013. b Totals may not tally exactly because of rounding. c Includes commercial plantation data as at June 2015. d Other forest includes non-commercial plantations, including sandalwood, environmental plantings and plantations within reserve system.

Sources: Montreal Process Implementation Group for Australia and National Forest Inventory Steering Committee, 2013, *Australia's State of the Forests Report 2013*; National Forest Inventory, ABARES, Canberra; *Australian plantation statistics 2015 update*, ABARES, Canberra

**TABLE 110** Australian prices of selected forest products

	Used in manufacturing a			Produced by manufacturers b			
	Timber, board and joinery c	Log sawmilling d	Pulp and paper products e	Log sawmilling	Paper and paper products e	Hardwood chips f	Softwood chips f
1984–85	43.4	na	na	30.5	59.8	na	na
1985–86	46.8	na	na	32.6	63.3	na	na
1986–87	49.0	na	na	33.9	69.3	na	na
1987–88	52.0	na	na	35.2	76.2	na	na
1988–89	57.8	na	na	39.3	79.5	144.00	101.83
1989–90	61.9	na	na	42.7	82.0	147.03	115.34
1990–91	63.1	na	na	44.5	84.7	147.89	126.74
1991–92	61.9	na	na	44.7	86.1	150.90	149.32
1992–93	64.2	na	na	48.0	86.1	148.34	149.22
1993–94	71.5	na	na	53.0	84.8	149.90	137.75
1994–95	73.5	na	na	56.2	91.0	152.76	140.65
1995–96	72.1	na	na	56.2	102.3	160.46	167.50
1996–97	72.0	59.1	101.3	55.6	89.0	161.98	138.58
1997–98	73.5	68.2	105.8	56.4	83.5	151.58	144.16
1998–99	74.7	67.5	112.6	57.7	86.4	152.02	147.52
1999–2000	78.7	73.3	113.9	61.7	87.2	140.36	137.00
2000–01	82.5	91.1	129.7	64.9	92.6	146.27	158.39
2001–02	83.3	95.6	126.9	66.0	92.4	149.34	157.57
2002–03	85.5	70.8	116.3	69.2	93.6	150.81	138.71
2003–04	87.7	61.1	106.4	74.2	89.0	156.93	128.15
2004–05	89.2	66.1	101.5	78.0	85.7	158.40	132.56
2005–06	89.5	71.5	102.8	80.3	85.5	160.53	138.35
2006–07	90.7	77.0	105.8	87.9	87.5	162.87	144.97
2007–08	95.0	78.5	101.8	91.9	87.3	175.80	165.40
2008–09	99.1	104.9	107.0	97.9	88.9	188.17	196.43
2009–10	99.6	99.7	100.5	97.7	98.6	181.01	161.53
2010–11	101.7	100.8	99.2	99.2	104.8	179.04	150.73
2011–12	100.0	100.0	100.0	100.0	100.0	180.30	155.95
2012–13	100.1	98.2	100.0	100.9	96.6	166.54	134.15
2013–14	102.6	107.8	101.8	102.3	98.3	163.06	143.59
2014–15	107.1	118.3	103.1	107.2	96.3	167.62	163.18
2015–16	110.8	125.0	109.1	112.6	95.7	179.08	194.49

**a** Price indexes of materials used in house building and manufacturing industries; base 2011–12 = 100. **b** Price indexes of articles produced by manufacturing industries; base 2011–12 = 100. **c** Price index of materials used in house building; base 2011–12 = 100. **d** Includes log sawmilling and timber dressing. **e** Includes pulp and converted paper products. **f** Average unit fob value of Australian exports in bone dry tonnes. **na** Not available.

Note: Excludes non-wood forest products.

Sources: ABARES; Australian Bureau of Statistics (ABS), *International Trade*, cat. no. 5465.0, Canberra; ABS, *Producer Price Indexes*, cat. no. 6427.0, Canberra; URS, *Timber Market Survey* (various issues), Sydney; Wood Resources International, *Wood Resource Quarterly*, Seattle, United States of America

**TABLE 111** Sales and service income in forest product industries <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>ANZSIC 2006 group and class <sup>b</sup></b>							
<b>Forestry <sup>c</sup></b>	3 189	3 495	3 163	3 027	2 855	3 421	3 644 <sup>d</sup>
<b>Wood and wood products</b>							
<b>Log sawmilling and timber dressing</b>							
Log sawmilling	1 441	1 321	1 284	1 127	na	na	1 591
Wood chipping	875	628	688	515	na	na	236
Timber resawing and dressing	2 479	2 744	2 466	2 245	1 974	1 795	1 900
Total	4 795	4 693	4 438	3 886	3 393	3 288	3 727
<b>Other wood product manufacturing</b>							
Prefabricated wooden building	166	207	316	195	168	219	205
Wooden structural fitting and component	5 124	5 376	5 866	5 353	4 620	4 640	5 717
Veneer and plywood	442	468	413	386	359	402	309
Reconstituted wood product	1 085	1 062	1 206	1 054	896	975	1 155
Other wood products <sup>ne</sup> c	888	885	909	828	787	741	928
Total	7 704	7 999	8 710	7 817	6 829	6 978	8 314
<b>Total wood products</b>	12 513 <sup>e</sup>	12 665	13 148	11 703	10 223	10 265	12 041
<b>Paper and paper products</b>							
Pulp, paper and paperboard	2 584	2 429	3 108	2 217	3 061	3 168	2 941
Corrugated paperboard and paperboard container	3 033	3 306	3 593	3 705	2 801	2 904	3 409
Paper bag	228	167	185	185	192	145	139
Paper stationary	682	704	973	822	865	847	783
Sanitary paper product	2 235	2 237	2 389	2 297	2 267	2 173	2 209
Other converted paper product	779	815	653	460 <sup>d</sup>	707	551	647
Total	9 542 <sup>e</sup>	9 609	10 901	9 685	9 892	9 788	10 128
<b>Total forest product industries</b>	22 055	22 274	24 049	21 388	20 115	20 053	22 169
<b>Total manufacturing</b>	410 430	378 793	389 181	399 232	387 545	385 652	377 749
Forest product industries							
% of total manufacturing	5.4	5.9	6.2	5.4	5.2	5.2	5.9

<sup>a</sup> Sales and service income is defined as follows: sales of goods whether or not manufactured by the business, exclusive of goods and services tax (GST). See Australian Bureau of Statistics publication Explanatory Notes for full details. <sup>b</sup> 2006–07 classification is based on the 2006 edition of ANZSIC. Because of the combined effect of this new classification and methodological changes, new series that commenced with the 2006–07 data and are not directly comparable with previous years. See Australian Bureau of Statistics publication Explanatory Notes for full details. <sup>c</sup> Excludes forestry support services which are included in the category total agriculture, forestry and fishing support services. <sup>d</sup> Estimate has a relative standard error of 10 per cent to less than 25 per cent and should be used with caution. <sup>e</sup> Total does not add to components due to Australian Bureau of Statistics update of total only. <sup>na</sup> Not available.

Sources: Australian Bureau of Statistics (ABS), *Australian Industry*, cat. no. 8155.0, Canberra; ABS, *Experimental Estimates for the Manufacturing Industry*, 2006–07, 2007–08 and 2008–09, cat. no. 8159.0, Canberra

**TABLE 112** Employment in forest product industries <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	'000	'000	'000	'000	'000	'000	'000
<b>Forestry</b>							
Forestry and logging	6.8	5.3	7.9	6.4	6.0	5.3	6.4
Forestry support services	4.0	3.2	3.4	3.2	2.9	3.1	3.3
<b>Total</b>	10.7	8.5	11.3	9.6	8.9	8.4	9.6
<b>Total agriculture, forestry and fishing</b>	350.9	337.3	320.8	301.2	311.3	317.6	321.6
% forestry and logging	3.1	2.5	3.5	3.2	2.9	2.6	3.0
<b>Total wood manufacturing industry</b>							
Log sawmilling and timber dressing	11.6	12.1	9.5	11.3	10.6	8.4	7.9
Other wood product manufacturing	33.4	24.4	28.9	25.8	37.3	34.3	34.0
Paper and paper products	18.3	19.1	15.2	14.7	13.5	13.2	12.8
Total	63.3	55.6	53.5	51.7	61.4	55.9	54.6
<b>Total manufacturing industries</b>	987.1	970.5	938.3	934.1	926.4	913.3	877.4
% wood manufacturing industry	6.4	5.7	5.7	5.5	6.6	6.1	6.2
<b>Total forestry, logging and wood manufacturing</b>	74.0	64.0	64.8	61.3	70.3	64.3	64.3
<b>Total employment</b>	10 842.9	11 111.3	11 246.5	11 381.2	11 448.3	11 652.7	11 880.9
% total forestry, logging and wood manufacturing	0.7	0.6	0.6	0.5	0.6	0.6	0.5

<sup>a</sup> Labour force employment estimates based on ANZSIC 2006, annual data are the average of the total employment (full-time and part-time) quarterly survey numbers.

Note: Australian Bureau of Statistics advises caution using employment statistics at the ANZSIC subdivision and group levels because estimates may be subject to sampling variability and standard errors too high for most practical purposes.

Source: Australian Bureau of Statistics, *Labour Force, Australia, Detailed, Quarterly - Electronic Delivery*, cat. no. 6291.0.55.003, Canberra

TABLE 113 Value of Australian wood products trade a

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Imports</b>							
<b>Roundwood</b>	0.4	0.6	0.7	0.9	0.8	0.6	1.7
<b>Sawnwood</b>							
Softwood roughsawn	140.3	134.6	104.9	100.1	110.7	127.7	111.9
Softwood dressed	199.9	247.7	247.8	246.1	281.2	381.9	360.5
Hardwood roughsawn	39.4	40.1	44.3	41.5	45.7	57.2	55.1
Hardwood dressed	49.6	50.3	50.8	35.0	30.8	34.3	27.7
Total	429.2	472.8	447.8	422.7	468.5	601.0	555.2
<b>Miscellaneous forest products b</b>	630.1	706.5	755.6	768.8	946.3	1 102.0	1 303.7
<b>Wood-based panels</b>							
Veneer	21.7	20.9	20.8	19.1	15.4	22.4	23.6
Plywood	137.7	170.3	182.7	183.6	209.9	264.0	300.2
Particleboard	18.3	20.9	26.1	26.9	35.5	37.8	41.0
Hardboard	30.4	39.7	53.9	47.5	71.6	67.0	69.2
Medium density fibreboard	37.1	34.5	36.3	32.3	35.2	45.3	51.3
Softboard and other fibreboard	2.9	3.0	3.2	2.1	2.7	3.0	4.0
Total	248.1	289.3	322.9	311.5	370.3	439.3	489.3
<b>Paper and paperboard</b>							
Newsprint	158.0	175.7	90.6	57.9	48.9	48.3	43.6
Printing and writing	1 354.9	1 347.4	1 216.6	1 151.0	1 193.8	1 122.6	1 036.4
Household and sanitary	163.5	185.2	186.7	244.1	208.2	254.0	305.3
Packaging and industrial	498.8	515.0	542.8	590.1	653.8	727.9	845.1
Total	2 175.1	2 223.2	2 036.8	2 043.1	2 104.8	2 152.8	2 230.5
<b>Paper manufactures b</b>	562.8	556.6	486.2	446.1	536.8	581.9	661.9
<b>Recovered paper</b>	0.6	0.4	0.7	0.9	2.0	1.3	0.3
<b>Pulp</b>	177.8	180.3	164.1	154.4	203.3	216.7	221.8
<b>Woodchips</b>	1.2	1.8	2.0	2.7	3.2	3.2	3.9
<b>Total</b>	4 225.4	4 431.5	4 216.8	4 151.0	4 635.9	5 098.9	5 468.3

Continued

**TABLE 113** Value of Australian wood products trade <sup>a</sup> continued

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Exports</b>							
<b>Roundwood</b>	137.8	197.6	175.1	154.7	292.4	312.8	437.8
<b>Sawnwood</b>							
Softwood roughsawn	76.1	67.2	54.8	61.4	75.2	74.1	67.6
Softwood dressed	7.0	4.5	3.2	2.4	2.9	11.2	7.4
Hardwood roughsawn	32.9	33.6	23.3	19.6	22.5	19.9	17.1
Hardwood dressed	9.5	9.6	6.9	6.4	7.2	4.5	11.0
Total	125.5	114.9	88.2	89.9	107.9	109.8	103.0
<b>Railway sleepers</b>	2.5	3.0	2.8	2.9	2.5	1.9	1.7
<b>Miscellaneous forest products <sup>b</sup></b>	52.2	59.7	59.2	60.9	71.0	75.2	109.6
<b>Wood-based panels</b>							
Veneers	44.3	52.1	50.6	24.5	29.0	26.9	24.1
Plywood	2.6	1.7	2.2	4.1	2.9	2.9	4.2
Particleboard	3.8	2.4	1.4	1.4	1.4	1.6	2.3
Hardboard <sup>d</sup>	1.3	2.1	1.8	2.1	2.0	2.4	7.0
Medium density fibreboard	53.7	39.4	26.3	18.5	25.7	27.3	27.9
Softboard and other fibreboards	0.6	0.6	0.7	0.2	0.4	6.3	1.1
Total	106.3	98.3	83.0	50.8	61.5	67.3	66.5
<b>Paper and paperboard</b>							
Newsprint	5.7	13.3	15.5	36.2	59.1	38.9	33.4
Printing and writing	142.8	88.4	119.8	117.0	139.3	145.6	128.5
Household and sanitary	96.8	94.0	63.7	32.8	48.7	59.6	53.2
Packaging and industrial	403.6	551.7	518.3	525.6	605.5	656.9	683.1
Total	648.9	747.4	717.1	711.5	852.5	901.1	898.1
<b>Paper manufactures <sup>c</sup></b>	102.4	111.8	133.6	132.1	131.6	109.5	101.7
<b>Recovered paper</b>	227.9	240.0	240.0	230.0	241.1	240.9	248.6
<b>Pulp</b>	13.2	11.3	0.7	0.2	0.3	0.3	0.4
<b>Woodchips</b>	855.5	884.4	729.3	611.0	767.7	953.7	1 095.8
<b>Total</b>	2 272.2	2 468.7	2 229.2	2 044.0	2 528.5	2 772.5	3 063.1

<sup>a</sup> Values are value for duty for imports and free on board from Australian ports for exports. <sup>b</sup> Includes such items as wooden doors, mouldings, packing cases, parquet flooring, builders carpentry, cork, gums, resins, eucalyptus oils and other miscellaneous wood articles. Excludes wooden furniture. <sup>c</sup> Includes such items as boxes, bags, account books, note books, letter pads and other paper stationery. <sup>d</sup> Uncoated hardboard confidential from January 2007.

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



**TABLE 114** Australian production, trade and apparent consumption of sawnwood

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>
<b>Hardwood</b>							
Production <b>ab</b>	875	730	735	744	668	627	na
Imports <b>c</b>	88	88	82	70	66	69	61
Exports <b>c</b>	53	70	40	27	99	190	42
Apparent consumption <b>ab</b>	902	740	768	779	619	493	na
<b>Softwood</b>							
Production <b>ab</b>	4 202	3 826	3 643	3 849	4 220	4 530	na
Imports <b>c</b>	660	758	709	689	720	899	780
Exports <b>c</b>	335	275	211	210	272	325	258
Apparent consumption <b>ab</b>	4 527	4 310	4 141	4 328	4 668	5 104	na
<b>Total hardwood and softwood</b>							
Production <b>ab</b>	5 077	4 556	4 378	4 593	4 888	5 157	na
Imports <b>c</b>	748	846	791	759	786	968	841
Exports <b>c</b>	387	344	252	237	371	514	300
Apparent consumption <b>ab</b>	5 429	5 050	4 909	5 107	5 287	5 597	na

**a** Includes railway sleepers. **b** Since 2005–06 ABARES estimates based on survey reports (Burns, Sledge and Wicks 2009; Burns and Burke 2012; Gavran et al. 2013) and volume of sawlogs harvested. **c** Excludes railway sleepers. Zero is used to denote nil or less than 500 m<sup>3</sup>. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; State and territory forest services; forest industry associations; private industry

**TABLE 115** Volume of Australian imports of sawnwood, by source and type

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>
<b>Country</b>							
<b>Czech Republic</b>							
Spruce pine	88	85	85	78	94	113	103
<b>Canada</b>							
Douglas fir	18	33	34	36	35	38	15
Western red cedar	30	29	22	27	22	24	24
Other	20	7	4	3	4	11	30
Total	68	69	60	66	61	73	70
<b>Malaysia</b>							
Meranti a	18	15	11	12	12	12	11
Other	21	19	19	15	14	15	13
Total	39	34	30	27	25	27	24
<b>New Zealand</b>							
Radiata pine	192	184	200	183	180	159	141
Douglas fir	18	23	20	19	31	26	23
Other	59	58	58	58	56	56	63
Total	269	265	278	259	267	241	226
<b>United States</b>							
Douglas fir	0	0	4	9	0	0	0
Western red cedar	1	1	1	1	1	0	na
Other	21	27	51	36	23	19	14
Total	23	28	57	45	24	20	14
<b>Region</b>							
Asia	78	82	73	62	61	72	70
Europe	178	239	187	170	224	360	289
North America	90	97	117	112	85	93	84
Pacific	279	274	287	267	273	247	233
South America	34	59	68	79	81	98	65
Other	89	94	60	70	62	98	101
Total	748	846	791	759	786	968	841
(value \$m)	429.2	472.8	447.8	422.7	468.5	601.0	555.2

a Includes lauan and seraya.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 116** Australian production, trade and apparent consumption of panel products

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>
<b>Production a</b>							
Plywood	120	140	160	128	145	159	171
Particleboard	928	986	866	837	855	903	955
Medium density fibreboard	558	605	466	460	475	523	574
Total	1 606	1 731	1 492	1 425	1 475	1 584	1 699
<b>Imports</b>							
Veneer	15	17	15	13	9	12	14
Plywood	228	278	293	278	287	341	357
Particleboard	57	72	67	72	95	95	89
Hardboard	33	49	69	60	86	82	91
Medium density fibreboard	70	58	91	77	65	85	89
Softboard and other fibreboards	6	7	7	6	5	7	7
Total	410	480	542	505	548	622	648
<b>Exports</b>							
Veneer	90	119	106	52	64	50	45
Plywood	24	7	18	36	36	14	31
Particleboard	11	6	4	2	6	11	11
Hardboard	1	2	2	2	3	11	21
Medium density fibreboard	152	115	79	52	75	78	85
Softboard and other fibreboards	2	5	5	1	1	21	4
Total	280	254	214	146	184	185	197
<b>Apparent consumption a</b>							
Plywood	324	411	435	370	397	486	497
Particleboard	973	1 052	929	907	944	986	1 033
Medium density fibreboard	477	548	478	484	465	530	577
Total	1 774	2 011	1 841	1 761	1 806	2 002	2 108

a Excludes veneer, hardboard, laminated veneer lumber and softboards.

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

**TABLE 117** Volume of Australian imports of veneer and wood-based panels, by source

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>
<b>Veneer</b>							
Malaysia	2.6	3.0	2.1	2.1	1.8	1.8	2.8
New Zealand	5.3	8.3	2.5	2.9	0.8	2.7	4.1
Philippines	1.3	0.2	0.0	0.0	0.0	0.0	0.0
Singapore	0.1	0.0	0.1	0.3	0.0	0.1	0.0
South Africa	0.1	0.1	0.1	0.0	0.0	0.2	na
Thailand	0.1	0.0	0.0	0.0	0.0	0.0	na
United States	0.7	0.7	0.8	1.0	0.6	0.8	1.3
Other	5.3	4.9	9.0	6.2	5.3	6.8	5.9
Total	15.4	17.4	14.7	12.6	8.6	12.5	14.1
(value, \$m)	21.7	20.9	20.8	19.1	15.4	22.4	23.6
<b>Plywood</b>							
Chile	35.0	54.7	59.4	50.5	35.2	46.2	26.8
China	40.5	36.8	47.3	55.0	75.2	89.7	113.8
Indonesia	33.1	41.7	38.7	38.1	36.2	44.1	46.5
Malaysia	38.1	41.9	34.3	39.2	47.7	45.7	45.3
New Zealand	50.3	59.1	61.8	38.2	42.5	49.2	60.3
Other	30.6	43.3	51.4	57.0	50.3	66.5	64.3
Total	227.7	277.6	292.8	278.0	287.2	341.4	357.1
(value, \$m)	137.7	170.3	182.7	183.6	209.9	264.0	300.2
<b>Particleboard</b>							
Germany	32.1	27.0	15.0	16.1	15.3	15.8	5.2
New Zealand	6.3	6.4	19.5	16.2	24.8	20.9	20.8
Other	19.0	38.2	32.6	40.0	54.9	57.9	63.2
Total	57.3	71.6	67.2	72.2	95.1	94.6	89.2
(value, \$m)	18.3	20.9	26.1	26.9	35.5	37.8	41.0
<b>Hardboard</b>							
Germany	6.0	5.7	5.0	3.0	7.0	4.6	11.9
Malaysia	1.7	3.3	4.1	3.2	4.8	7.1	4.5
New Zealand	0.1	0.2	0.0	0.1	0.4	0.0	0.0
Other	25.2	39.4	59.9	53.5	74.0	70.0	75.0
Total	33.0	48.5	69.1	59.8	86.2	81.7	91.4
(value, \$m)	30.4	39.7	53.9	47.5	71.6	67.0	69.2
<b>Medium density fibreboard</b>							
Malaysia	8.5	11.0	19.9	20.7	21.7	24.0	26.4
New Zealand	26.0	17.3	15.6	3.7	2.4	3.0	10.5
Other	35.6	29.6	55.6	52.2	41.1	58.1	51.9
Total	70.0	58.0	91.1	76.6	65.3	85.1	88.8
(value, \$m)	37.1	34.5	36.3	32.3	35.2	45.3	51.3
<b>Softboard and other fibreboards</b>							
Germany	0.5	0.4	0.6	0.2	0.0	0.0	1.2
New Zealand	0.0	0.0	0.0	0.0	0.1	0.4	0.2
Other	5.7	6.2	6.4	5.4	5.0	6.3	6.0
Total	6.2	6.5	7.1	5.6	5.1	6.7	7.4
(value, \$m)	2.9	3.0	3.2	2.1	2.7	3.0	4.0

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 118** Australian production, trade and apparent consumption of paper and paper products

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Production</b>							
Newsprint	427	439	435	405	365	325	na
Printing and							
writing paper	334	342	358	369	392	470	na
Household and sanitary	194	183	166	188	204	201	na
Packaging and							
industrial paper	2 058	2 191	2 232	2 054	2 076	2 146	na
<b>Total</b>	<b>3 013</b>	<b>3 155</b>	<b>3 191</b>	<b>3 016</b>	<b>3 037</b>	<b>3 142</b>	<b>na</b>
<b>Imports</b>							
Newsprint	191	222	121	85	75	76	69
Printing and							
writing paper	1 167	1 237	1 174	1 155	1 172	1 040	960
Household and sanitary	101	114	118	159	123	142	155
Packaging and							
industrial paper	285	314	333	385	357	392	410
<b>Total</b>	<b>1 744</b>	<b>1 886</b>	<b>1 746</b>	<b>1 783</b>	<b>1 727</b>	<b>1 651</b>	<b>1 595</b>
<b>Exports</b>							
Newsprint	6	19	30	72	85	56	50
Printing and							
writing paper	146	84	132	139	153	141	139
Household and sanitary	31	39	26	12	20	23	17
Packaging and							
industrial paper	708	887	933	906	950	948	924
<b>Total</b>	<b>890</b>	<b>1 029</b>	<b>1 121</b>	<b>1 127</b>	<b>1 207</b>	<b>1 168</b>	<b>1 130</b>
<b>Apparent consumption</b>							
Newsprint	612	641	526	418	356	345	339
Printing and							
writing paper	1 356	1 495	1 400	1 385	1 411	1 369	1 334
Household and sanitary	264	258	258	335	308	320	353
Packaging and							
industrial paper	1 636	1 618	1 632	1 534	1 483	1 591	1 664
<b>Total</b>	<b>3 868</b>	<b>4 012</b>	<b>3 816</b>	<b>3 672</b>	<b>3 557</b>	<b>3 625</b>	<b>3 689</b>

na Not available.

Sources: ABARES; Australia Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Australian Forest Products Association

**TABLE 119** Volume of Australian imports of paper and paperboard, by type and source

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Newsprint a</b>							
Finland	1.8	4.3	4.2	4.9	0.2	1.6	1.6
Indonesia	22.5	20.7	12.5	13.1	8.3	7.5	7.1
Korea, Rep. of	16.7	46.5	46.1	30.6	34.0	41.9	31.8
New Zealand	132.0	112.3	31.4	9.0	9.9	8.9	9.2
Norway	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other	11.2	31.8	21.9	24.2	21.3	14.5	19.0
Total	190.6	221.5	121.1	84.7	75.2	76.3	69.3
(value, \$m)	158.0	175.7	90.6	57.9	48.9	48.3	43.6
<b>Printing and writing paper</b>							
Belgium	14.7	11.7	11.4	5.3	5.4	4.1	5.7
China	87.6	63.3	92.1	131.3	147.1	137.4	102.6
Finland	123.4	107.0	101.1	210.0	224.3	157.4	116.2
France	7.5	7.4	13.6	6.7	6.3	6.9	5.6
Germany	45.7	54.5	52.1	52.4	70.8	44.7	47.7
Indonesia	58.2	24.8	20.8	19.4	22.2	32.8	38.4
Italy	45.1	45.6	47.1	59.3	58.5	48.6	41.4
Japan	88.5	65.1	4.7	19.2	39.0	42.2	47.7
Korea, Rep. of	120.7	89.5	92.0	67.2	74.5	79.1	107.8
New Zealand	39.8	42.2	34.3	32.7	39.5	34.9	43.6
Sweden	63.9	64.2	71.0	92.7	83.3	81.2	72.4
United Kingdom	11.2	18.0	39.4	26.6	21.1	21.2	27.2
United States	107.1	87.1	93.1	82.1	73.9	60.1	56.5
Other b	353.9	556.4	501.1	349.9	305.5	289.2	247.1
Total	1 167.4	1 237.0	1 173.9	1 154.7	1 171.5	1 039.6	960.0
(value, \$m)	1 354.9	1 347.4	1 216.6	1 151.0	1 193.8	1 122.6	1 036.4
<b>Household and sanitary products</b>							
China	48.6	53.5	66.2	96.8	73.1	86.8	79.9
Indonesia	13.4	16.2	14.7	24.7	14.6	23.8	41.9
New Zealand	24.9	28.4	20.5	15.9	14.4	14.6	14.8
Other	14.2	15.8	16.3	21.0	21.3	17.2	18.4
Total	101.1	113.8	117.7	158.5	123.4	142.4	155.0
(value, \$m)	163.5	185.2	186.7	244.1	208.2	254.0	305.3

Continued

**TABLE 119** Volume of Australian imports of paper and paperboard, by type and source *continued*

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Packaging and industrial</b>							
China	34.6	41.0	54.4	64.4	88.1	101.2	112.6
Czech Republic	3.7	3.7	2.3	0.9	1.1	3.0	3.6
Finland	18.2	25.4	17.4	20.9	10.2	14.6	19.4
France	7.2	5.0	3.3	2.9	4.0	8.3	4.0
Germany	11.4	9.9	9.8	10.4	8.1	7.4	8.4
Hong Kong	1.4	1.7	2.5	3.3	3.1	5.0	2.5
Indonesia	13.0	10.2	9.0	11.8	9.6	11.6	10.4
Italy	5.2	3.7	2.8	3.6	4.5	5.5	6.7
Japan	5.1	4.7	4.4	4.0	4.1	4.5	7.2
Malaysia	16.2	16.7	19.3	19.6	20.5	20.0	22.8
New Zealand	73.6	97.0	110.0	101.0	86.4	98.5	101.2
Singapore	3.4	4.1	2.9	3.0	2.2	3.0	16.0
South Africa	4.4	4.2	2.7	6.4	7.4	8.6	10.0
Sweden	9.4	9.1	11.4	14.1	12.7	10.3	9.1
Thailand	14.7	7.4	4.7	16.3	2.8	3.5	5.1
United Kingdom	2.4	2.8	2.9	2.8	2.9	3.6	3.0
United States	26.8	28.2	29.6	35.5	40.6	39.0	26.2
Other	34.7	38.9	43.7	64.3	48.6	44.9	42.3
Total	285.3	313.8	333.1	385.3	357.0	392.4	410.5
(value, \$m)	498.8	515.0	542.8	590.1	653.8	727.9	845.1

**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.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 120** Volume of Australian imports of wood pulp, by type and source

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Mechanical</b>							
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Zealand	0.2	0.1	0.2	0.4	0.2	0.2	0.3
United States	0.2	0.2	0.4	1.9	1.6	2.4	1.5
Total	1.1	0.5	0.6	2.3	1.8	2.5	1.8
(value, \$m)	0.8	0.4	0.4	1.6	1.3	2.3	2.0
<b>Chemical</b>							
Brazil	63.5	38.4	39.2	56.1	61.8	59.6	72.8
Canada	61.9	72.5	74.1	47.0	40.3	36.5	38.3
Chile	26.3	30.6	41.4	38.1	48.9	49.8	34.6
Hungary	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Indonesia	0.0	0.0	0.0	0.0	0.2	3.0	4.0
New Zealand	80.9	57.9	57.9	71.9	86.1	97.7	93.0
Thailand	0.5	0.0	0.0	0.0	0.0	0.0	0.0
United States	11.1	7.8	15.3	21.2	30.1	25.5	21.9
Other	4.9	11.2	8.0	0.7	3.9	7.1	5.7
Total	249.1	218.6	235.9	235.0	271.3	279.1	270.3
(value, \$m)	166.4	168.5	151.0	137.0	181.3	195.8	209.4
<b>Semichemical</b>							
Brazil	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	0.0	0.0	1.7	0.9	0.1	0.7	0.0
Chile	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia	0.0	0.0	0.0	0.0	0.0	0.0	0.0
New Zealand	14.8	13.2	14.6	15.7	5.8	9.4	7.2
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	14.8	13.2	16.3	16.6	6.0	10.1	7.3
(value, \$m)	10.6	10.8	10.3	9.6	4.8	9.5	9.1
<b>Total wood pulp</b>	265.0	233.2	256.1	262.5	297.0	301.6	280.6
(value, \$m)	177.8	180.3	164.1	154.4	203.3	216.7	221.8

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra



TABLE 121 Volume of Australian roundwood and woodchip trade

	Imports		Exports		
	Roundwood a '000 m <sup>3</sup>	Roundwood a '000 m <sup>3</sup>	Woodchips b		
			Softwood kt	Hardwood kt	Total kt
1972–73	97.1	na	na	na	na
1973–74	102.1	na	na	na	na
1974–75	37.2	na	na	na	na
1975–76	46.4	na	na	na	na
1976–77	32.2	na	na	na	na
1977–78	27.6	na	na	na	1 540
1978–79	17.0	na	na	na	1 777
1979–80	0.6	na	na	na	2 213
1980–81	0.1	na	na	na	2 110
1981–82	1.7	na	na	na	1 910
1982–83	1.7	na	na	na	1 898
1983–84	0.5	na	na	na	2 222
1984–85	0.5	na	na	na	2 283
1985–86	1.0	na	na	na	2 224
1986–87	1.0	na	na	na	2 477
1987–88	1.0	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
1999–2000	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
2010–11	0.6	1 638	787	4 278	5 064
2011–12	1.1	1 806	776	3 374	4 150
2012–13	1.3	1 516	706	3 100	3 806
2013–14	0.6	2 363	569	4 207	4 776
2014–15	0.8	2 616	662	5 045	5 707
2015–16 c	1.8	3 734	431	5 651	6 082

a Includes sawlogs and pulplogs. b Bone dry tonnes. c Softwood woodchips are subject to ABS confidentiality restrictions from March 2016 and are not included in these figures

na Not available.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 122** Summary of Australian statistics for fruit, nuts and vegetables

	Fruit and nuts					Vegetables <sup>a</sup>		
	Production <sup>bc</sup>	Fruit		Nuts		Production <sup>b</sup>	Exports	Imports
		Exports	Imports	Exports	Imports			
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1988–89	1 155	300	182	23	57	1 197	100	159
1989–90	1 176	297	170	16	64	1 328	112	215
1990–91	1 250	344	166	35	63	1 285	126	185
1991–92	1 599	435	227	24	81	1 290	166	199
1992–93	1 572	459	212	42	77	1 249	178	235
1993–94	1 478	461	216	42	90	1 444	240	269
1994–95	1 579	449	251	61	88	1 492	279	256
1995–96	1 710	484	292	87	92	1 616	277	266
1996–97	1 891	562	290	76	104	1 662	256	264
1997–98	1 819	528	305	81	112	1 812	314	289
1998–99	1 990	556	381	85	108	1 864	373	322
1999–2000	1 976	566	384	102	114	1 862	300	326
2000–01	2 253	661	397	98	114	2 183	322	356
2001–02	2 333	728	429	140	116	2 269	368	382
2002–03	2 408	727	476	113	128	2 258	349	426
2003–04	2 350	551	500	146	139	2 356	301	442
2004–05	2 767	599	574	197	176	2 134	278	433
2005–06	2 833	629	565	204	217	2 878	273	453
2006–07	3 739	600	691	174	199	3 165	273	534
2007–08	2 959	586	779	181	199	3 363	263	638
2008–09	3 157	683	821	233	218	3 012	281	740
2009–10	3 348	585	773	212	213	3 023	282	646
2010–11	3 315	456	818	211	245	3 338	296	686
2011–12	3 366	505	937	240	295	3 339	276	814
2012–13	3 966	634	864	348	287	3 770	260	796
2013–14	3 518	724	1 089	610	346	3 510	270	871
2014–15	3 855	755	1 232	734	425	3 350	293	942
2015–16	na	1 072	1 288	930	487	na	344	1 031

<sup>a</sup> Excludes pulses. <sup>b</sup> Gross value of production. <sup>c</sup> Gross value of fruit and nuts excludes wine grapes. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Value of Principal Agricultural Commodities Produced, Australia*, cat. no. 7501.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra

**TABLE 123** Australian production and trade for grapes and dried vine fruit

	Grape production			Dried vine fruit				
	Wine	Drying	Total	Production <sup>a</sup>	Exports		Imports	
	making	and table			kt	\$m	kt	\$m
1990–91	487.3	363.8	851.1	88.7	36.4	74.2	5.7	8.0
1991–92	564.1	423.1	987.1	101.9	44.5	82.7	9.7	13.8
1992–93	544.5	246.7	791.2	45.4	55.1	96.9	5.3	7.4
1993–94	661.3	258.3	919.6	50.4	41.2	73.4	4.7	6.1
1994–95	577.4	191.5	768.8	53.5	14.7	29.7	7.4	9.1
1995–96	782.6	304.3	1 086.8	37.7	15.2	34.3	9.3	12.2
1996–97	743.4	199.7	943.1	69.3	25.3	52.2	10.3	14.2
1997–98	870.6	241.5	1 112.2	29.0	12.3	29.8	11.9	19.6
1998–99	1 076.2	189.3	1 265.5	44.0	13.7	36.8	16.2	27.8
1999–2000	1 111.1	200.2	1 311.4	31.0	4.9	13.3	17.1	28.9
2000–01	1 391.1	154.9	1 546.0	16.7	6.4	17.0	16.9	29.0
2001–02	1 514.5	239.4	1 753.9	34.0	5.9	13.9	21.1	31.3
2002–03	1 329.6	167.3	1 496.9	17.0	9.7	19.9	19.1	28.3
2003–04	1 816.6	198.4	2 015.0	27.0	6.8	14.7	25.0	37.2
2004–05	1 818.4	208.1	2 026.5	28.5	6.6	15.4	21.3	29.9
2005–06	1 781.7	199.5	1 981.2	28.2	7.3	17.6	12.0	19.5
2006–07	1 370.7	159.7	1 530.4	17.4	6.8	15.7	26.7	40.3
2007–08	1 837.0	119.8	1 956.8	11.0	4.9	12.7	25.8	45.4
2008–09	1 683.6	172.4	1 856.1	17.1	4.3	14.8	27.3	61.2
2009–10	1 533.2	151.1	1 684.3	13.6	4.0	13.4	26.8	51.1
2010–11	1 597.7	160.0	1 757.7	7.4	1.8	6.1	22.4	47.2
2011–12	1 582.0	74.6	1 656.6	13.4	1.2	4.1	29.7	67.9
2012–13	1 641.7	120.9	1 762.6	na	1.2	4.9	24.1	51.4
2013–14	1 438.0	119.4	1 557.4	na	2.9	9.7	23.6	57.3
2014–15	1 608.2	na	na	na	2.5	10.3	22.1	49.6
2015–16	na	na	na	na	5.0	19.4	20.3	52.1

<sup>a</sup> Dry weight. na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Australian Wine and Grape Industry*, cat. no. 1329, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Vineyards Estimates*, cat. no. 1329.0.55.002, Canberra

TABLE 124 Production and trade of Australian fruit

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Citrus</b>								
<b>Oranges</b>								
Production <b>a</b>	kt	391.3	291.2	389.8	400.6	350.0	337.6	na
– value	\$m	303.4	198.1	300.7	345.9	327.8	288.5	na
<b>Exports <b>b</b></b>								
Navel	kt	114.8	67.1	99.8	112.9	107.5	106.9	133.8
Valencia	kt	12.5	15.6	16.3	15.0	15.2	13.5	21.5
– value								
Navel	\$m	127.8	74.0	96.2	113.0	121.7	125.3	173.8
Valencia	\$m	10.4	17.7	12.1	12.1	13.9	13.1	21.3
Imports <b>c</b>	kt	18.9	23.4	18.0	18.5	19.8	16.4	14.6
– value	\$m	23.0	27.7	21.3	23.6	30.4	27.9	25.3
<b>Mandarins</b>								
Production	kt	91.0	97.9	85.1	91.1	100.2	101.4	na
– value	\$m	123.7	137.4	115.5	137.3	153.6	155.5	na
Exports <b>c</b>	kt	30.7	24.3	32.6	32.9	35.7	31.6	49.0
– value	\$m	46.5	39.0	46.0	55.0	57.1	55.2	84.8
Imports <b>c</b>	kt	1.5	3.2	2.4	3.7	2.2	3.0	3.4
– value	\$m	3.6	7.0	4.6	8.5	5.9	9.0	9.1
<b>Lemons and limes</b>								
Production	kt	na	30.2	na	na	na	na	na
– value	\$m	na	69.2	na	na	na	na	na
Exports <b>c</b>	kt	1.1	0.3	0.4	0.5	1.4	2.7	4.1
– value	\$m	1.6	0.7	0.9	1.1	3.1	6.1	9.6
Imports <b>c</b>	kt	4.6	6.5	4.0	6.2	7.1	7.3	6.5
– value	\$m	8.6	11.9	6.3	9.3	16.4	21.8	19.7
<b>Grapefruit</b>								
Production	kt	13.5	11.4	na	na	na	na	na
Exports <b>c</b>	kt	0.2	0.4	0.5	0.7	0.2	0.2	0.4
– value	\$m	0.5	0.5	0.7	0.9	0.3	0.3	0.7
Imports <b>c</b>	kt	0.9	1.0	1.0	1.2	1.5	1.3	1.0
– value	\$m	0.9	1.2	1.2	1.8	2.4	2.3	1.8
<b>Apples</b>								
Production	kt	264.4	299.8	289.1	288.9	266.8	295.2	na
– value	\$m	402.3	595.3	464.5	441.4	433.7	555.9	na
Exports <b>b</b>	kt	4.7	2.5	2.9	3.9	2.1	2.1	4.7
– value	\$m	7.9	6.0	6.0	7.2	4.5	5.9	12.4
<b>Pears</b>								
Production	kt	95.1	123.3	119.3	109.2	98.0	105.2	na
– value	\$m	74.4	174.9	102.3	114.9	106.8	125.2	na
Exports <b>b</b>	kt	5.9	4.8	6.6	7.0	6.5	7.6	12.3
– value	\$m	9.6	7.5	9.0	10.3	10.5	12.5	21.7
<b>Bananas</b>								
Production	kt	302.2	202.8	285.5	330.0	254.5	252.0	na
– value	\$m	488.1	316.0	466.8	490.7	341.3	455.0	na

**a** Total orange production including navel, valencia and other varieties. **b** Fresh. **c** Fresh and dried.

**na** Not available.

Sources: Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra

TABLE 125 Production and trade of Australian vegetables

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Potatoes</b>								
Production	kt	1 278.1	1 128.2	1 288.2	1 273.2	1 171.3	1 154.5	na
– value	\$m	614.1	552.9	626.0	690.2	619.7	618.0	na
Export <b>a</b>								
– value	\$m	46.1	54.3	47.2	47.4	39.5	35.4	43.4
Imports <b>a</b>								
– value	\$m	92.5	105.7	164.1	131.7	143.2	159.8	165.1
<b>Tomatoes</b>								
Production	kt	471.9	301.7	371.5	455.7	326.2	389.2	na
– value	\$m	346.5	418.1	352.0	438.7	350.6	311.3	na
Exports								
Fresh	kt	3.5	2.4	1.5	0.4	0.8	0.7	0.9
– value	\$m	7.2	5.9	4.6	2.0	2.8	2.4	3.0
Processed	kt	7.6	6.7	7.6	2.6	7.1	11.4	14.8
– value	\$m	16.5	14.9	16.0	7.5	10.7	19.3	21.1
Imports								
Processed	kt	90.1	112.7	125.0	117.6	119.4	115.3	121.9
– value	\$m	112.3	113.2	124.6	115.1	145.5	147.5	163.3
<b>Onions</b>								
Production	kt	259.9	330.8	346.6	301.7	256.0	314.9	na
– value	\$m	180.0	274.0	213.0	199.6	185.3	240.2	na
Exports <b>a</b>	kt	49.7	58.1	58.5	51.6	45.3	39.5	44.1
– value	\$m	26.3	33.8	26.4	27.6	27.9	22.5	29.0
<b>Carrots</b>								
Production	kt	267.4	224.6	319.2	272.1	242.7	261.1	na
– value	\$m	175.6	130.7	215.0	194.2	131.5	144.7	na
Exports <b>b</b>	kt	68.4	69.7	69.3	67.3	72.0	78.2	100.2
– value	\$m	51.5	52.0	51.3	51.1	55.9	61.1	80.8
<b>Lettuce</b>								
Production	kt	na	144.6	114.7	164.0	122.6	139.5	na
– value	\$m	na	164.0	129.0	193.1	141.4	168.0	na
Exports <b>b</b>	kt	1.2	1.1	1.1	1.0	1.3	1.2	1.3
– value	\$m	5.3	5.5	4.8	4.7	5.5	5.6	6.6
<b>Mushrooms</b>								
Production	kt	41.3	49.7	46.5	50.0	60.0	42.8	na
– value	\$m	235.7	293.4	267.0	284.6	317.7	273.6	na
Exports	t	131.3	145.2	339.5	95.3	142.0	107.6	151.8
– value	\$m	1.4	1.6	2.4	2.7	4.2	4.4	4.5

**a** Fresh and processed. **b** Fresh. **na** Not available.

Sources: Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465, Canberra

TABLE 126 Summary of Australian statistics for meat

	Cattle numbers ab million	Sheep numbers ab million	Total red meat c			Apparent consumption per person			
			Production kt	Exports kt	Domestic consumption kt	Beef and veal kg	Lamb and mutton kg	Pig meat kg	Chicken meat kg
1973	28.58	139.9	2 331	1 154	1 163	43.6	27.5	16.0	13.0
1974	30.27	145.0	1 942	665	1 278	55.0	25.6	13.1	13.4
1975	32.17	151.5	2 429	1 001	1 415	62.0	23.7	11.7	13.4
1976	32.81	148.5	2 670	1 204	1 421	66.4	21.1	12.1	14.4
1977	31.53	135.2	2 889	1 420	1 440	70.3	19.4	13.0	15.6
1978	29.33	131.3	2 824	1 449	1 370	65.9	17.0	13.3	16.6
1979	27.11	134.1	2 513	1 334	1 229	50.4	21.0	13.5	18.7
1980	26.20	135.9	2 311	1 159	1 180	45.3	19.8	15.5	20.1
1981	25.17	134.3	2 172	939	1 232	47.6	19.0	15.3	20.2
1982	24.49	137.9	2 473	1 184	1 294	49.3	20.4	14.8	19.4
1983	22.48	130.5	2 131	948	1 218	42.3	20.5	15.9	20.2
1984	22.16	135.3	2 003	709	1 301	44.3	22.1	16.4	19.8
1985	22.78	145.6	2 162	859	1 288	40.1	24.4	16.7	21.6
1986	23.44	150.4	2 341	1 032	1 306	41.4	22.5	17.2	22.8
1987	21.91	149.2	2 452	1 131	1 314	39.9	23.0	17.3	23.2
1988	21.85	152.4	2 404	1 079	1 335	41.2	21.3	17.5	21.7
1989	22.43	161.6	2 465	1 054	1 420	42.1	23.0	17.7	21.9
1990	23.19	170.3	2 705	1 318	1 368	39.4	21.3	18.3	22.4
1991	23.66	163.2	2 739	1 380	1 386	39.0	21.8	18.4	23.1
1992	23.88	148.2	2 827	1 490	1 349	36.9	20.2	19.4	23.5
1993	24.06	138.1	2 805	1 460	1 345	36.7	19.7	19.1	25.3
1994	25.76	132.6	2 863	1 475	1 429	38.5	20.9	20.0	26.0
1995	25.73	120.9	2 656	1 365	1 306	34.6	17.1	19.9	25.5
1996	26.38	121.1	2 634	1 289	1 369	39.0	16.7	18.5	25.8
1997	26.69	120.2	2 883	1 479	1 432	41.0	17.0	18.9	27.1
1998	26.85	117.5	2 979	1 590	1 412	38.0	17.5	19.4	29.1
1999	26.58	115.5	2 996	1 628	1 412	37.6	17.2	19.3	29.6
2000	27.59	118.6	3 132	1 745	1 461	37.4	18.5	19.9	31.3
2001	27.72	110.9	3 136	1 835	1 367	34.2	16.9	18.9	31.1
2002	27.87	106.2	3 131	1 787	1 441	36.7	15.5	20.8	34.6
2003	26.66	99.3	2 960	1 608	1 468	37.2	13.7	22.3	33.4
2004	27.46	101.3	3 081	1 728	1 476	37.0	13.1	22.5	35.2
2005	27.78	101.1	3 097	1 758	1 509	36.3	13.1	24.0	36.1
2006	28.39	91.0	3 240	1 855	1 559	37.2	14.0	23.5	37.7
2007	28.04	85.7	3 234	1 829	1 627	37.0	14.2	25.8	37.3
2008	27.32	76.9	3 130	1 847	1 520	33.5	12.4	24.4	36.0
2009	27.91	72.7	3 054	1 784	1 547	33.4	11.7	25.2	36.3
2010	26.55	68.1	3 008	1 723	1 573	34.6	10.2	25.8	40.8
2011	28.51	73.1	2 981	1 750	1 508	32.7	9.2	25.0	43.3
2012	28.42	74.7	3 086	1 821	1 567	32.1	9.9	26.3	44.0
2013	29.29	75.5	3 405	2 114	1 575	32.2	9.9	25.5	44.2
2014	29.10	72.6	3 678	2 428	1 546	30.3	9.2	25.8	44.8
2015	27.41	70.9	3 631	2 386	1 585	27.6	10.6	27.9	45.3

a As at 31 March. From 2000, at 30 June. b Before 1987, includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$2 500 or more. From 1987, the EVAO was raised to \$5 000.

c Beef and veal, mutton and lamb and pig meat production, expressed in carcase weight.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Historical Selected Agriculture Commodities, by State (1861 to Present), Australia*, cat. no. 7124.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5464.0, Canberra; ABS, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra

TABLE 127 Australian saleyard prices of livestock a

	Yearling	Ox b	Cow c	Weighted average d	Lamb e	Mutton f	Pig g
	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg
1990	247.4	219.2	183.3	213.4	137.0	16.5	201.4
1991	227.5	220.2	174.7	202.8	120.6	11.2	214.3
1992	224.0	227.9	172.0	201.8	131.4	28.9	196.1
1993	237.8	253.9	182.1	218.6	185.4	34.3	213.0
1994	254.7	246.1	183.8	220.9	146.3	34.1	202.3
1995	234.9	217.8	165.7	199.6	192.1	68.4	213.2
1996	181.4	163.9	128.0	153.6	233.9	67.7	247.4
1997	188.5	187.6	134.5	162.5	199.2	75.2	218.6
1998	203.7	206.0	157.2	180.0	177.7	79.0	180.5
1999	226.7	217.1	182.8	202.8	204.3	60.9	215.9
2000	261.2	245.8	219.3	236.7	170.4	71.8	249.1
2001	330.0	317.6	289.3	307.5	262.4	145.8	276.3
2002	288.5	276.0	235.1	259.0	327.5	169.7	260.3
2003	318.5	312.8	249.8	282.1	388.0	204.3	229.7
2004	343.5	328.0	281.0	310.1	375.8	182.2	229.4
2005	365.5	332.6	285.1	321.1	348.3	169.4	233.5
2006	338.8	329.0	267.3	304.0	325.7	139.9	246.0
2007	319.4	317.6	254.1	287.9	322.1	153.4	243.3
2008	329.0	322.9	267.9	297.9	385.1	173.6	276.6
2009	308.1	300.8	252.8	279.6	439.2	253.8	337.9
2010	341.1	323.2	272.2	303.8	497.0	371.6	278.1
2011	386.8	343.6	293.4	334.3	547.2	408.6	279.3
2012	368.5	333.9	277.4	319.0	416.4	245.5	277.4
2013	328.7	318.1	247.4	287.3	411.7	196.2	300.3
2014	346.7	337.1	275.3	308.0	509.0	308.2	309.9
2015	496.6	486.0	418.6	456.5	537.6	335.5	337.7
<b>2015</b>							
January	421.3	423.2	378.7	401.0	540.4	336.8	318.1
February	430.3	415.2	372.9	397.9	542.8	343.3	321.7
March	425.8	397.0	344.1	378.1	516.3	329.6	324.1
April	435.7	421.5	367.6	396.3	526.1	350.0	324.4
May	466.2	460.3	378.4	418.3	562.3	356.8	325.5
June	495.1	471.9	378.4	428.5	576.6	375.2	326.0
July	536.4	518.7	443.3	484.6	572.0	374.6	331.7
August	556.5	548.6	480.8	518.0	570.1	349.8	338.0
September	522.6	565.2	491.0	526.5	539.8	342.6	344.4
October	544.4	532.7	451.0	500.0	485.5	282.2	352.5
November	573.7	540.9	483.6	524.9	504.1	308.7	366.6
December	551.5	536.9	453.1	503.7	515.1	276.2	379.0
<b>2016</b>							
January	571.4	511.6	436.4	493.8	518.7	269.8	381.2
February	571.5	523.2	459.3	508.6	527.2	289.8	383.3
March	573.1	523.8	457.9	506.8	513.0	281.9	384.1
April	560.6	511.8	425.3	480.7	512.3	298.2	380.2
May	565.6	521.1	431.2	485.9	545.4	331.2	375.8
June	594.0	561.3	482.2	528.5	586.9	387.5	372.3
July	628.8	603.1	513.4	565.6	617.9	390.8	370.6
August	647.3	614.2	520.2	579.4	589.8	372.3	370.2
September	669.3	611.7	507.7	579.3	565.7	376.3	370.1

a Prices are for export quality stock, with the exception of 'yearling'. 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. b Ox, 500–600 kilograms lw. c Cow, 400–520 kilograms lw. d Weighted average saleyard price for yearling, ox and cow. e Lamb before January 1996, 16–18 kilograms dw, score 3; from January 1996, lamb, 18–20 kilograms dw, score 3; from July 2003, trade lamb, 18–22 kilograms dw, score 2–4. f Ewes and wethers, 18–24 kilograms dw, score 2–3. g 60–75 kilograms dw; Over-the-hooks.

Sources: ABARES; Australian Bureau of Statistics, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; Australian Pork Limited, *Eyes & Ears*, Canberra; Meat & Livestock Australia, *Meat the Market, Sydney*; National Livestock Reporting Service; Meat & Livestock Australia, *Meat and Livestock Weekly*

**TABLE 128** Australian retail prices of meat

	<b>Beef a</b>	<b>Lamb a</b>	<b>Pork a</b>	<b>Chicken b</b>
	c/kg	c/kg	c/kg	c/kg
1993	963.3	574.5	664.7	448.1
1994	996.5	565.9	667.9	422.6
1995	1 007.3	606.5	676.0	453.4
1996	990.3	656.1	709.9	481.2
1997	977.6	652.9	728.8	494.2
1998	981.8	644.3	717.7	484.6
1999	1 010.0	669.8	727.7	490.1
2000	1 059.9	670.1	755.4	477.8
2001	1 225.3	794.5	834.6	496.7
2002	1 320.0	910.3	891.9	503.2
2003	1 367.2	1 016.7	891.1	509.2
2004	1 399.3	1 071.4	889.2	533.7
2005	1 505.2	1 100.5	936.9	509.8
2006	1 550.8	1 135.4	963.5	490.0
2007	1 532.3	1 124.2	983.7	505.6
2008	1 578.3	1 182.5	1 009.3	550.8
2009	1 613.0	1 287.1	1 068.8	548.6
2010	1 601.8	1 347.1	1 076.6	545.6
2011	1 545.8	1 462.2	1 091.1	549.2
2012	1 558.5	1 378.0	1 072.8	530.2
2013	1 532.3	1 248.6	1 083.0	556.5
2014	1 609.9	1 297.1	1 123.2	557.5
2015	1 761.9	1 371.2	1 178.3	551.6
<b>2012</b>				
March	1 552.4	1 439.5	1 082.2	516.5
June	1 558.5	1 426.6	1 065.0	518.6
September	1 564.7	1 393.5	1 068.2	527.1
December	1 558.5	1 252.6	1 075.8	558.8
<b>2013</b>				
March	1 557.0	1 265.5	1 084.4	559.4
June	1 549.3	1 249.7	1 084.4	557.8
September	1 509.1	1 245.4	1 085.5	550.9
December	1 513.7	1 233.9	1 077.9	557.8
<b>2014</b>				
March	1 549.3	1 246.8	1 112.4	558.8
June	1 598.7	1 350.3	1 121.0	555.7
September	1 632.8	1 320.1	1 119.9	556.7
December	1 659.0	1 271.3	1 139.3	558.8
<b>2015</b>				
March	1 693.1	1 328.8	1 170.5	560.4
June	1 727.1	1 360.4	1 172.7	558.8
September	1 776.5	1 371.9	1 177.0	548.2
December	1 850.8	1 423.7	1 193.2	538.7
<b>2016</b>				
March	1 915.7	1 429.4	1 209.3	544.0
June	1 915.7	1 440.9	1 198.5	531.3
September	1 934.3	1 482.7	1 185.6	529.7

**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.

Sources: Australian Bureau of Statistics (ABS), *Average Retail Prices of Selected Items*, cat. no. 6403.0, Canberra; ABS, *Consumer Price Index*, cat. no. 6401.0, Canberra



**TABLE 129** Australian exports of meat and livestock, by product <sup>a</sup>

	Unit	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Quantity</b>									
Beef and veal <b>b</b>	kt	968	899	937	948	1 014	1 184	1 349	1 167
Lamb <b>b</b>	kt	156	157	157	174	201	226	242	242
Mutton <b>b</b>	kt	146	111	86	89	144	183	169	148
Pig meat <b>b</b>	kt	32	30	31	29	26	27	27	27
Poultry meat <b>b</b>	kt	37	28	31	38	32	37	36	29
Live feeder/slaughter cattle <b>c</b>	'000	845	871	728	579	513	1 006	1 295	1 114
Live sheep <b>d</b>	'000	4 067	3 060	2 916	2 562	2 000	2 020	2 180	1 859
<b>Value fob</b>									
Beef and veal <b>e</b>	\$m	4 857	3 953	4 328	4 467	4 871	6 265	8 858	8 285
Lamb <b>e</b>	\$m	926	916	1 026	1 060	1 086	1 468	1 695	1 640
Mutton <b>e</b>	\$m	482	433	404	362	480	758	778	663
Pig meat	\$m	124	109	106	100	81	85	102	119
Poultry meat	\$m	43	36	38	45	43	50	56	53
Live feeder/slaughter cattle <b>c</b>	\$m	538	550	499	412	339	795	1 163	1 280
Live sheep <b>d</b>	\$m	340	298	348	345	194	185	245	228
Total <b>f</b>	\$m	7 417	6 446	6 910	7 030	7 344	9 859	13 090	12 539
<b>Unit value fob</b>									
Beef and veal	\$/kg	5.01	4.38	4.62	4.71	4.80	5.29	6.58	7.09
Lamb	\$/kg	5.94	5.83	6.55	6.10	5.41	6.49	7.01	6.78
Mutton	\$/kg	3.30	3.91	4.68	4.07	3.33	4.14	4.59	4.48
Pig meat	\$/kg	3.84	3.64	3.43	3.40	3.10	3.16	3.72	4.41
Poultry meat	\$/kg	1.15	1.30	1.25	1.20	1.34	1.36	1.57	1.84
Live feeder/slaughter cattle <b>c</b>	\$/head	637.46	634.23	683.33	718.29	664.56	778.28	902.54	1 150.25
Live sheep <b>d</b>	\$/head	83.62	97.32	119.35	134.64	97.01	91.43	112.29	122.35

<sup>a</sup> Excludes re-exports. <sup>b</sup> Fresh, chilled and frozen; shipped weight. <sup>c</sup> Includes buffalo, excludes animals for breeding and dairy purposes. <sup>d</sup> Includes animals for breeding. <sup>e</sup> Based on quantity data from Department of Agriculture and Water Resources, Canberra and export price data from the Australian Bureau of Statistics. <sup>f</sup> Includes live bovine for breeding and dairy purposes. **fob** free on board.

Sources: ABARES; Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources. *Export Statistics*. Canberra

**TABLE 130** Summary of world statistics for livestock

	Livestock numbers		Production			
	Cattle	Sheep	Beef and veal a	Lamb and mutton a	Pig meat a	Poultry meat a
	million	million	Mt	Mt	Mt	Mt
1971	1 097	1 066	38.1	5.6	39.4	15.7
1972	1 119	1 038	38.5	5.7	40.6	16.8
1973	1 139	1 018	38.8	5.4	40.5	17.6
1974	1 167	1 029	41.9	5.2	42.4	18.3
1975	1 188	1 048	43.7	5.3	41.7	18.7
1976	1 200	1 048	46.1	5.3	40.8	20.0
1977	1 205	1 038	46.5	5.3	43.0	21.2
1978	1 206	1 051	47.0	5.5	45.6	22.7
1979	1 211	1 069	45.8	5.4	50.1	24.6
1980	1 217	1 099	45.6	5.7	52.7	25.9
1981	1 229	1 113	46.0	5.9	53.0	27.5
1982	1 242	1 131	45.9	6.0	53.2	28.5
1983	1 249	1 127	47.2	6.2	55.5	29.2
1984	1 255	1 120	48.5	6.2	57.5	29.8
1985	1 260	1 119	49.3	6.3	60.0	31.2
1986	1 267	1 127	51.0	6.3	60.7	33.3
1987	1 267	1 142	50.9	6.4	63.4	36.0
1988	1 272	1 163	51.3	6.7	66.9	37.7
1989	1 289	1 197	51.6	6.9	68.0	38.7
1990	1 297	1 206	53.0	7.1	69.7	41.0
1991	1 296	1 182	53.6	7.2	70.6	43.2
1992	1 301	1 159	52.7	7.1	72.3	45.4
1993	1 300	1 118	52.1	7.1	73.8	48.1
1994	1 310	1 109	52.6	7.3	76.1	50.9
1995	1 313	1 073	53.1	7.2	77.2	54.6
1996	1 309	1 051	54.0	7.1	77.5	56.2
1997	1 309	1 042	54.6	7.2	78.3	59.6
1998	1 302	1 047	54.4	7.4	83.2	62.2
1999	1 303	1 056	55.4	7.6	84.5	65.2
2000	1 303	1 059	56.1	7.8	86.0	68.6
2001	1 312	1 040	55.2	7.8	86.5	71.0
2002	1 327	1 034	56.7	7.9	88.9	73.8
2003	1 347	1 047	57.1	7.9	92.3	75.5
2004	1 367	1 080	58.0	7.9	92.8	78.3
2005	1 387	1 116	59.2	8.2	94.5	80.8
2006	1 409	1 123	60.9	8.4	97.2	83.1
2007	1 428	1 138	62.4	8.6	100.0	88.3
2008	1 442	1 125	62.5	8.5	102.9	92.7
2009	1 450	1 118	62.5	8.3	105.0	95.1
2010	1 453	1 119	63.1	8.2	107.6	99.3
2011	1 452	1 140	62.7	8.3	108.0	103.0
2012	1 465	1 161	63.2	8.4	111.4	106.1
2013	1 468	1 187	64.0	8.6	113.0	108.7
2014	1 482	1 210	na	na	na	na

a Carcase weight.

Source: United Nations FAO, *FAOSTAT*, Rome

**TABLE 131** Summary of US meat statistics

	Unit	2008	2009	2010	2011	2012	2013	2014	2015
<b>Cattle numbers a</b>	million	96.0	94.7	94.1	92.9	91.2	90.1	88.5	89.1
<b>Beef and veal b</b>									
Production c	kt	12 163	11 891	12 046	11 983	11 848	11 751	11 075	10 817
Imports	kt	1 151	1 191	1 042	933	1 007	1 020	1 337	1 529
Exports	kt	905	878	1 043	1 263	1 112	1 174	1 167	1 028
Total consumption	kt	12 403	12 239	12 038	11 646	11 739	11 608	11 241	11 276
Consumption per person	kg	40.7	39.8	38.8	37.3	37.3	36.6	35.2	35.0
<b>Pork b</b>									
Production c	kt	10 599	10 442	10 186	10 331	10 554	10 525	10 368	11 121
Imports	kt	377	378	390	364	364	399	459	506
Exports	kt	2 110	1 857	1 915	2 357	2 440	2 262	2 309	2 272
Total consumption	kt	8 813	9 013	8 654	8 337	8 441	8 665	8 545	9 341
Consumption per person	kg	28.9	29.3	27.9	26.7	26.8	27.3	26.7	29.0
<b>Chicken d</b>									
Production c	kt	16 561	15 935	16 563	16 694	16 621	16 976	17 306	17 971
Exports	kt	3 157	3 093	3 067	3 165	3 299	3 332	3 310	2 867
Total consumption	kt	13 435	12 946	13 473	13 660	13 346	13 691	14 043	15 094
Consumption per person	kg	44.1	42.1	43.5	43.7	42.4	43.2	44.0	46.9

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

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

**TABLE 132** Gross value of Australian livestock slaughterings

	Livestock slaughterings					Live exports d		Total \$m
	Cattle and					Cattle c \$m	Sheep \$m	
	calves a \$m	Sheep b \$m	Lambs b \$m	Pigs \$m	Poultry \$m			
1990–91	3 805.6	29.3	298.4	691.0	788.3	63.8	49.5	5 742.6
1991–92	3 726.0	71.4	308.7	658.6	778.0	75.9	91.0	5 754.2
1992–93	3 758.2	120.2	438.7	649.5	833.5	81.0	122.7	6 046.6
1993–94	4 309.0	154.4	493.7	660.5	929.3	124.5	151.1	6 876.3
1994–95	3 998.0	179.1	473.4	683.0	902.0	215.5	185.2	6 681.4
1995–96	3 207.5	222.6	586.1	825.0	948.1	368.4	227.4	6 431.9
1996–97	3 151.9	215.8	636.8	764.8	932.0	445.1	193.1	6 379.4
1997–98	3 785.9	298.5	574.4	709.8	1 053.6	352.3	200.2	6 998.8
1998–99	4 125.6	226.6	645.2	689.7	1 018.5	351.0	188.1	7 262.2
1999–2000	4 609.1	204.6	668.6	791.7	1 030.8	439.6	185.5	7 949.4
2000–01	5 932.9	367.6	776.5	822.3	1 060.2	497.7	264.5	9 744.6
2001–02	6 581.1	544.5	1 181.4	967.7	1 174.9	561.3	398.9	11 441.7
2002–03	5 803.6	467.7	1 160.9	911.3	1 280.5	607.5	415.3	10 683.1
2003–04	6 197.6	454.2	1 318.1	878.9	1 280.8	461.2	268.4	10 898.0
2004–05	7 364.8	417.8	1 327.0	906.0	1 303.7	464.0	210.2	12 036.2
2005–06	7 280.9	443.6	1 377.6	890.1	1 222.7	404.0	297.2	11 965.6
2006–07	7 491.0	380.0	1 387.2	943.6	1 294.1	496.9	289.6	12 335.7
2007–08	6 812.6	400.1	1 481.4	901.7	1 636.7	540.7	287.2	12 104.4
2008–09	6 805.7	427.8	1 725.3	975.9	1 861.5	646.0	340.1	12 833.8
2009–10	6 566.6	498.5	1 831.8	964.8	1 784.7	701.2	297.8	12 721.9
2010–11	7 164.2	484.5	2 029.4	919.1	2 077.2	659.6	348.1	13 795.4
2011–12	7 133.7	419.4	2 135.6	933.7	2 078.1	650.8	345.0	13 797.2
2012–13	7 136.2	328.8	1 696.1	933.7	2 213.8	589.2	194.0	13 211.8
2013–14	7 494.9	513.0	1 943.2	1 081.1	2 344.0	1 049.0	184.7	14 765.0
2014–15	10 174.7	650.2	2 401.3	1 149.0	2 609.6	1 355.8	244.8	18 785.5

**a** Includes dairy cattle slaughtered. **b** Excludes skin value. **c** Includes dairy cattle and buffalo. **d** Includes animals for breeding.

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 GST.

Sources: ABARES; Australian Bureau of Statistics (ABS), *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Value of Agricultural Commodities Produced*, cat. no. 7503.0, Canberra

**TABLE 133** Australian supply and use of beef and veal

	Slaughterings a	Average weight b	Production b	Exports b	Apparent consumption bc
	'000	kg	kt	kt	kt
1972	7 491	162	1 214	780	na
1973	8 444	179	1 514	920	na
1974	6 988	183	1 279	530	na
1975	9 596	178	1 703	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	8 832	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	7 152	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	713
1990	8 253	211	1 738	1 052	677
1991	8 427	208	1 749	1 068	678
1992	8 731	210	1 834	1 183	649
1993	8 344	217	1 814	1 158	650
1994	8 366	221	1 845	1 160	689
1995	7 906	217	1 719	1 092	627
1996	7 968	218	1 734	1 016	714
1997	9 148	212	1 939	1 175	758
1998	9 308	213	1 987	1 268	711
1999	8 756	227	1 991	1 272	711
2000	8 782	234	2 053	1 329	716
2001	8 764	237	2 079	1 407	663
2002	9 050	231	2 090	1 362	720
2003	8 906	224	1 998	1 246	738
2004	8 804	240	2 113	1 357	742
2005	8 467	247	2 090	1 343	738
2006	8 854	247	2 188	1 408	767
2007	8 901	244	2 169	1 387	778
2008	8 652	247	2 138	1 411	720
2009	8 411	250	2 106	1 370	730
2010	8 273	257	2 129	1 358	767
2011	7 943	268	2 129	1 397	736
2012	7 978	270	2 152	1 419	737
2013	9 034	261	2 359	1 611	750
2014	9 914	262	2 595	1 881	715
2015	9 675	263	2 547	1 888	661

a Includes calves. Excludes on-farm slaughter from July 2007. b Carcase weight. c Apparent consumption equals production plus imports minus exports. na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra

**TABLE 134** Australian cattle numbers, by state and territory <sup>a</sup>

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
	'000	'000	'000	'000	'000	'000	'000	'000	'000
<b>Adult female beef cattle</b>									
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	2 982	1 206	6 113	533	1 217	224	1 193	4	13 472
2009	2 915	1 092	5 911	543	1 201	199	1 037	5	12 903
2010	2 796	1 016	5 953	489	1 214	217	1 256	5	12 946
2011	2 763	1 119	6 001	524	1 062	220	1 188	6	12 883
2012	3 028	1 248	6 177	633	1 072	242	1 228	5	13 633
2013	2 948	1 102	6 295	603	1 005	256	1 215	6	13 430
2014	2 752	1 097	6 377	567	1 081	251	1 192	4	13 321
2015	2 650	1 105	5 541	513	1 228	216	1 274	4	12 531
<b>Total beef cattle and calves</b>									
2006	5 862	2 646	11 354	1 161	2 275	501	1 798	9	25 606
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	5 533	2 234	12 151	1 042	2 220	426	1 681	7	25 295
2010	5 107	2 080	11 193	904	2 206	446	2 066	6	24 008
2011	5 384	2 366	12 450	1 110	1 954	467	2 197	9	25 936
2012	5 497	2 362	11 990	1 204	1 957	472	2 195	8	25 685
2013	5 593	2 427	12 628	1 193	1 883	522	2 200	10	26 457
2014	5 325	2 428	12 755	1 110	1 973	534	2 164	6	26 296
2015	5 279	2 301	11 178	1 015	2 242	466	2 115	6	24 602
<b>Total dairy cattle and calves</b>									
2006	349	1 758	194	168	116	203	0	0	2 788
2007	326	1 668	189	176	105	201	0	0	2 663
2008	321	1 583	174	160	101	198	0	0	2 537
2009	323	1 619	181	165	98	226	0	0	2 612
2010	348	1 589	162	139	113	192	0	0	2 542
2011	326	1 604	162	143	113	223	0	0	2 570
2012	341	1 752	171	127	111	232	0	0	2 733
2013	360	1 802	170	133	121	248	0	0	2 834
2014	338	1 790	177	135	136	231	0	0	2 807
2015	313	1 828	169	127	125	249	0	0	2 811
<b>Total cattle and calves</b>									
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	683	1 912	11	28 037
2008	5 651	3 837	11 905	1 126	2 113	642	2 041	6	27 321
2009	5 856	3 854	12 332	1 207	2 318	652	1 681	7	27 907
2010	5 455	3 668	11 356	1 042	2 319	637	2 066	6	26 550
2011	5 710	3 970	12 612	1 252	2 067	689	2 197	9	28 506
2012	5 838	4 114	12 161	1 331	2 068	704	2 195	8	28 418
2013	5 953	4 229	12 798	1 327	2 004	770	2 200	10	29 291
2014	5 663	4 218	12 932	1 245	2 109	766	2 164	6	29 103
2015	5 592	4 129	11 347	1 142	2 367	716	2 115	6	27 413

<sup>a</sup> At 30 June, an establishment with an estimated value of agricultural operations (EVAO) of \$5 000 or more. House cows are excluded.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra

**TABLE 135** Volume of Australian exports of beef, veal and live cattle, by destination

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Beef and veal a</b>								
Americas								
Canada	kt	9.6	6.9	12.1	16.6	26.5	40.9	31.7
Central and South United States	kt	5.4	10.8	22.6	14.9	10.4	6.4	2.0
	kt	210.5	160.0	205.2	206.6	265.9	471.2	334.3
Asia								
China	kt	4.3	7.2	7.7	92.3	160.4	124.8	127.6
Hong Kong	kt	7.9	5.8	9.6	5.2	7.2	13.8	5.4
Indonesia	kt	49.8	45.1	37.9	28.6	51.3	43.8	54.5
Japan	kt	349.9	351.4	325.8	298.8	279.7	303.5	268.4
Korea, Rep. of	kt	123.8	139.2	122.8	137.7	155.7	156.9	173.2
Malaysia	kt	8.7	13.9	15.0	16.6	14.7	12.4	11.0
Philippines	kt	19.0	21.4	19.3	29.7	29.0	29.5	29.5
Singapore	kt	7.1	8.3	11.8	13.1	11.0	8.4	8.5
Taiwan	kt	31.8	31.5	37.8	37.6	38.2	31.1	30.8
Thailand	kt	17.2	24.2	26.7	28.6	39.5	54.4	52.7
Europe								
CIS	kt	23.8	71.4	46.7	24.4	21.1	0.6	0.1
European Union <b>b</b>	kt	8.0	12.3	13.4	17.4	22.8	23.9	24.0
Middle East								
Jordan	kt	3.5	4.7	7.0	5.5	7.9	4.7	3.2
Kuwait	kt	1.7	3.1	3.0	3.7	4.6	4.3	3.0
Qatar	kt	1.7	1.9	2.4	2.1	2.8	2.3	2.6
Saudi Arabia	kt	3.5	5.7	4.7	18.9	34.0	29.4	20.4
United Arab Emirates	kt	5.0	6.5	7.9	7.6	8.3	9.2	9.9
Oceania								
New Zealand	kt	1.5	1.9	1.6	2.3	2.4	3.7	1.5
Papua New Guinea	kt	5.6	6.5	6.4	7.7	5.8	4.9	3.8
Total beef and veal	kt	899.0	937.3	948.3	1 013.9	1 184.4	1 349.0	1 167.0
<b>Live cattle</b>								
<b>Slaughter cattle c</b>								
Asia								
Indonesia	'000	699.6	456.0	375.5	266.1	614.2	740.7	561.7
Japan <b>d</b>	'000	15.5	12.4	14.3	10.4	10.8	9.8	8.7
Malaysia	'000	4.6	19.7	19.3	36.9	54.0	50.8	38.2
Philippines	'000	14.4	15.6	23.8	35.3	19.6	27.0	26.7
Thailand	'000	0.0	0.0	0.0	0.0	0.0	7.6	3.1
Vietnam <b>d</b>	'000	0.0	0.0	0.9	15.9	132.0	307.4	277.4
Europe								
Russian Federation	'000	0.0	7.9	0.0	0.0	32.0	37.1	43.8
Middle East								
Egypt	'000	33.4	23.1	32.1	15.3	8.0	19.9	18.5
Israel	'000	36.4	50.4	60.5	63.8	107.7	65.7	82.5
Saudi Arabia	'000	7.7	19.5	0.0	3.6	0.0	0.0	0.0
Total slaughter cattle	'000	870.6	728.2	578.6	513.1	1 005.7	1 295.5	1 114.2
<b>Breeding cattle e</b>								
China	'000	50.5	48.9	58.9	59.2	94.1	79.4	108.9
Indonesia	'000	18.5	1.3	0.7	5.2	9.5	4.2	7.4
Russian Federation	'000	9.4	10.5	36.9	36.3	18.1	2.3	1.2
Vietnam	'000	0.5	1.4	0.5	0.0	0.4	4.3	2.8
Total breeding cattle	'000	86.9	76.8	104.7	121.3	127.3	83.4	144.3
Total live cattle	'000	957.5	805.0	683.3	634.3	1 133.0	1 378.8	1 258.5

**a** Fresh, chilled or frozen, in shipped weight. **b** Regarded as 27 countries from January 2007, then 28 countries from July 2013.

**c** Includes buffalo. **d** Excludes live feeder slaughter for October 2015. **e** Includes dairy cattle and buffalo. **CIS** Commonwealth of Independent States.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra

**TABLE 136** Value of Australian exports of beef and veal, and live cattle (fob)

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Beef and veal</b>							
Americas							
Canada	36.6	30.9	46.0	68.4	114.4	230.7	180.1
Central and South	24.2	59.2	135.5	89.5	71.4	55.1	16.3
United States	816.5	704.0	895.9	961.0	1 374.9	3 240.4	2 457.9
Asia							
China	16.7	28.3	39.6	405.6	785.3	736.3	854.4
Hong Kong	44.9	36.9	59.7	34.9	52.6	99.8	63.4
Indonesia	168.5	169.4	156.2	132.4	245.0	233.1	310.9
Japan	1 682.1	1 667.4	1 548.8	1 438.9	1 446.0	1 921.5	1 837.3
Korea, Rep. of	535.1	656.2	571.8	640.8	844.1	1 015.7	1 213.3
Malaysia	37.4	57.8	59.8	64.0	69.6	68.4	60.5
Philippines	48.4	66.1	55.6	89.9	97.5	134.2	116.7
Singapore	36.3	48.5	60.5	75.1	68.4	66.8	70.9
Taiwan	139.3	149.4	201.1	201.1	224.5	212.7	234.6
Thailand	17.2	24.2	26.7	28.6	39.5	54.4	52.7
Europe							
CIS	108.4	294.5	204.8	118.9	121.5	2.2	1.7
European Union a	74.5	112.6	124.7	156.6	232.2	271.1	318.7
Middle East							
Jordan	9.1	17.6	28.9	20.7	35.4	24.0	14.9
Kuwait	7.1	13.9	14.1	18.4	24.0	26.0	21.4
Qatar	11.1	12.1	17.2	16.1	22.0	19.2	29.6
Saudi Arabia	11.8	18.2	13.9	83.2	170.2	197.2	151.4
United Arab Emirates	37.8	46.2	53.6	56.7	67.9	86.0	93.0
Oceania							
New Zealand	6.6	8.4	6.7	9.6	13.8	25.7	10.6
Papua New Guinea	14.0	18.6	22.3	30.6	21.0	27.3	23.1
Total beef and veal	3 953.2	4 327.7	4 466.6	4 871.0	6 264.9	8 858.4	8 285.0
<b>Live cattle</b>							
<b>Slaughter cattle b</b>							
Asia							
Indonesia	427.6	286.5	252.3	164.5	452.0	594.9	578.4
Japan c	14.9	15.5	19.7	14.6	15.1	14.4	14.7
Malaysia	3.7	13.2	13.5	23.1	38.1	46.0	42.0
Philippines	7.9	9.0	15.2	21.5	13.5	22.0	27.2
Thailand	0.0	0.0	0.0	0.0	0.0	6.7	4.1
Vietnam c	0.0	0.0	0.6	11.9	124.0	319.2	364.7
Europe							
Russian Federation	0.0	6.4	0.0	0.0	33.1	49.6	64.9
Middle East							
Egypt	29.9	18.3	26.4	10.3	5.4	13.9	17.0
Israel	21.2	33.0	45.7	45.1	83.4	60.8	94.1
Saudi Arabia	4.8	16.0	0.0	2.8	0.0	0.0	0.0
Total slaughter cattle	549.5	499.1	411.7	338.6	794.5	1 163.3	1 280.2
<b>Breeding cattle d</b>							
China	102.2	102.3	132.8	125.0	180.0	149.2	220.8
Indonesia	12.6	2.8	2.4	9.4	8.8	5.0	7.2
Russian Federation	22.7	24.5	80.8	69.3	30.7	12.1	0.8
Vietnam	0.5	2.1	1.3	0.0	0.9	11.3	5.1
Total breeding cattle	151.6	160.6	239.1	250.7	254.5	192.5	270.9
Total live cattle	701.2	659.6	650.8	589.2	1 049.0	1 355.8	1 551.1

a Regarded as 27 countries from January 2007, then 28 countries from July 2013. b Includes buffalo. c Excludes live feeder slaughter for October 2015. d Includes dairy cattle and buffalo. CIS Commonwealth of Independent States. fob free on board.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra



**TABLE 137** Prices for Australian beef and veal in principal overseas markets

	Japan <sup>a</sup>		Korea, Rep. of <sup>a</sup>		United States	
	Boneless chilled	Boneless frozen	Boneless chilled	Boneless frozen	Boneless frozen <sup>b</sup>	Boneless frozen <sup>a</sup>
	Ac/kg fob	Ac/kg fob	Ac/kg fob	Ac/kg fob	USc/kg cif	Ac/kg fob
1991	571.6	346.6	92.0	437.5	265.5	292.3
1992	568.0	336.2	280.4	344.2	248.8	293.8
1993	585.5	320.5	344.7	418.3	264.8	346.4
1994	575.4	308.8	508.0	344.5	240.1	285.7
1995	581.0	269.4	569.5	293.8	194.5	233.1
1996	474.2	230.1	332.0	273.6	173.7	198.9
1997	487.3	236.8	328.2	270.6	187.5	225.3
1998	524.0	254.1	424.7	279.3	175.1	257.3
1999	540.6	271.3	429.2	284.9	189.8	266.7
2000	567.5	312.5	471.2	314.4	195.5	317.5
2001	649.2	373.2	604.5	388.6	214.7	392.8
2002	639.6	341.1	630.9	387.9	218.7	381.6
2003	644.6	315.5	734.6	347.9	214.2	316.9
2004	710.8	377.4	756.8	440.6	272.7	353.7
2005	708.6	366.8	802.1	421.2	282.1	345.1
2006	703.7	350.8	823.7	435.5	277.4	348.8
2007	670.2	319.8	782.9	412.3	281.0	334.3
2008	777.8	367.8	774.0	434.1	330.3	390.0
2009	681.0	350.7	693.7	364.5	281.7	343.4
2010	630.8	344.5	705.5	394.3	353.5	372.3
2011	639.0	360.1	752.6	430.0	421.3	402.1
2012	658.3	361.6	773.4	414.1	447.2	414.8
2013	666.3	373.1	777.5	456.8	428.5	439.4
2014	734.0	443.9	862.3	536.7	528.8	546.3
2015	908.9	496.5	932.4	662.2	489.3	663.6
<b>2014</b>						
March	709.9	392.1	862.3	495.6	453.6	473.2
June	693.2	401.3	831.4	485.6	459.1	474.5
September	725.4	449.2	823.9	530.6	593.8	550.7
December	807.6	533.2	931.5	635.0	608.8	686.8
<b>2015</b>						
March	858.3	534.9	924.9	638.8	504.7	655.6
June	870.4	476.5	876.9	640.8	499.1	635.6
September	935.5	483.0	938.4	677.5	517.8	686.0
December	971.2	491.5	989.5	691.7	435.6	677.3
<b>2016</b>						
March	948.1	437.0	1052.9	650.2	420.9	598.0
June	946.6	457.5	1088.1	642.7	432.3	628.4
September	981.6	496.9	1097.7	651.7	449.9	670.4

<sup>a</sup> Average unit value of exports. <sup>b</sup> Beef that is 90 per cent chemical lean. <sup>cif</sup> cost, insurance and freight. <sup>fob</sup> free on board. <sup>na</sup> Not available.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Meat & Livestock Australia, *Meat & Livestock Weekly*, Sydney

**TABLE 138** World cattle numbers, by country a

	2009	2010	2011	2012	2013	2014	2015
	million	million	million	million	million	million	million
Argentina	54.3	49.1	48.2	49.6	51.1	51.5	51.5
Australia <b>b</b>	27.9	26.6	28.5	28.4	29.3	29.1	27.4
Brazil	179.5	185.2	190.9	197.6	203.3	208.0	213.0
Canada	13.0	12.7	12.2	12.2	12.3	12.2	11.9
China <b>c</b>	105.8	107.3	106.3	103.6	103.4	103.0	100.5
European Union <b>d</b>	90.4	89.8	87.8	87.1	87.1	87.6	88.4
India <b>e</b>	306.0	304.5	302.5	300.0	299.6	300.6	301.1
Japan	4.4	4.4	4.2	4.2	4.1	4.0	3.9
Korea, Rep. of	2.9	3.1	3.3	3.4	3.5	3.3	3.2
Mexico	22.7	22.2	21.5	20.1	18.5	17.8	17.1
New Zealand	9.7	9.9	9.9	10.0	10.2	10.2	10.4
Russian Federation	21.0	20.7	20.0	20.1	19.9	19.6	19.2
United States	94.7	94.1	92.9	91.2	90.1	88.5	89.1
Uruguay	12.0	11.8	11.2	11.2	11.4	11.9	12.1
World	1 028.1	1 009.0	1 002.4	1 001.7	1 005.3	1 008.6	979.6

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 \$5 000 or more. **c** Excludes Hong Kong. **d** Regarded as 28 countries.

**e** Includes carabeef (buffalo).

Sources: Australian Bureau of Statistics (ABS), *Agriculture, Australia*, 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

**TABLE 139** World beef and veal production, by country a

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
Argentina	3 380	2 620	2 530	2 620	2 850	2 700	2 720
Australia	2 106	2 129	2 129	2 152	2 359	2 595	2 547
Brazil	8 935	9 115	9 030	9 307	9 675	9 723	9 425
Canada	1 239	1 276	1 141	1 060	1 049	1 099	1 045
China <b>b</b>	6 355	6 531	6 475	6 623	6 730	6 890	6 700
European Union <b>c</b>	7 923	8 101	8 114	7 708	7 388	7 443	7 691
India <b>d</b>	2 950	3 125	3 308	3 491	3 800	4 100	4 100
Japan	518	515	500	519	508	502	481
Mexico	1 705	1 745	1 804	1 821	1 807	1 827	1 850
New Zealand	624	643	601	624	620	656	689
Russian Federation	1 460	1 435	1 360	1 380	1 385	1 375	1 355
South Africa	684	886	870	852	905	983	1 038
United States	11 891	12 046	11 983	11 848	11 751	11 075	10 817
Uruguay	580	530	510	530	525	555	565
World	58 121	58 485	58 149	58 527	59 467	59 746	58 443

a Carcase weight equivalent. **b** Excludes Hong Kong. **c** Regarded as 28 countries. **d** Includes carabeef (buffalo).

Sources: Australian Bureau of Statistics, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 140** Volume of trade in beef and veal, by selected countries <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
<b>Exports</b>							
Argentina	621	277	213	164	186	197	186
Australia	1 370	1 358	1 397	1 419	1 611	1 881	1 888
Brazil	1 596	1 558	1 340	1 524	1 849	1 909	1 705
Canada	480	523	426	335	332	378	390
China <b>b</b>	38	51	55	42	30	30	24
European Union <b>c</b>	140	336	445	296	244	301	303
India <b>d</b>	609	917	1 268	1 411	1 765	2 082	1 806
New Zealand	514	530	503	517	529	579	639
United States	878	1 043	1 263	1 112	1 174	1 167	1 028
Uruguay	376	347	320	360	340	350	373
Total	7 433	7 794	8 072	8 138	9 126	9 990	9 601
<b>Imports</b>							
Brazil	35	35	40	62	59	82	61
Canada	247	243	282	301	295	284	280
China <b>b</b>	20	33	28	86	412	417	663
Egypt	180	260	217	250	195	270	360
European Union <b>c</b>	500	437	365	348	376	372	363
Japan	697	721	745	737	760	739	707
Korea, Rep. of	315	366	431	370	375	392	414
Russian Federation	1 053	1 058	994	1 027	1 023	929	621
Taiwan	112	130	130	116	130	138	135
United States	1 191	1 042	933	1 007	1 020	1 337	1 529
Total	6 622	6 648	6 601	6 715	7 448	7 881	7 647

**a** Carcase weight. **b** Excludes Hong Kong. **c** Regarded as 28 countries; excludes intra-EU trade.

**d** Includes carabeef (buffalo).

Sources: Department of Agriculture and Water Resources, *Export Statistics*, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

TABLE 141 Summary of Japanese beef and veal statistics

	Unit	2009	2010	2011	2012	2013	2014	2015
<b>Cattle numbers a</b>								
Beef b	'000	2 923	2 892	2 763	2 723	2 642	2 567	2 489
Dairy c	'000	1 500	1 484	1 467	1 449	1 423	1 395	1 371
Total	'000	4 423	4 376	4 230	4 172	4 065	3 962	3 860
<b>Cattle slaughterings d</b>								
Wagyu	'000	494.7	509.9	517.6	539.8	529.6	507.4	482.6
Dairy	'000	702.2	405.0	410.1	411.2	401.4	393.3	384.7
Calves	'000	10.9	9.7	8.3	8.9	7.1	6.8	5.9
Total e	'000	1 227.8	1 218.7	1 174.2	1 199.5	1 185.0	1 156.6	1 107.2
<b>Production d</b>								
Wagyu beef	kt	149.9	154.9	159.5	167.0	163.5	160.5	153.7
Dairy beef	kt	204.7	108.1	111.8	115.4	109.2	106.1	103.2
Veal	kt	0.8	0.6	0.5	0.6	0.5	0.5	0.4
Total e	kt	361.9	360.5	350.3	363.1	355.6	351.5	336.7
<b>Imports</b>								
<b>Fresh or chilled beef and veal d</b>								
Australia	kt	168.6	155.0	139.8	128.7	115.6	125.5	127.7
Canada	kt	6.1	7.3	7.5	8.0	6.6	5.5	4.9
New Zealand	kt	34.5	44.1	61.9	71.6	86.3	83.4	67.4
United States	kt	2.5	3.7	2.9	2.4	1.5	1.8	1.7
Other	kt	1.1	1.2	1.3	1.7	2.2	2.9	2.8
Total	kt	212.7	211.4	213.4	212.4	212.3	219.1	204.5
<b>Frozen beef and veal d</b>								
Australia	kt	195.3	196.1	199.0	189.7	170.3	155.3	160.8
Canada	kt	6.1	9.2	7.3	9.0	11.2	12.3	8.2
New Zealand	kt	23.5	24.3	22.2	23.4	22.8	18.6	11.8
United States	kt	34.7	47.5	58.7	60.3	99.6	104.8	97.6
Other	kt	8.9	11.1	16.7	19.3	17.9	8.1	10.6
Total	kt	268.4	288.1	303.8	301.8	321.7	299.1	289.0
<b>Total beef and veal df</b>								
Australia	kt	363.9	351.1	338.7	318.4	285.9	280.8	288.5
Canada	kt	8.5	12.9	10.2	11.5	12.7	14.1	9.9
New Zealand	kt	29.6	31.6	29.7	31.4	29.4	24.1	16.6
United States	kt	69.2	91.6	120.6	131.9	185.8	188.3	165.0
Other	kt	10.0	12.3	18.0	21.0	20.1	11.0	13.4
Total	kt	481.1	499.5	517.2	514.2	534.0	518.2	493.5
<b>Prices</b>								
Wagyu steer g	¥/kg	1 649	1 599	1 450	1 545	1 794	1 844	2 291
Dairy steer h	¥/kg	806	724	563	581	813	863	1 104

a At 1 February. b Includes dairy steers. c Cows only. d Product weight. e Includes product not elsewhere specified.

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.

**TABLE 142** Summary of Korean beef and veal statistics

	Unit	2009	2010	2011	2012	2013	2014	2015
<b>Cattle numbers a</b>								
Hanwoo	'000	2 477	2 762	2 820	2 933	2 810	2 670	2 561
Beef cattle	'000	158	160	130	126	108	89	115
Dairy	'000	445	430	404	420	424	431	411
Total	000	3 079	3 351	3 353	3 479	3 342	3 190	3 088
<b>Cattle slaughterings</b>								
Hanwoo	'000	645.8	603.2	720.5	844.7	961.4	920.7	882.0
Beef cattle	'000	113.0	91.0	94.4	79.4	64.1	66.8	56.8
Dairy	'000	58.5	58.2	37.9	45.8	45.9	54.4	66.8
Total	'000	817.2	752.4	852.8	969.9	1 071.4	1 041.9	1 005.6
<b>Production</b>								
Total b	kt	197.7	186.2	216.4	234.5	259.9	na	na
<b>Imports b</b>								
Fresh or chilled beef and veal								
Australia	kt	28.8	33.2	37.0	32.4	31.5	34.1	35.0
Canada	kt	na	na	na	0.0	0.1	0.3	0.1
New Zealand	kt	0.5	0.8	0.2	0.1	0.0	0.1	0.0
United States	kt	4.9	7.9	9.7	7.9	8.8	11.4	15.8
Other	kt	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	kt	34.2	42.0	47.0	40.3	40.4	45.8	50.9
Frozen beef and veal								
Australia	kt	101.6	105.3	115.7	105.6	115.7	118.3	132.6
Canada	kt	na	na	na	1.4	2.0	2.0	1.2
New Zealand	kt	32.2	33.4	34.1	27.4	25.3	21.9	18.2
United States	kt	54.6	76.9	105.6	87.2	83.4	90.4	90.7
Other	kt	2.1	3.6	5.2	2.5	0.7	1.1	1.8
Total	kt	190.5	219.2	260.6	224.0	227.1	233.8	244.4
Total beef and veal								
Australia	kt	130.4	138.5	152.7	137.9	147.2	152.3	167.5
Canada	kt	na	na	na	1.4	2.1	2.3	1.3
New Zealand	kt	32.7	34.3	34.3	27.5	25.3	22.1	18.2
United States	kt	59.5	84.8	115.3	95.1	92.1	101.8	106.5
Other	kt	2.1	3.6	5.2	2.5	0.7	1.1	1.8
Total	kt	224.7	261.2	307.6	264.4	267.5	279.6	295.4
<b>Prices</b>								
Farm c	won/kg	10 066	10 498	7 703	7 170	7 080	8 662	10 310
Retail d	won/kg	28 219	33 055	28 176	21 265	21 526	22 628	25 206
Wholesale Hanwoo e	won/kg	13 297	16 124	12 849	13 133	12 743	14 261	16 377

a At 1 December b Boneless weight. c Product weight. d Korean native cattle 400 kilograms e Boneless beef, all cities

f Hanwoo carcasse, 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

**TABLE 143** Australian supply and use of pig and chicken meats

	Unit	2009	2010	2011	2012	2013	2014	2015
<b>Pig meat</b>								
Pig numbers <b>a</b>	'000	2 302	2 289	2 285	2 138	2 098	2 308	2 272
Breeding sows and gilts <b>a</b>	'000	278	268	295	267	260	266	270
Slaughterings <b>b</b>	'000	4 500	4 617	4 663	4 728	4 777	4 812	4 957
Average slaughter weight <b>c</b>	kg	71.9	73.4	73.8	74.4	75.3	75.3	75.5
Production <b>c</b>	kt	323.7	338.7	344.3	351.7	359.9	362.2	374.1
Imports <b>cd</b>	kt	272.3	283.1	270.2	296.4	279.9	292.1	335.3
Exports <b>c</b>	kt	45.4	50.1	51.4	46.2	46.6	44.0	41.4
Total consumption <b>ce</b>	kt	550.6	571.7	563.0	602.0	593.3	610.3	668.0
Consumption per person <b>cd</b>	kg	25.2	25.8	25.0	26.3	25.5	25.8	27.9
<b>Chicken meat</b>								
Slaughterings	million	468.7	512.2	546.8	559.5	572.1	587.3	594.2
Average dressed weight <b>c</b>	kg	1.8	1.8	1.9	1.9	1.9	1.9	1.9
Production <b>c</b>	kt	828.6	934.4	1 012.5	1 046.7	1 066.5	1 103.1	1 117.2
Exports <b>c</b>	kt	35.1	29.6	37.5	37.4	38.4	45.5	32.8
Total consumption <b>e</b>	kt	793.5	904.8	975.0	1 009.3	1 028.1	1 057.6	1 084.4
Consumption per person	kg	36.3	40.8	43.3	44.0	44.2	44.8	45.3

**a** Livestock holdings as at June on establishments with an estimated value of agricultural operations (EVAO) of \$5 000.

**b** Excludes on-farm slaughter from July 2007. **c** Carcase weight. **d** Includes preserved pig meat. **e** Apparent consumption.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra

**TABLE 144** Australian pig numbers, by state and territory <sup>a</sup>

	New South Wales		Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
	'000	'000	'000	'000	'000	'000	'000	'000	'000	'000
1996–97	729	485	600	417	297	24	3	na	2 555	
1997–98	849	518	648	424	303	24	3	0	2 768	
1998–99	778	521	621	406	277	22	3	0	2 626	
1999–2000	710	523	544	438	276	18	2	0	2 511	
2000–01	845	557	597	438	286	22	2	0	2 748	
2001–02	833	673	643	410	361	18	3	0	2 940	
2002–03	729	555	663	381	309	19	3	0	2 658	
2003–04	624	547	691	378	292	14	3	0	2 548	
2004–05	732	524	666	336	266	12	3	0	2 538	
2005–06	655	668	691	404	296	17	2	0	2 733	
2006–07	741	463	695	360	326	19	0	0	2 605	
2007–08	770	394	610	363	262	13	0	0	2 412	
2008–09	649	414	596	390	236	16	0	0	2 302	
2009–10	585	510	583	381	219	11	0	0	2 289	
2010–11	486	505	639	373	269	13	0	0	2 285	
2011–12	510	518	556	316	na	na	0	0	2 138	
2012–13	497	530	498	315	na	na	0	0	2 098	
2013–14	433	545	632	448	na	na	na	0	2 308	
2014–15	407	515	630	427	na	na	na	0	2 272	

<sup>a</sup> At 31 March. From 2000, at 30 June. Livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 or more. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra

**TABLE 145** World pig and chicken meat production in selected countries <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
<b>Pig meat</b>							
Australia	324	339	344	352	360	362	374
Brazil	3 130	3 195	3 227	3 330	3 335	3 400	3 519
Canada	1 794	1 783	1 817	1 844	1 822	1 805	1 899
China <b>b</b>	48 908	50 712	50 604	53 427	54 930	56 710	54 870
European Union <b>c</b>	22 010	22 627	22 953	22 526	22 359	22 540	23 290
Russian Federation	1 844	1 981	2 064	2 175	2 400	2 510	2 615
United States	10 442	10 186	10 331	10 554	10 525	10 368	11 121
World	100 315	103 003	103 587	106 873	108 828	110 566	110 376
<b>Chicken meat</b>							
Australia	865	977	1 049	1 087	1 100	1 141	1 156
Brazil	11 023	12 312	12 863	12 645	12 308	12 692	13 146
Canada	1 011	1 023	1 027	1 038	1 052	1 074	1 112
China <b>b</b>	12 100	12 550	13 200	13 700	13 350	13 000	13 400
European Union <b>c</b>	8 756	9 202	9 490	9 660	10 050	10 450	10 810
India	2 550	2 650	2 900	3 160	3 450	3 725	3 900
Russian Federation	2 060	2 310	2 575	2 830	3 010	3 260	3 600
United States	15 935	16 563	16 694	16 621	16 976	17 306	17 971
World	73 727	78 078	81 138	83 267	84 399	86 555	88 694

**a** Carcase weight equivalent. **b** Excludes Hong Kong. **c** Regarded as 28 countries.

Sources: Australian Bureau of Statistics, *Livestock Products, Australia*, cat.no. 7215.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 146** Volume of world pig meat trade for selected countries <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
<b>Exports <sup>b</sup></b>							
Australia	45	50	51	46	47	44	41
Canada	1 123	1 159	1 197	1 243	1 246	1 218	1 239
China <b>c</b>	232	278	244	235	244	276	231
European Union	1 367	1 706	2 150	2 165	2 227	2 164	2 389
United States	1 857	1 915	2 357	2 440	2 262	2 309	2 272
Total	5 629	6 029	6 954	7 263	7 008	6 962	7 224
<b>Imports <sup>b</sup></b>							
Australia	272	283	270	296	280	292	335
China	270	415	758	730	770	761	1 029
Japan	1 138	1 198	1 254	1 259	1 223	1 332	1 270
Mexico	678	687	594	706	783	818	981
United States	378	390	364	364	399	459	506
Total	5 497	5 846	6 559	6 858	6 595	6 333	6 706

**a** Carcase weight equivalent. **b** Excludes intra-EU trade. **c** Excludes Hong Kong.

Sources: Australian Bureau of Statistics, *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

TABLE 147 Australian supply and use of lamb and mutton

	Slaughterings a '000	Average weight b kg	Production b kt	Exports bc kt	Apparent consumption b kt
<b>Mutton</b>					
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	15 589	20.6	321.7	208.9	113.6
1999	15 457	21.0	324.5	209.4	108.7
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	13 114	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
2010	6 159	22.6	139.1	128.6	10.5
2011	4 933	23.2	114.4	108.2	6.2
2012	6 064	23.0	139.2	134.2	5.0
2013	9 615	22.5	216.6	206.1	10.5
2014	10 086	23.2	234.0	223.1	10.9
2015	8 487	23.8	201.9	179.0	22.9
<b>Lamb</b>					
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	15 724	19.2	302.0	88.1	213.3
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
2010	18 609	21.6	401.9	186.4	215.4
2011	17 793	22.1	393.0	193.1	199.9
2012	20 009	22.2	443.5	221.5	222.0
2013	21 886	21.5	469.9	249.9	220.0
2014	22 251	21.9	486.5	279.8	206.7
2015	22 876	22.2	508.6	277.3	231.3

a Excludes on-farm slaughter from July 2007. b Carcase weight. c Excludes canned and miscellaneous products.

Sources: ABARES; Australian Bureau of Statistics, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra



**TABLE 148** Australian sheep numbers, by state and territory <sup>a</sup>

	<b>New</b>			<b>South</b>	<b>Western</b>		<b>Australian</b>	
	<b>South Wales</b>	<b>Victoria</b>	<b>Queensland</b>	<b>Australia</b>	<b>Australia</b>	<b>Tasmania</b>	<b>Capital</b>	<b>Australia</b>
	million	million	million	million	million	million	million	million
<b>Total sheep and lambs</b>								
1991	59.763	27.494	17.440	17.153	36.465	4.804	0.118	163.238
1992	53.612	24.782	15.273	16.072	34.061	4.295	0.109	148.203
1993	48.112	23.552	13.407	15.702	32.962	4.264	0.101	138.099
1994	46.532	23.439	11.547	14.679	31.952	4.324	0.097	132.569
1995	40.516	21.371	11.577	13.249	30.218	3.853	0.078	120.862
1996	41.090	21.974	10.707	13.576	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	117.492
1999	40.583	20.994	10.556	13.065	26.378	3.801	0.080	115.456
2000	43.405	22.664	9.195	13.759	26.109	3.341	0.080	118.552
2001	40.887	22.272	8.660	12.585	23.129	3.284	0.110	110.928
2002	38.491	21.350	6.752	13.043	23.063	3.380	0.088	106.166
2003	33.706	20.388	4.815	13.060	23.887	3.299	0.098	99.252
2004	35.227	19.978	4.824	12.917	25.063	3.183	0.095	101.287
2005	34.341	20.575	4.949	12.476	25.592	3.105	0.087	101.125
2006	32.146	17.908	4.466	11.331	22.129	2.963	0.084	91.028
2007	28.607	17.174	4.378	11.641	21.136	2.717	0.059	85.711
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	24.366	14.378	3.622	8.989	14.692	1.991	0.047	68.085
2011	26.825	15.212	3.653	11.009	14.000	2.344	0.054	73.099
2012	27.582	15.928	3.493	10.885	14.394	2.385	0.055	74.722
2013	27.808	16.067	2.940	10.821	15.465	2.400	0.046	75.548
2014	26.713	15.365	2.340	10.971	14.406	2.777	0.041	72.612
2015	26.650	14.572	2.198	11.229	14.011	2.203	0.046	70.910

<sup>a</sup> At 30 June. Prior to 2000, as at 31 March. Livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 or more.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Historical Selected Agriculture Commodities, by state (1861 to present)*, 2010-11, cat. no. 7124.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra

**TABLE 149** Volume of Australian exports of sheep meat and live sheep, by destination

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Lamb a</b>								
China	kt	11.7	20.7	24.6	34.0	41.2	35.7	36.2
European Union	kt	12.4	13.8	11.8	12.1	13.9	12.3	10.0
United Kingdom	kt	9.1	11.0	8.5	9.6	11.1	9.5	7.0
Hong Kong	kt	12.1	5.2	5.4	3.7	10.0	6.7	1.0
Japan	kt	7.2	7.2	7.8	7.4	9.0	9.5	8.3
Middle East	kt	33.2	36.5	42.7	58.6	60.2	69.4	67.5
Bahrain	kt	0.1	0.0	0.2	9.7	13.3	9.4	4.0
Jordan	kt	10.9	7.5	13.0	12.2	12.0	16.2	15.0
Qatar	kt	0.5	1.2	5.2	5.6	8.3	12.7	15.5
Saudi Arabia	kt	3.0	3.4	4.2	3.6	4.8	6.1	6.7
United Arab Emirates	kt	13.5	12.8	12.4	14.9	16.5	18.3	20.7
Other Middle East	kt	5.2	11.6	7.7	12.7	5.3	6.6	5.6
Papua New Guinea	kt	8.7	9.9	11.7	13.4	9.9	11.7	16.6
United States	kt	36.9	33.4	34.7	37.5	42.3	48.2	53.6
Other	kt	34.9	29.9	35.0	33.8	39.8	48.1	48.6
Total	kt	157.0	156.6	173.8	200.6	226.3	241.6	241.9
<b>Mutton ab</b>								
China	kt	6.7	5.8	6.5	35.9	59.5	41.2	25.1
Japan	kt	4.3	4.0	3.4	3.3	4.6	4.0	5.1
Malaysia	kt	7.1	3.8	4.8	8.6	13.6	16.1	14.9
Middle East	kt	46.2	39.3	42.7	49.4	43.6	52.6	48.6
Bahrain	kt	3.5	6.6	8.2	2.3	0.0	0.0	5.0
Kuwait	kt	4.3	3.5	5.6	6.6	4.0	6.9	4.7
Saudi Arabia	kt	15.9	11.2	9.9	15.3	14.3	19.2	12.7
United Arab Emirates	kt	10.3	9.2	9.9	12.8	10.4	12.0	10.2
Other Middle East	kt	12.2	8.8	9.1	12.5	14.9	14.6	15.9
Singapore	kt	7.2	4.9	5.3	6.7	8.4	8.7	9.4
Taiwan	kt	5.7	3.4	5.0	5.5	7.4	7.6	4.9
United States	kt	8.5	8.0	4.8	10.1	10.5	11.8	13.8
Other	kt	25.3	17.0	16.6	24.7	35.7	27.5	26.1
Total	kt	110.9	86.2	89.1	144.1	183.2	169.5	147.9
<b>Live sheep c</b>								
Middle East	'000	2 961	2 447	2 232	1 903	1 968	2 069	1 791
Bahrain	'000	580	440	387	62	100	375	115
Jordan	'000	447	213	348	344	294	182	157
Kuwait	'000	954	1 154	901	693	759	665	692
Oman	'000	135	50	32	35	62	79	84
Qatar	'000	390	316	450	588	527	415	470
Saudi Arabia	'000	319	154	0	69	0	0	0
United Arab Emirates	'000	101	66	44	38	125	245	153
Other Middle East	'000	35	55	69	74	102	109	120
Singapore	'000	9	7	6	4	5	2	2
Turkey	'000	0	395	293	67	0	0	0
Other	'000	90	67	31	25	47	109	66
Total	'000	3 060	2 916	2 562	2 000	2 020	2 180	1 859

**a** Shipped weight. **b** Includes meat from young sheep and hoggets. **c** Includes animals for breeding.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra

**TABLE 150** Value of Australian exports of sheep meat and live sheep (fob)

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Lamb</b>							
China	34.1	62.8	73.3	107.8	184.2	152.4	122.0
European Union	84.8	106.8	94.5	76.4	112.4	104.7	89.1
United Kingdom	54.9	80.2	58.5	55.7	84.9	77.3	54.7
Hong Kong	41.2	21.2	21.1	16.0	42.9	32.5	10.2
Japan	52.0	60.5	63.1	53.7	76.2	87.5	71.2
Middle East	177.3	222.2	243.5	315.0	368.9	461.6	453.0
Bahrain	0.5	0.1	0.9	47.5	82.2	60.2	24.3
Jordan	48.4	34.2	57.0	55.5	64.4	97.0	89.2
Qatar	4.2	7.9	30.2	29.0	48.4	86.5	103.8
Saudi Arabia	20.4	22.4	27.0	21.2	34.3	43.0	47.5
United Arab Emirates	79.9	87.3	80.6	85.5	108.9	129.5	150.6
Other Middle East	23.9	70.3	47.7	76.2	30.8	45.4	37.6
Papua New Guinea	27.9	32.8	39.8	41.7	40.0	42.1	48.2
United States	303.1	334.5	305.1	295.4	399.2	503.7	524.9
Other	195.4	185.4	219.7	179.6	244.1	310.3	321.5
Total	915.7	1 026.2	1 059.9	1 085.5	1 467.9	1 694.9	1 639.9
<b>Mutton a</b>							
China	13.1	12.1	13.9	101.7	209.0	137.4	63.7
Japan	24.3	25.8	23.9	17.0	28.6	27.1	35.6
Malaysia	31.1	17.4	19.6	28.7	59.6	76.2	64.7
Middle East	188.6	199.5	179.1	174.0	185.2	253.6	226.2
Bahrain	17.6	36.0	35.2	9.1	0.0	0.2	21.5
Kuwait	17.5	16.8	23.2	23.1	17.4	32.2	21.7
Saudi Arabia	59.5	54.9	38.2	48.7	58.7	85.2	52.5
United Arab Emirates	45.4	49.1	45.4	48.3	48.4	63.2	50.8
Other Middle East	48.6	42.7	37.1	44.8	60.7	72.8	79.8
Singapore	29.6	25.1	22.4	23.4	38.8	41.5	46.7
Taiwan	20.5	12.9	19.2	17.0	26.6	35.1	20.5
United States	31.9	38.4	21.4	33.7	48.9	75.2	90.1
Other	93.5	72.3	62.4	84.3	161.6	131.8	115.7
Total	432.6	403.5	362.0	479.9	758.5	777.8	663.2
<b>Live sheep b</b>							
Middle East	286.4	294.9	300.0	183.2	175.5	216.7	210.2
Bahrain	55.1	52.9	54.6	7.3	9.7	40.7	13.5
Jordan	39.2	23.8	44.8	30.1	30.3	17.6	16.9
Kuwait	85.8	135.8	113.4	57.9	61.9	70.4	80.5
Oman	13.8	6.6	4.6	3.3	5.1	8.9	9.1
Qatar	46.6	41.8	67.8	66.1	46.7	43.8	53.6
Saudi Arabia	33.7	19.9	0.0	8.6	0.0	0.0	0.0
United Arab Emirates	9.1	8.0	6.3	3.0	11.3	24.2	19.0
Other Middle East	3.1	6.2	8.5	6.8	10.6	11.0	17.5
Singapore	1.7	1.3	1.2	0.8	1.0	0.7	0.6
Turkey	0.0	43.2	37.0	5.3	0.0	0.0	0.0
Other	9.7	8.7	6.8	4.7	8.2	27.5	16.7
Total	297.8	348.1	345.0	194.0	184.7	244.8	227.5

**a** Includes young sheep and hoggets. **b** Includes animals for breeding. **fob** free on board.

Sources: ABARES, Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Department of Agriculture and Water Resources, *Export Statistics*, Canberra

**TABLE 151** Prices for Australian lamb and mutton on principal overseas markets

	Lamb <sup>a</sup>				Mutton <sup>a</sup>		
	United Arab		United States		China	Japan	Saudi
	Bone in frozen Ac/kg fob	Emirates Carcases frozen Ac/kg fob	Bone in chilled <b>b</b> Ac/kg fob	Bone in frozen Ac/kg fob	Bone in frozen Ac/kg fob	Boneless chilled <b>b</b> Ac/kg fob	Boneless frozen Ac/kg fob
1991	477.6	199.2	467.4	229.1	na	190.3	176.7
1992	803.3	239.2	485.2	244.8	na	246.4	212.2
1993	589.2	213.3	551.4	299.8	na	283.8	208.1
1994	350.3	192.5	601.6	259.6	na	270.8	227.3
1995	407.3	213.1	680.7	277.0	107.6	310.0	259.6
1996	703.3	217.3	766.1	327.6	63.7	298.2	231.9
1997	965.6	234.4	811.6	351.4	232.3	263.4	284.6
1998	1 162.7	249.2	810.6	398.8	25.0	324.9	241.0
1999	599.1	222.8	861.5	374.2	61.1	344.5	217.8
2000	366.5	272.9	1 008.1	380.5	99.2	559.7	246.1
2001	302.7	290.6	946.1	472.9	119.2	717.8	363.3
2002	274.9	320.4	832.2	548.6	119.2	782.5	383.2
2003	239.0	322.2	1 007.6	505.0	109.5	728.6	333.4
2004	191.0	349.6	955.7	539.5	105.6	766.5	319.4
2005	160.8	362.1	927.3	547.5	109.2	519.0	331.8
2006	204.2	331.2	908.4	532.1	95.7	703.9	352.1
2007	336.7	315.7	851.5	512.8	107.6	925.9	310.3
2008	453.3	325.7	942.9	618.7	124.4	883.5	350.4
2009	1 307.1	375.2	987.5	721.1	179.3	793.4	344.4
2010	838.6	511.1	1 019.7	710.5	201.6	1 031.2	535.5
2011	601.2	529.6	1 214.2	796.1	203.7	1 119.7	457.2
2012	501.3	449.6	943.0	644.7	250.7	1 197.8	334.2
2013	584.3	419.9	1 039.1	710.6	308.4	911.3	349.0
2014	583.6	512.5	1 045.6	1 018.9	334.9	1 108.3	473.3
2015	736.8	538.7	1 095.0	1 192.6	284.7	1 485.7	425.6
<b>2014</b>							
March	592.5	378.9	1 109.4	722.1	338.8	1 048.1	415.5
June	562.6	707.7	955.9	1 026.1	327.8	1 084.5	458.9
September	560.0	476.8	1 062.7	1 160.0	314.1	1 197.7	500.2
December	619.4	486.5	1 054.2	1 167.4	359.1	1 103.0	518.6
<b>2015</b>							
March	647.9	534.3	1 064.0	1 170.5	333.6	1 366.4	452.7
June	623.0	542.5	1 052.1	1 372.9	274.9	1 496.2	405.8
September	833.2	566.9	1 091.0	1 181.2	248.9	1 479.4	426.9
December	843.1	511.2	1 172.7	1 045.7	281.5	1 600.7	417.0
<b>2016</b>							
March	839.0	456.7	1 026.9	929.6	221.3	1 631.1	479.5
June	812.8	503.2	1 099.0	943.9	245.7	1 644.3	375.9
September	802.9	524.0	1 075.1	1 060.4	254.8	1 591.3	389.4

<sup>a</sup> Average unit value of exports. <sup>b</sup> Fresh and chilled. **fob** free on board. **na** Not available.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 152** World sheep numbers, by country <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	million	million	million	million	million	million	million
Algeria	21.4	22.9	24.0	25.2	26.6	26.5	na
Argentina	15.3	15.0	14.7	14.3	12.1	12.2	na
Australia	76.9	72.7	68.1	73.1	74.7	75.5	72.6
Brazil	16.8	17.4	17.7	16.8	17.3	17.3	na
China <sup>b</sup>	170.0	176.9	178.1	183.3	150.0	158.5	na
Ethiopia	26.0	25.5	24.2	25.5	26.5	26.5	na
India	73.2	74.0	74.5	75.0	63.8	63.8	na
Iran	50.0	49.5	50.0	50.2	50.2	50.3	na
Morocco	17.0	18.0	18.7	19.0	20.0	19.8	na
New Zealand	32.4	32.6	31.1	31.3	30.8	29.8	na
Nigeria	34.7	37.4	38.0	38.5	39.0	39.2	na
Pakistan	27.4	27.8	28.1	28.4	28.8	28.8	na
Russian Federation	19.6	19.8	19.8	20.8	22.1	23.2	na
South Africa	25.0	24.5	24.3	24.4	25.0	24.9	na
Spain	19.7	18.6	17.0	16.3	16.1	16.0	na
Syria	18.3	15.5	18.1	18.1	18.0	18.0	na
Turkey	24.0	21.8	23.1	25.0	27.4	27.4	na
United Kingdom	31.4	31.1	31.6	32.2	32.9	34.0	na
United States	5.7	5.6	5.5	5.4	5.3	na	na
Uruguay	8.7	7.7	7.5	8.2	7.5	7.4	na
<b>Total</b>	<b>1 118.0</b>	<b>1 119.4</b>	<b>1 139.9</b>	<b>1 160.9</b>	<b>1 187.4</b>	<b>1 209.9</b>	<b>na</b>

<sup>a</sup> Mostly at 31 December of year shown. Data for Australia and New Zealand are at 30 June. <sup>b</sup> Excludes Hong Kong. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; Statistics New Zealand, Infoshare; United Nations FAO, *FAOSTAT*, Rome

**TABLE 153** World lamb and mutton production, by country <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
Algeria	197	205	253	261	280	na	na
Australia	624	541	507	583	687	720	710
China <sup>b</sup>	2 044	2 070	2 048	2 041	2 080	na	na
India	286	289	293	242	238	na	na
Iran	114	90	104	130	130	na	na
Morocco	134	139	143	148	118	na	na
New Zealand	479	470	445	447	449	na	na
Nigeria	149	171	172	170	173	na	na
Pakistan	155	156	158	160	162	na	na
Russian Federation	164	167	171	173	173	na	na
South Africa	147	141	132	134	135	na	na
Spain	124	131	131	122	118	114	117
Syria	190	153	172	183	171	na	na
Turkey	262	240	253	249	271	na	na
United Kingdom	307	277	289	276	290	298	300
Total	8 346	8 224	8 307	8 390	8 571	na	na

<sup>a</sup> Carcase weight. <sup>b</sup> Excludes Hong Kong. **na** Not available.

Sources: ABARES, Australian Bureau of Statistics, *Livestock and Meat, Australia*, cat. no. 7218.0.55.001, Canberra; Statistics New Zealand, Infoshare; United Nations FAO, *FAOSTAT*, Rome

**TABLE 154** Volume of trade in sheep meat, by selected countries <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
<b>Exports</b>							
Australia	299	255	242	295	386	423	385
New Zealand	371	354	328	349	398	396	392
<b>Imports</b>							
China	66	57	83	124	259	283	223
– from Australia	22	22	26	46	97	89	60
– from New Zealand	34	30	44	78	142	157	132
France	127	115	108	107	104	102	95
– from Australia	2	1	1	1	1	2	2
– from New Zealand	30	28	22	15	13	13	14
Saudi Arabia	48	57	49	53	51	57	61
– from Australia	24	15	16	17	17	24	24
– from New Zealand	17	20	16	19	15	14	16
United Kingdom	116	102	89	86	99	93	93
– from Australia	15	14	12	13	14	15	13
– from New Zealand	88	74	63	65	71	64	71
United States	78	75	74	79	85	98	103
– from Australia	49	43	39	44	48	59	63
– from New Zealand	20	25	22	19	20	20	24

<sup>a</sup> Shipped weight.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Statistics New Zealand, Infoshare; United Nations Commodity Trade Statistics Database; US Department of Agriculture, Economic Research Service, *Livestock and Meat International Trade*

**TABLE 155** Volume of New Zealand sheep meat exports, by destination <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Lamb</b>							
China	25.3	37.4	51.2	88.8	94.3	81.6	89.4
European Union	146.1	129.0	111.0	126.2	117.9	125.5	125.3
France	23.3	18.5	14.2	13.5	13.7	13.0	11.4
Germany	18.4	15.2	14.5	15.6	14.8	18.2	17.2
Netherlands	5.6	8.5	9.6	9.9	11.7	13.2	15.8
United Kingdom	66.1	54.7	53.0	67.1	59.7	59.8	60.6
Middle East	29.8	22.9	32.6	28.4	26.3	29.2	19.7
Jordan	7.3	7.3	11.3	8.4	7.5	8.9	8.8
Saudi Arabia	18.0	12.9	17.7	15.8	15.3	16.5	7.1
United States	19.5	17.4	14.8	17.7	17.7	19.5	19.2
Other	74.2	58.9	54.8	51.8	50.6	40.9	43.2
Total	294.9	265.7	264.3	312.9	306.8	296.6	296.8
<b>Mutton</b>							
China	3.0	5.8	11.1	44.1	65.1	47.9	41.8
European Union	18.1	20.7	17.1	14.0	10.3	13.0	14.9
Germany	3.1	4.4	4.9	4.1	2.5	2.1	2.6
United Kingdom	8.8	9.0	7.9	6.8	4.7	6.9	7.5
Malaysia	6.4	9.0	6.2	4.1	2.6	5.6	5.8
Mexico	2.2	2.7	1.9	1.5	0.8	1.3	0.8
Middle East	6.1	7.1	4.1	1.9	1.6	1.7	1.6
Oman	2.8	2.9	3.2	1.4	1.4	1.2	1.2
Taiwan	9.5	8.2	5.7	5.7	3.9	5.7	7.2
United States	4.5	7.5	3.2	2.8	1.5	3.7	3.1
Other	13.1	15.7	11.2	10.6	8.2	6.4	6.0
Total	62.8	76.6	60.5	84.7	94.0	85.3	81.2

<sup>a</sup> For October–September year. Shipped weight.

Source: Statistics New Zealand, Infoshare

**TABLE 156** Summary of Australian statistics for canola <sup>a</sup>

	Area	Yield	Production	Exports <sup>a</sup>	Domestic use <sup>b</sup>	Price <sup>c</sup>
	'000 ha	t/ha	kt	kt	kt	A\$/t
1989–90	50	1.57	78	0	78	na
1990–91	73	1.35	98	0	98	na
1991–92	151	1.13	170	11	160	na
1992–93	107	1.66	178	52	126	309
1993–94	177	1.73	305	103	202	345
1994–95	356	0.74	264	85	180	373
1995–96	377	1.48	557	384	173	360
1996–97	407	1.53	623	330	294	363
1997–98	697	1.23	855	555	301	368
1998–99	1 247	1.36	1 690	1 356	335	380
1999–2000	1 911	1.29	2 460	2 034	426	284
2000–01	1 459	1.22	1 775	1 392	383	336
2001–02	1 332	1.32	1 756	1 380	376	406
2002–03	1 298	0.67	871	517	354	475
2003–04	1 211	1.41	1 703	1 202	501	400
2004–05	1 377	1.12	1 542	892	650	342
2005–06	972	1.46	1 419	831	588	356
2006–07	1 052	0.55	573	228	402	492
2007–08	1 277	0.95	1 214	472	743	664
2008–09	1 693	1.09	1 844	1 067	778	587
2009–10	1 695	1.13	1 907	1 187	721	433
2010–11	2 078	1.14	2 359	1 549	810	539
2011–12	2 461	1.39	3 427	2 557	871	521
2012–13	3 272	1.27	4 142	3 512	631	560
2013–14	2 721	1.41	3 832	2 863	969	529
2014–15	2 897	1.22	3 540	2 626	915	484

<sup>a</sup> Seed only. November–October years. <sup>b</sup> Calculated as a residual: production plus imports less exports less any observed or assumed change in stocks. <sup>c</sup> Delivered Melbourne, July–June years. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra



**TABLE 157** Australian oilseeds area, yield and production, by state and type

		New			South	Western		
	Unit	South Wales	Victoria	Queensland	Australia	Australia	Tasmania	Australia a
<b>Canola</b>								
<b>Area</b>								
2009–10	'000 ha	297.8	231.2	2.8	180.5	981.4	1.3	1 695.0
2010–11	'000 ha	478.6	323.5	1.8	216.4	1 056.6	0.7	2 077.5
2011–12	'000 ha	729.2	477.4	1.3	283.2	969.0	0.7	2 461.0
2012–13	'000 ha	1 025.3	589.2	0.7	335.9	1 319.8	0.6	3 271.6
2013–14	'000 ha	672.9	439.4	2.3	297.3	1 307.5	1.2	2 720.8
2014–15	'000 ha	699.1	483.3	0.9	315.7	1 397.0	1.1	2 897.0
<b>Yield</b>								
2009–10	t/ha	0.9	1.4	0.4	1.4	1.1	1.8	1.1
2010–11	t/ha	1.7	1.5	1.3	1.7	0.7	1.5	1.1
2011–12	t/ha	1.5	1.4	1.1	1.5	1.3	1.1	1.4
2012–13	t/ha	1.4	1.6	0.4	1.4	1.4	2.0	1.4
2013–14	t/ha	1.5	1.2	0.5	1.0	1.2	1.6	1.2
2014–15	t/ha	1.4	1.6	0.4	1.4	1.4	2.0	1.4
<b>Production</b>								
2009–10	kt	281.3	331.4	1.2	259.9	1 031.3	2.2	1 907.3
2010–11	kt	805.2	476.2	2.4	359.0	714.9	1.1	2 358.7
2011–12	kt	1 091.9	688.6	1.4	412.8	1 231.9	0.8	3 427.3
2012–13	kt	1 494.7	866.2	0.7	415.0	1 364.2	0.9	4 141.7
2013–14	kt	922.4	710.0	0.9	419.4	1 776.6	2.5	3 832.0
2014–15	kt	1 013.7	558.7	0.4	324.5	1 640.9	1.8	3 540.0
<b>Cottonseed</b>								
<b>Area</b>								
2009–10	'000 ha	123.8	0.0	84.5	0.0	0.0	0.0	208.3
2010–11	'000 ha	347.7	0.0	242.5	0.0	0.0	0.0	590.2
2011–12	'000 ha	358.1	0.0	241.1	0.0	0.8	0.0	600.0
2012–13	'000 ha	284.0	0.0	159.0	0.0	0.0	0.0	443.0
2013–14	'000 ha	256.0	0.0	136.0	0.0	0.0	0.0	392.0
2014–15	'000 ha	124.0	0.0	73.0	0.0	0.0	0.0	197.0
<b>Yield</b>								
2009–10	t/ha	2.9	0.0	2.2	0.0	0.0	0.0	2.6
2010–11	t/ha	2.3	0.0	1.9	0.0	0.0	0.0	2.2
2011–12	t/ha	3.0	0.0	2.8	0.0	2.5	0.0	2.9
2012–13	t/ha	3.3	na	3.1	na	na	0.0	3.2
2013–14	t/ha	3.2	na	3.1	na	na	na	3.2
2014–15	t/ha	3.8	na	3.8	na	na	na	3.8
<b>Production</b>								
2009–10	kt	361.9	0.0	185.1	0.0	0.0	0.0	547.0
2010–11	kt	805.2	0.0	464.2	0.0	0.0	0.0	1 269.4
2011–12	kt	1 065.0	0.0	664.9	0.0	2.0	0.0	1 732.0
2012–13	kt	949.0	0.0	490.0	0.0	0.0	0.0	1 439.0
2013–14	kt	830.9	0.0	420.7	0.0	0.0	0.0	1 251.6
2014–15	kt	472.3	0.0	274.1	0.0	0.0	0.0	746.3

Continued

**TABLE 157** Australian oilseeds area, yield and production, by state and type *continued*

	Unit	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia a
<b>Peanut</b>								
<b>Area</b>								
2009–10	'000 ha	0.4	0.0	11.4	0.0	0.0	0.0	11.8
2010–11	'000 ha	0.2	0.0	7.1	0.0	0.0	0.0	7.3
2011–12	'000 ha	0.1	0.0	7.3	0.0	0.0	0.0	7.4
2012–13	'000 ha	0.4	0.0	7.2	0.0	0.0	0.0	7.6
2013–14	'000 ha	0.0	0.0	5.5	0.0	0.0	0.0	5.8
2014–15	'000 ha	0.1	0.0	4.7	0.0	0.0	0.0	4.8
<b>Yield</b>								
2009–10	t/ha	2.8	na	2.3	na	na	na	2.3
2010–11	t/ha	3.2	na	2.5	na	na	na	2.5
2011–12	t/ha	3.6	na	3.1	na	na	na	3.1
2012–13	t/ha	6.9	na	2.6	na	na	na	2.9
2013–14	t/ha	na	na	2.9	na	na	na	3.0
2014–15	t/ha	4.5	na	3.2	na	na	na	3.2
<b>Production</b>								
2009–10	kt	1.1	0.0	26.3	0.0	0.0	0.0	27.4
2010–11	kt	0.6	0.0	17.8	0.0	0.0	0.0	18.4
2011–12	kt	0.3	0.0	22.3	0.0	0.0	0.0	22.6
2012–13	kt	3.0	0.0	18.8	0.0	0.0	0.0	21.8
2013–14	kt	0.0	0.0	15.9	0.0	0.0	0.0	17.3
2014–15	kt	0.3	0.0	15.3	0.0	0.0	0.0	15.6
<b>Other oilseeds a</b>								
<b>Area</b>								
2009–10	'000 ha	59.8	3.7	21.9	1.9	6.8	0.3	94.4
2010–11	'000 ha	43.0	6.0	15.2	1.0	0.0	0.2	65.3
2011–12	'000 ha	32.9	10.5	23.0	3.3	2.5	1.8	73.9
2012–13	'000 ha	63.5	10.8	21.5	4.8	5.0	0.0	105.7
2013–14	'000 ha	34.4	3.4	9.9	2.4	7.4	0.0	57.5
2014–15	'000 ha	26.7	5.8	16.1	0.6	4.4	0.0	53.5
<b>Yield</b>								
2009–10	t/ha	1.2	0.7	1.4	1.5	1.8	1.2	1.3
2010–11	t/ha	1.3	0.6	1.1	1.1	0.2	0.4	1.2
2011–12	t/ha	1.5	0.9	1.3	1.7	1.3	1.4	1.4
2012–13	t/ha	1.2	1.2	1.3	0.9	1.0	na	1.2
2013–14	t/ha	1.1	1.0	1.1	0.6	1.2	na	1.1
2014–15	t/ha	1.6	1.1	1.3	0.9	1.0	na	1.4
<b>Production</b>								
2009–10	kt	69.9	2.6	30.6	3.0	11.9	0.3	118.3
2010–11	kt	56.1	3.9	17.4	1.0	0.0	0.1	78.5
2011–12	kt	48.2	9.6	31.1	5.7	3.3	2.5	100.3
2012–13	kt	77.0	13.1	28.3	4.5	4.8	1.7	129.4
2013–14	kt	37.0	3.5	11.2	1.4	9.0	0.5	62.5
2014–15	kt	42.8	6.1	20.1	0.5	4.2	1.0	74.7

a Other oilseeds include linseed, safflower seed, sesame seed, soybeans and sunflower seed. na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), Agriculture, Australia, cat. no. 7113.0, Canberra; ABS, Agricultural Commodities, Australia, cat. no. 7121.0, Canberra

**TABLE 158** Australian exports of oilseeds, vegetable oils and meals, by type <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Oilseeds</b>							
Canola	1 238.48	1 470.74	2 322.84	3 487.80	3 194.39	2 444.87	1 945.60
Cottonseed	105.51	267.94	653.61	753.64	463.66	166.72	146.70
Linseed	0.17	0.02	0.01	0.05	0.02	0.01	0.02
Peanuts	4.88	3.46	2.89	2.76	3.16	2.98	3.38
Safflowerseed	0.02	0.10	1.16	3.05	0.86	0.42	1.56
Soybeans	6.75	2.09	1.14	3.14	9.00	2.19	4.76
Sunflowerseed	1.63	0.94	0.61	0.95	0.51	0.17	0.27
Total <b>b</b>	1 357.44	1 745.28	2 982.25	4 251.39	3 671.61	2 617.37	2 102.29
(value, \$m)	652.97	964.93	1 548.62	2 327.04	2 115.43	1 437.65	1 184.95
<b>Oils</b>							
Canola	87.13	104.25	117.35	116.16	151.68	159.47	154.12
Cottonseed	5.35	18.24	2.07	3.68	3.00	4.30	5.22
Linseed	0.03	0.04	0.04	0.01	0.04	0.10	1.77
Palm	0.04	0.00	0.00	0.00	0.02	0.02	0.05
Peanut	0.93	0.08	0.07	0.38	0.70	1.19	0.99
Soybeans	3.27	0.97	0.18	1.42	2.05	4.99	4.19
Sunflowerseed and Safflowerseed	0.04	0.20	0.40	1.49	0.22	0.04	0.38
Olive	6.90	6.11	5.17	3.03	4.88	4.41	4.83
Other	13.96	16.86	15.13	19.85	18.68	18.87	16.61
Total	117.65	146.74	140.41	146.02	181.27	193.39	188.15
(value, \$m)	211.69	225.78	234.08	246.83	269.20	262.52	301.12
<b>Oilseed meals</b>							
Canola	19.03	31.50	21.57	41.17	42.23	36.91	22.86
Cottonseed	11.50	31.75	42.10	42.58	35.77	22.46	0.17
Linseed	0.00	0.00	0.0	0.0	0.0	0.0	0.0
Soybeans	2.19	3.51	6.36	2.94	2.02	1.41	1.55
Sunflowerseed	1.20	1.75	2.04	1.68	0.0	0.00	0.00
Other <sup>c</sup>	27.16	35.40	21.67	43.12	43.84	37.85	23.75
Total	61.08	103.90	93.75	131.49	123.86	98.63	48.33
(value, \$m)	28.38	36.18	33.45	50.32	56.83	44.92	18.36

<sup>a</sup> July–June year. <sup>b</sup> Excludes sesame seed and other oleaginous fruit. <sup>c</sup> Includes flour, meal of oilseeds, and oleaginous fruit. Excludes peanut meal.

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

**TABLE 159** Volume of Australian exports of selected oilseeds products, by destination <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Oilseeds</b>							
<b>Canola</b>							
Bangladesh	75.88	8.88	15.01	104.50	0.0	10.88	11.33
Belgium	314.69	221.52	641.95	829.18	660.04	486.70	636.14
China	0.00	0.00	0.00	382.63	946.92	532.79	0.0
France	0.00	45.51	45.00	281.07	358.76	203.46	228.59
Germany	0.00	223.42	275.54	178.31	354.02	132.89	619.18
Japan	214.16	70.84	74.31	111.56	179.30	308.09	90.33
Netherlands	0.58	856.30	998.03	604.61	119.99	237.70	281.89
Pakistan	552.61	1.87	161.93	551.57	214.43	145.94	0.0
Other	80.57	42.39	111.07	444.37	360.92	386.42	78.14
Total	1 238.48	1 470.74	2 322.84	3 487.80	3 194.39	2 444.87	1 945.60
<b>Cottonseed</b>							
Japan	69.49	71.89	108.72	113.57	77.83	47.88	58.17
Korea, Rep. of	13.32	51.84	97.26	134.07	87.52	32.71	41.46
Saudi Arabia	0.00	0.00	1.32	0.41	9.84	12.53	11.98
Taiwan	0.03	0.02	0.35	0.55	0.33	0.0	0.50
United States	22.50	0.0	62.50	166.37	180.83	53.47	3.49
Other	0.17	144.18	383.46	338.69	107.31	20.13	31.10
Total	105.51	267.94	653.61	753.64	463.66	166.72	146.70
<b>Canola oil <sup>b</sup></b>							
China	0.07	0.54	11.92	19.18	20.93	36.18	na
Japan	1.84	6.50	8.37	6.76	2.56	9.39	na
Korea, Rep. of	31.01	33.48	21.23	21.32	37.37	18.48	na
Malaysia	12.85	11.40	26.53	19.67	41.89	19.12	na
New Zealand	21.24	19.41	26.38	26.11	18.47	24.05	na
Other	20.12	32.92	22.91	23.12	30.47	52.25	na
Total	87.13	104.25	117.35	116.16	151.68	159.47	154.12
<b>Canola meal</b>							
New Zealand	6.52	13.99	11.21	7.67	42.23	36.77	12.54
Taiwan	3.01	1.40	0.09	2.17	0.00	0.00	0.00
Vietnam	0.00	16.00	0.78	18.83	0.00	0.09	1.32
Other	9.49	0.12	9.50	12.51	0.00	0.05	9.00
Total	19.03	31.50	21.57	41.17	42.23	36.91	22.86
<b>Cottonseed meal</b>							
Korea, Rep. of	10.84	20.62	23.90	7.18	13.88	3.54	0.00
New Zealand	0.02	8.40	16.45	27.73	21.89	18.93	0.17
Other	0.64	2.74	1.74	7.66	0.00	0.00	0.00
Total	11.50	31.75	42.10	42.58	35.77	22.46	0.17

<sup>a</sup> July–June year. <sup>b</sup> Canola oil exports not available on a destination basis for 2015–16 due to data confidentiality restrictions from October 2015 onwards.

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

**TABLE 160** Volume of Australian imports of oilseeds, vegetable oils and meals, by type <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Oilseeds</b>							
Canola	0.37	0.55	0.66	1.10	0.62	0.66	0.46
Copra	5.31	0.91	0.00	0.00	0.00	0.57	1.92
Linseed	0.46	0.25	1.74	0.99	1.01	4.16	1.31
Peanuts	11.34	13.24	11.70	11.95	13.62	18.59	21.82
Soybeans	1.12	1.12	1.25	1.52	0.93	1.12	0.86
Sunflowerseed	2.21	2.07	2.17	2.59	3.98	5.57	5.03
Other <b>b</b>	8.39	7.94	7.58	8.56	10.35	11.49	11.39
Total	29.21	26.07	25.10	26.72	30.52	42.17	42.78
(value, \$m)	42.80	44.47	46.37	57.14	75.30	94.56	91.88
<b>Oils</b>							
Canola	12.05	12.42	13.83	14.96	23.10	26.55	21.83
Cottonseed	4.17	2.98	4.47	4.21	5.29	12.26	12.91
Linseed	2.47	1.78	1.68	0.78	1.23	1.43	1.35
Maize	1.77	4.23	3.79	4.45	5.31	2.89	2.47
Peanut	0.32	0.38	0.75	0.64	1.17	1.26	1.20
Safflowerseed and sunflowerseed	33.94	48.86	42.44	39.26	61.88	46.68	60.34
Soybean	21.75	24.01	22.62	18.01	24.77	29.50	28.27
Castor	1.65	1.85	1.62	1.06	1.06	1.32	0.88
Coconut	10.54	12.68	12.15	14.11	11.20	12.87	12.94
Olive	35.74	35.41	30.62	30.29	27.98	25.79	25.00
Palm	47.78	43.80	37.30	38.37	52.65	60.33	70.60
Palm kernel	8.91	9.27	7.72	8.73	6.96	7.99	7.57
Palm olein	61.27	63.10	48.24	44.87	40.14	36.88	50.70
Palm stearin	22.03	21.41	17.38	17.97	12.03	11.83	12.27
Tung	0.23	0.30	0.08	0.00	0.00	0.00	0.00
Other <b>c</b>	98.28	32.33	22.23	44.64	32.73	36.29	82.71
Total oils	362.90	314.81	266.91	282.34	307.50	313.86	391.05
(value, \$m)	541.88	577.18	559.17	524.13	577.16	630.46	744.08
<b>Oilseed meals</b>							
Soybeans	512.64	520.70	607.11	636.68	572.25	731.07	705.57
Other <b>d</b>	98.28	32.33	22.23	44.64	32.73	36.29	82.71
Total	610.92	553.04	629.33	681.33	604.98	767.37	788.27
(value, \$m)	242.77	212.04	223.94	337.68	344.70	394.58	351.47

**a** July–June year. **b** Oilseeds, oleaginous fruit, used for extraction of vegetable oils, not elsewhere specified. **c** 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. **d** Includes flours.

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

TABLE 161 Summary of world statistics for oilseeds a

	Area b	Production	Closing stocks			to use		per	
			Use c	World d	Exporters e	ratio	Exports f	person	Price g
	million ha	Mt	Mt	Mt	Mt	%	Mt	kg	US\$/t
1971–72	69.3	78.1	80.2	4.3	3.2	5.3	15.3	21.1	na
1972–73	97.3	102.2	104.1	4.3	2.9	4.1	18.5	27.2	267.0
1973–74	100.7	116.6	115.2	7.5	5.8	6.5	19.2	29.5	260.0
1974–75	99.1	107.9	110.7	8.7	6.9	7.8	16.1	27.8	249.0
1975–76	97.9	116.4	117.9	11.3	8.9	9.6	20.4	29.0	215.0
1976–77	94.8	104.9	114.7	5.1	3.9	4.4	20.4	27.7	288.0
1977–78	113.1	138.1	137.5	12.7	10.6	9.2	27.1	32.7	259.0
1978–79	118.0	145.2	146.0	13.0	10.6	8.9	30.1	34.1	295.0
1979–80	123.4	164.6	153.9	23.6	20.6	15.3	34.4	35.3	278.0
1980–81	121.1	150.8	155.4	19.9	17.3	12.8	31.5	35.0	310.0
1981–82	124.2	165.3	166.6	18.7	15.8	11.2	35.3	36.9	253.0
1982–83	125.2	173.8	171.9	20.2	17.2	11.8	34.7	37.4	260.0
1983–84	123.4	161.1	164.7	15.9	12.6	9.7	32.4	35.2	301.1
1984–85	131.0	186.9	181.5	21.5	17.6	11.8	32.3	38.1	223.0
1985–86	129.8	191.6	187.2	27.0	23.8	14.4	33.7	38.6	210.8
1986–87	126.3	189.6	194.4	23.1	19.4	11.9	36.9	39.3	208.7
1987–88	133.4	205.3	202.1	24.4	19.8	12.1	38.9	40.2	282.3
1988–89	140.1	199.7	201.2	23.7	19.6	11.8	31.6	39.2	292.3
1989–90	140.2	210.6	209.1	25.1	21.0	12.0	35.5	40.1	246.9
1990–91	139.5	213.7	215.1	24.7	20.9	11.5	33.5	40.5	241.4
1991–92	145.0	222.4	224.1	22.9	19.1	10.2	34.2	41.5	237.4
1992–93	143.9	226.0	225.1	24.8	21.2	11.0	35.4	41.0	246.2
1993–94	147.4	227.2	230.5	22.1	18.3	9.6	36.0	41.4	258.8
1994–95	155.5	260.9	255.0	28.7	24.6	11.2	41.5	45.1	247.6
1995–96	161.5	257.6	262.8	23.8	18.9	9.1	41.6	45.8	304.0
1996–97	157.2	261.5	263.7	20.6	14.4	7.8	46.1	45.3	304.0
1997–98	164.1	286.9	275.3	30.9	23.7	11.2	49.3	46.7	257.0
1998–99	171.4	294.7	291.9	34.4	27.4	11.8	51.1	48.9	209.0
1999–2000	174.3	304.3	300.1	38.1	28.8	12.7	59.5	49.6	210.0
2000–01	175.7	316.0	312.7	40.1	29.5	12.8	66.9	51.0	200.9
2001–02	178.9	326.7	325.4	42.7	33.9	13.1	62.4	52.4	201.0
2002–03	176.6	334.2	328.4	49.4	39.8	15.0	70.0	52.3	244.8
2003–04	192.6	337.9	338.2	46.4	37.6	13.7	66.8	53.2	320.6
2004–05	198.8	383.1	368.5	59.8	45.5	16.2	74.4	57.2	274.5
2005–06	199.9	394.4	386.9	66.8	52.3	17.3	75.8	59.3	260.9
2006–07	199.7	405.7	394.3	75.2	63.0	19.1	83.1	59.7	335.4
2007–08	194.4	391.3	402.7	63.1	52.5	15.7	91.4	60.3	549.4
2008–09	205.3	399.1	404.6	58.0	38.6	14.3	94.7	59.8	420.8
2009–10	210.1	447.2	425.3	75.3	48.1	17.7	107.0	62.1	429.2
2010–11	218.3	461.0	447.6	85.3	55.4	19.1	109.1	64.6	549.3
2011–12	220.2	447.4	467.3	66.5	35.2	14.2	111.7	66.6	562.3
2012–13	227.1	474.5	469.5	67.8	43.0	14.4	118.5	66.1	550.8
2013–14	230.2	503.5	493.5	77.7	50.0	15.7	133.6	68.7	518.0
2014–15	234.1	536.9	517.1	93.4	63.0	18.1	147.1	71.2	407.0

a Oilseeds include copra, cottonseed, palm kernels, peanuts, rapeseed (including canola), soybeans and sunflowerseed. b Area does not include copra or palm kernels. c Consumption, including crush etc. d Sum of individual closing stocks at the end of respective national crop years. e Argentina, Brazil, Canada and United States. f Sum of individual country marketing years. g US soybeans, cif Rotterdam, marketing year October–September. na Not available.

Sources: ABARES; *Oilseeds: World Markets and Trade*, Washington DC; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

TABLE 162 World oilseeds production, by country <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	kt	kt	kt	kt	kt	kt	kt
Africa							
South Africa	1 462	1 190	1 721	1 276	1 410	1 898	1 834
Americas							
Argentina	35 611	57 893	54 230	44 867	53 810	57 005	66 242
Brazil	60 145	71 230	78 922	70 018	84 550	90 011	100 111
Canada	16 086	16 581	17 302	19 095	19 042	23 962	22 514
Paraguay	3 909	6 773	7 373	4 260	8 437	8 317	8 250
United States	89 201	98 951	100 432	92 442	93 323	99 016	116 029
Asia							
China	58 122	57 843	58 060	59 595	59 753	58 640	57 657
India	33 303	32 950	35 906	37 692	36 806	36 864	32 284
Indonesia	9 132	9 437	9 572	10 177	10 797	11 502	12 087
Malaysia	4 476	4 552	4 554	4 595	4 900	5 130	5 080
Pakistan	4 426	4 566	4 428	5 168	4 546	4 593	5 107
Philippines	2 575	2 583	2 863	2 487	2 705	2 334	2 287
Turkey	1 675	1 540	1 907	2 150	2 240	2 490	2 590
Turkmenistan	605	575	685	598	666	607	598
Uzbekistan	1 800	1 528	1 646	1 568	1 803	1 607	1 528
Europe							
European Union <sup>b</sup>	27 501	29 919	29 322	29 465	28 080	32 051	35 928
Russian Federation	8 252	7 493	6 720	11 659	10 123	12 618	12 060
Ukraine	10 686	10 517	11 250	13 501	12 710	16 726	16 300
Oceania							
Australia	2 471	2 600	3 725	5 282	5 732	5 163	4 377
Other countries	27 639	28 456	30 394	31 498	33 100	32 999	34 006
<b>Total</b>	<b>399 077</b>	<b>447 177</b>	<b>461 012</b>	<b>447 393</b>	<b>474 533</b>	<b>503 533</b>	<b>536 869</b>

<sup>a</sup> Oilseeds include copra, cottonseed, palm kernels, peanuts, rapeseed (including canola), soybeans and sunflowerseed. <sup>b</sup> Regarded as 28 countries.

Sources: ABARES; Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat no. 7121.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

TABLE 163 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
1971-72	860	4 389	21 631	3 286	906	11 777	7 678	1 937	43 441	10 019
1972-73	844	3 711	22 400	2 522	859	14 421	7 262	1 791	43 906	9 685
1973-74	1 032	3 204	22 862	2 490	993	16 251	7 110	1 801	54 007	12 175
1974-75	1 118	4 385	22 985	2 194	1 049	16 651	7 821	1 746	44 246	10 725
1975-76	787	5 020	19 888	2 570	1 078	18 468	8 402	1 710	53 633	9 959
1976-77	663	4 571	20 064	2 226	1 122	16 378	7 127	1 695	45 463	10 130
1977-78	717	4 745	22 685	2 858	1 157	16 735	7 836	1 827	72 148	12 822
1978-79	849	4 132	21 458	2 939	1 285	17 711	10 635	1 888	77 408	12 620
1979-80	876	4 287	23 248	2 940	1 415	17 140	9 944	1 911	93 389	15 162
1980-81	776	4 757	23 481	2 266	1 436	16 040	11 054	1 733	80 926	13 090
1981-82	930	4 508	26 476	2 247	1 708	19 604	12 267	2 166	86 083	14 664
1982-83	946	4 392	25 754	2 739	1 767	17 191	14 720	1 856	93 455	16 530
1983-84	978	3 693	24 213	2 340	1 975	18 517	14 280	1 993	83 104	15 328
1984-85	1 086	4 592	32 824	2 611	2 188	19 522	16 953	1 992	93 063	17 776
1985-86	1 225	5 231	29 413	2 595	2 467	19 604	18 571	2 309	97 006	19 336
1986-87	939	4 625	26 281	2 801	2 454	20 141	19 338	2 269	98 049	18 755
1987-88	814	4 299	30 198	2 851	2 609	20 598	23 192	2 246	103 654	20 798
1988-89	1 011	4 265	31 380	2 418	2 858	22 713	22 556	2 164	95 857	20 023
1989-90	1 095	5 022	29 816	2 271	3 256	21 761	21 885	2 108	107 192	21 666
1990-91	1 358	4 684	32 284	2 923	3 257	21 747	25 106	2 379	104 290	22 327
1991-92	1 183	4 665	35 502	2 691	3 330	21 953	28 226	2 225	107 297	21 402
1992-93	1 146	4 838	30 797	2 224	3 899	23 077	25 288	2 453	117 206	20 897
1993-94	1 088	4 890	28 929	2 189	4 129	24 298	26 633	2 278	117 582	20 752
1994-95	1 228	5 533	32 311	2 457	4 484	27 482	30 190	2 258	137 646	23 267
1995-96	1 086	5 136	35 181	2 524	4 869	27 630	34 331	2 520	124 699	25 716
1996-97	1 260	6 140	33 660	2 478	5 232	29 118	31 473	2 782	131 943	23 911
1997-98	1 206	5 455	34 370	2 277	5 098	27 518	33 122	2 569	157 950	23 390
1998-99	1 198	4 404	32 379	2 742	5 642	29 960	35 755	2 552	159 827	26 691
1999-2000	1 141	5 457	32 981	2 695	6 396	29 416	42 524	2 583	160 307	27 205
2000-01	1 376	5 789	33 663	2 013	7 110	33 332	37 349	2 775	175 819	22 928
2001-02	1 117	5 128	36 523	1 875	7 237	35 617	36 021	3 118	184 896	21 261
2002-03	966	5 140	33 763	1 922	7 867	33 549	33 277	2 831	196 918	23 730
2003-04	1 249	5 330	36 073	2 087	8 557	35 166	39 459	3 196	186 758	26 591
2004-05	1 296	5 529	45 352	1 913	9 696	34 987	46 238	3 469	215 862	25 388
2005-06	1 500	5 399	43 113	2 757	10 123	35 749	48 933	3 472	221 197	29 922
2006-07	1 168	5 066	46 085	2 519	10 396	32 592	45 808	3 664	235 703	30 080
2007-08	1 452	5 499	45 603	1 665	11 335	34 141	48 369	3 744	218 966	27 365
2008-09	1 623	5 619	41 347	1 990	12 148	36 936	58 007	3 821	212 036	32 984
2009-10	1 412	5 614	39 466	2 184	12 626	36 412	61 022	3 966	260 484	31 553
2010-11	1 735	5 691	44 328	1 830	13 143	39 896	60 949	4 388	264 289	32 716
2011-12	2 735	5 521	48 007	2 184	14 030	38 977	61 646	4 670	240 559	38 653
2012-13	2 240	5 721	46 351	2 062	15 090	39 792	64 061	5 042	268 532	34 986
2013-14	1 845	5 417	45 017	2 299	15 968	41 399	71 665	4 948	282 463	41 604
2014-15	1 948	5 430	44 374	2 565	16 566	39 841	71 454	5 469	319 780	39 424

a Includes canola.

Sources: United Nations FAO; *United Nations FAOSTAT database*, United Nations FAO; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC



TABLE 164 Volume of world oilseeds trade, by type and country <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Rapeseed <b>b</b>	12.19	10.83	10.18	13.25	12.83	15.56	14.36
China	3.03	2.18	0.93	2.62	3.42	5.05	4.59
European Union <b>c</b>	3.35	2.08	2.62	3.75	3.38	3.52	2.32
Japan	2.12	2.28	2.32	2.35	2.50	2.38	2.49
Soybeans	77.90	87.52	89.76	94.55	97.20	113.07	123.87
China	41.10	50.34	52.34	59.23	59.87	70.36	78.35
European Union <b>c</b>	13.21	12.68	12.47	12.07	12.54	13.29	13.42
Japan	3.40	3.40	2.92	2.76	2.83	2.89	3.00
Mexico	3.33	3.52	3.50	3.61	3.41	3.84	3.82
Sunflowerseed	1.88	1.49	1.58	1.66	1.32	1.54	1.48
European Union <b>c</b>	0.64	0.27	0.38	0.28	0.21	0.32	0.27
Israel	0.01	0.00	0.00	0.00	0.00	0.01	0.00
Mexico	0.01	0.01	0.02	0.02	0.01	0.02	0.02
Pakistan	0.19	0.09	0.04	0.16	0.00	0.20	0.18
Turkey	0.45	0.74	0.71	0.83	0.63	0.58	0.47
Other oilseeds <b>d</b>	2.57	2.73	3.41	3.63	3.35	3.29	3.35
Total	94.53	102.58	104.93	113.09	114.70	133.45	143.06
<b>Exports</b>							
Rapeseed <b>b</b>	12.20	10.90	10.93	12.99	12.56	15.10	15.07
Australia	1.07	1.19	1.55	2.56	3.51	2.86	2.63
Canada	7.90	7.17	7.21	8.70	7.11	9.18	9.22
Ukraine	2.64	1.79	1.42	1.21	1.27	2.24	1.96
Soybeans	77.21	91.44	91.71	92.19	100.80	112.68	126.22
Argentina	5.59	13.09	9.21	7.37	7.74	7.84	10.57
Brazil	29.99	28.58	29.95	36.26	41.90	46.83	50.61
United States	34.82	40.80	40.96	37.19	36.13	44.59	50.14
Sunflowerseed	2.15	1.55	1.78	1.93	1.45	1.96	1.66
European Union <b>c</b>	0.49	0.57	0.60	0.60	0.52	0.71	0.52
Russian Federation	0.16	0.02	0.01	0.33	0.04	0.14	0.06
Ukraine	0.77	0.35	0.44	0.28	0.13	0.07	0.05
United States	0.18	0.18	0.16	0.11	0.14	0.12	0.12
Other oilseeds <b>d</b>	3.10	3.10	4.70	4.58	3.70	3.89	4.10
Total	94.65	106.99	109.12	111.68	118.51	133.62	147.06

**a** Local marketing years, imports may not equal exports in any given period as a result of lags in shipping time.

**b** Includes canola. **c** Regarded as 28 countries; excludes intra-EU trade. **d** Copra, cottonseed, palm kernels and peanuts.

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

**TABLE 165** Volume of world protein meals trade, by type and country a

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Palm kernel meal	4.37	5.03	4.92	5.77	6.12	6.32	6.36
European Union <b>b</b>	2.48	1.92	2.13	2.73	2.64	2.26	2.18
New Zealand	0.67	1.40	1.37	1.36	1.60	2.01	2.22
Rapeseed meal <b>c</b>	3.77	3.87	5.26	5.49	5.57	6.46	6.03
United States	1.69	1.16	2.04	2.79	3.12	3.39	3.50
Soybean meal	51.67	53.45	56.86	57.00	53.84	57.93	60.36
European Union <b>b</b>	21.15	20.88	21.88	20.87	16.94	18.14	19.16
Indonesia	2.34	2.51	3.07	3.28	3.37	3.98	3.84
Thailand	2.16	2.51	2.32	2.94	2.87	2.67	3.07
Vietnam	2.53	2.88	2.72	2.28	2.98	3.34	4.50
Sunflowerseed meal	4.19	3.69	4.05	6.41	4.91	5.76	5.51
European Union <b>b</b>	2.51	2.02	2.27	3.86	3.03	3.37	3.21
Turkey	0.31	0.43	0.50	0.74	0.43	0.76	0.77
Other meals <b>c</b>	4.40	4.31	3.91	4.41	3.93	3.90	3.48
<b>Total</b>	<b>68.40</b>	<b>70.35</b>	<b>75.00</b>	<b>79.08</b>	<b>74.37</b>	<b>80.36</b>	<b>81.74</b>
<b>Exports</b>							
Palm kernel meal	4.66	4.97	5.20	5.82	6.11	6.38	6.46
Indonesia	2.49	2.61	2.95	3.38	3.50	3.67	3.96
Malaysia	2.06	2.23	2.11	2.28	2.41	2.49	2.34
Rapeseed meal	3.61	3.61	5.20	5.45	5.54	6.08	5.85
Canada	1.86	1.93	3.00	3.31	3.41	3.43	3.64
India	0.77	0.90	1.40	1.07	1.05	1.33	0.84
Soybean meal	52.84	55.61	58.54	58.23	57.93	60.21	64.01
Argentina	24.03	24.91	27.62	26.04	23.67	24.97	28.58
Brazil	13.11	12.99	13.99	14.68	13.24	13.95	14.39
United States	7.71	10.13	8.24	8.85	10.11	10.50	11.89
Sunflowerseed meal	4.27	4.11	4.59	6.77	5.11	6.22	5.87
Argentina	0.72	0.59	0.74	0.84	0.33	0.36	0.56
Russian Federation	0.97	0.66	0.58	1.68	1.37	1.73	1.33
Ukraine	2.21	2.52	2.93	3.84	3.05	3.65	3.39
Other meals <b>c</b>	4.04	3.98	3.78	4.12	3.94	3.51	3.26
<b>Total</b>	<b>69.42</b>	<b>72.28</b>	<b>77.32</b>	<b>80.38</b>	<b>78.64</b>	<b>82.40</b>	<b>85.46</b>

a Local marketing years, imports may not equal exports in any given period, as a result of lags in shipping time. **b** Regarded as 28 countries; excludes intra-EU trade. **c** Includes copra meal, cottonseed meal, fish meal and peanut meal.

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

**TABLE 166** Volume of world vegetable oils trade, by type and country <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Palm oil	34.16	35.53	36.67	38.86	42.13	41.99	44.62
China	6.12	5.76	5.71	5.84	6.59	5.57	5.70
European Union <b>b</b>	5.51	5.44	4.94	5.71	6.81	6.97	6.72
India	6.87	6.60	6.66	7.47	8.36	7.82	9.26
Rapeseed oil <b>c</b>	2.47	2.95	3.37	4.05	3.93	3.83	3.96
China	0.45	0.79	0.65	1.04	1.60	0.90	0.73
India	0.04	0.02	0.01	0.10	0.01	0.16	0.38
United States	1.05	1.07	1.42	1.49	1.25	1.54	1.68
Soybean oil	9.17	8.73	9.51	7.98	8.50	9.28	9.99
China	2.49	1.51	1.32	1.50	1.41	1.35	0.77
India	1.06	1.60	0.95	1.17	1.09	1.83	2.80
Sunflowerseed oil	4.17	3.86	3.85	5.87	5.19	6.98	6.14
European Union <b>b</b>	1.06	0.97	0.82	0.99	0.94	1.04	0.82
India	0.58	0.61	0.78	1.11	0.94	1.53	1.53
Turkey	0.43	0.18	0.40	0.65	0.66	0.78	0.81
Other vegetable oils <b>d</b>	4.99	5.87	5.29	5.51	5.83	5.28	5.97
Total	54.97	56.94	58.68	62.26	65.60	67.37	70.68
<b>Exports</b>							
Palm oil	35.28	36.44	37.27	39.82	43.15	43.21	47.46
Indonesia	15.96	16.57	16.42	18.45	20.37	21.72	25.96
Malaysia	15.99	16.61	17.15	17.59	18.52	17.34	17.38
Rapeseed oil <b>c</b>	2.47	2.75	3.43	3.98	3.95	3.83	4.07
Canada	1.53	1.81	2.42	2.68	2.52	2.35	2.41
Soybean oil	9.18	9.17	9.66	8.52	9.36	9.46	11.09
Argentina	4.70	4.45	4.56	3.79	4.24	4.09	5.09
Brazil	1.91	1.45	1.67	1.89	1.25	1.38	1.51
United States	1.00	1.52	1.47	0.66	0.98	0.85	0.91
Sunflowerseed oil	4.55	4.50	4.54	6.48	5.57	7.78	7.38
Russian Federation	0.80	0.50	0.18	1.43	1.01	1.80	1.46
Ukraine	2.10	2.65	2.65	3.26	3.25	4.18	3.87
Other vegetable oils <b>d</b>	5.40	6.14	5.71	5.95	6.36	5.80	6.58
Total	56.87	59.01	60.61	64.75	68.39	70.07	76.59

**a** Local marketing years, imports may not equal exports in any given period, as a result of lags in shipping time.

**b** Regarded as 28 countries; excludes intra-EU trade. **c** Includes canola oil. **d** Includes coconut oil, cottonseed oil, olive oil, palm kernel oil and peanut oil.

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

**TABLE 167** Selected oilseed, oilseed meal and vegetable oil import price quotations, by country <sup>a</sup>

	<b>Canola b</b>	<b>Palm oil c</b>	<b>Soybeans d</b>	<b>Soybean meal e</b>	<b>Soybean oil f</b>
	US\$/t	US\$/t	US\$/t	US\$/t	US\$/t
1990–91	199.0	318.0	241.0	198.0	454.0
1991–92	205.0	365.0	237.0	203.0	437.0
1992–93	234.0	382.0	246.0	207.0	453.0
1993–94	284.0	445.0	259.0	202.0	580.0
1994–95	289.0	651.0	248.0	184.0	642.0
1995–96	298.0	523.0	304.0	256.0	575.0
1996–97	284.0	526.0	307.0	278.0	536.0
1997–98	296.0	964.0	259.0	197.0	633.0
1998–99	227.0	486.0	225.0	150.0	483.0
1999–2000	190.0	309.0	208.0	180.0	356.0
2000–01	202.0	235.0	200.0	188.0	336.0
2001–02	220.0	329.0	203.0	174.0	412.0
2002–03	285.0	421.0	267.0	197.0	534.0
2003–04	317.0	481.0	323.0	273.0	633.0
2004–05	262.0	392.0	277.0	231.0	545.0
2005–06	292.0	416.0	261.0	215.0	573.0
2006–07	375.0	655.0	335.0	276.0	771.0
2007–08	644.0	1 058.0	550.0	469.0	1 327.0
2008–09	393.0	633.0	421.0	401.0	826.0
2009–10	419.0	793.0	429.0	391.0	924.0
2010–11	647.0	1 154.0	549.0	418.0	1 306.0
2011–12	616.0	1 032.0	562.0	461.0	1 241.0
2012–13	579.0	791.0	592.0	538.0	1 098.0
2013–14	505.0	803.0	542.0	533.0	950.0
2014–15	417.0	626.0	407.0	403.0	778.0

<sup>a</sup> October–September average. <sup>b</sup> Europe, 00, cif, Hamburg. <sup>c</sup> RBD, Malaysia fob. <sup>d</sup> various origin, cif Rotterdam. <sup>e</sup> 44/45% Hmb, fob exmill. <sup>f</sup> Dutch, fob exmill. **fob** free on board. **cif** cost insurance freight

Source: United States Department of Agriculture, *Oilseeds: World Markets and Trade*, Washington DC

TABLE 168 Summary of Australian statistics for pulses

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Lupins</b>								
Area	'000 ha	691.8	755.8	689.1	450.2	387.4	443.1	489.7
Yield	t/ha	1.2	1.1	1.4	1.0	1.6	1.2	1.2
Production	kt	823.0	807.7	981.5	458.7	625.6	549.1	606.8
Exports <b>a</b>	kt	377.2	289.4	316.4	416.2	273.6	270.1	232.3
Value of exports <b>a</b>	\$m	114.7	88.8	85.7	143.2	115.9	119.1	93.5
Average unit value	\$/t	249.0	267.9	232.3	339.5	345.2	292.2	290.0
Gross value of production	\$m	204.9	216.4	228.0	155.7	216.0	160.4	176.0
<b>Field peas</b>								
Area	'000 ha	285.1	317.5	248.9	280.5	244.5	237.0	238.1
Yield	t/ha	1.2	1.2	1.4	1.1	1.4	1.2	0.9
Production	kt	356.0	394.7	342.5	319.7	342.1	290.4	204.5
Exports <b>a</b>	kt	163.0	254.0	247.6	208.2	154.6	178.6	143.3
Value of exports <b>a</b>	\$m	60.0	85.1	93.5	89.1	67.2	90.5	85.5
Average unit value	\$/t	241.3	266.3	294.6	405.9	419.4	413.2	459.5
Gross value of production	\$m	85.9	105.1	100.9	129.8	143.5	120.0	94.0
<b>Chickpeas</b>								
Area	'000 ha	429.0	653.1	456.1	573.6	507.8	424.8	661.3
Yield	t/ha	1.1	0.8	1.5	1.4	1.2	1.3	1.5
Production	kt	487.0	513.4	673.4	813.3	629.4	555.4	1 013.0
Exports <b>a</b>	kt	458.8	409.1	652.8	852.1	561.9	673.8	1 140.1
Value of exports <b>a</b>	\$m	254.5	213.4	384.4	533.2	297.0	413.6	1 013.0
Average unit value	\$/t	443.2	404.0	456.7	393.5	352.3	566.5	651.5
Gross value of production	\$m	215.8	207.4	307.5	320.1	221.7	314.7	660.0
<b>Total pulses <b>b</b></b>								
Area	'000 ha	1 719.5	2 230.3	1 802.1	1 739.6	1 525.7	1 522.3	2 013.2
Yield	t/ha	1.2	1.1	1.5	1.3	1.5	1.3	1.2
Production	kt	2 143.7	2 551.3	2 633.5	2 224.4	2 247.3	1 989.2	2 511.8
Exports <b>ac</b>	kt	1 312.1	1 437.4	1 991.6	2 167.6	1 785.5	1 719.1	2 029.9
Value of exports <b>ac</b>	\$m	686.8	698.4	999.1	1 183.3	1 019.6	1 163.8	1 752.5
Average unit value	\$/t	327.6	368.6	347.0	415.5	408.3	443.2	345.5
Gross value of production	\$m	702.2	940.5	913.8	924.3	917.6	881.6	867.8

**a** Exports are on July–June basis. **b** Lupins, field peas, chickpeas, faba beans, mung beans, navy beans, vetch and lentils.

**c** Includes some other minor pulses. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; ABS, *Value of Principal Commodities Produced, Australia*, cat. no. 7501.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; Pulse Australia

**TABLE 169** Australian area sown, yields and production of selected pulses, by state

	Unit	New South Wales	Victoria	Queensland	South Australia	Western Australia	Australia a
<b>Lupins</b>							
<b>Area</b>							
2009–10	'000 ha	102.1	36.2	0.2	53.1	500.1	691.8
2010–11	'000 ha	127.8	42.1	0.1	63.7	522.1	755.8
2011–12	'000 ha	78.6	45.7	0.5	63.2	500.9	689.1
2012–13	'000 ha	57.7	29.2	0.0	60.5	302.8	450.2
2013–14	'000 ha	57.2	28.2	0.0	56.0	246.0	387.4
2014–15	'000 ha	55.9	31.9	0.0	68.3	287.0	443.1
2015–16	'000 ha	61.7	33.0	0.0	69.5	325.5	489.7
<b>Yield</b>							
2009–10	t/ha	0.82	0.91	1.96	1.40	1.26	1.19
2010–11	t/ha	1.98	1.53	1.11	1.46	0.76	1.07
2011–12	t/ha	1.07	0.92	1.26	1.15	1.56	1.42
2012–13	t/ha	1.10	0.90	0.00	1.22	0.97	1.02
2013–14	t/ha	0.99	1.04	na	1.39	1.88	1.62
2014–15	t/ha	1.17	0.82	na	1.10	1.33	1.24
2015–16	t/ha	1.24	0.72	na	0.88	1.37	1.24
<b>Production</b>							
2009–10	kt	83.7	33.0	0.3	74.3	631.1	823.0
2010–11	kt	252.3	64.5	0.1	93.0	397.5	807.7
2011–12	kt	84.0	42.1	0.6	72.8	781.9	981.5
2012–13	kt	63.2	26.3	0.0	74.0	295.2	458.7
2013–14	kt	56.9	29.3	0.0	78.0	461.4	625.6
2014–15	kt	65.5	26.3	0.0	75.0	382.3	549.1
2015–16	kt	76.4	23.7	0.0	61.3	445.3	606.8
<b>Field peas</b>							
<b>Area</b>							
2009–10	'000 ha	46.1	52.0	0.0	127.0	60.0	285.1
2010–11	'000 ha	24.4	78.2	0.4	111.2	103.1	317.5
2011–12	'000 ha	40.5	38.0	0.0	110.0	60.0	248.9
2012–13	'000 ha	53.0	52.0	0.0	113.5	62.0	280.5
2013–14	'000 ha	50.0	51.0	0.0	111.5	32.0	244.5
2014–15	'000 ha	51.0	51.2	0.0	110.3	24.5	237.0
2015–16	'000 ha	48.1	54.0	0.0	114.0	22.0	238.1
<b>Yield</b>							
2009–10	t/ha	0.72	1.44	0.25	1.44	1.08	1.25
2010–11	t/ha	1.06	1.34	0.72	1.76	0.65	1.24
2011–12	t/ha	1.53	1.58	0.0	1.36	1.18	1.38
2012–13	t/ha	1.24	1.25	0.0	1.15	0.95	1.14
2013–14	t/ha	1.05	1.33	na	1.65	1.16	1.40
2014–15	t/ha	1.30	1.27	na	1.15	1.31	1.23
2015–16	t/ha	1.51	0.38	na	0.72	1.33	0.86
<b>Production</b>							
2009–10	kt	33.0	75.0	0.0	183.0	65.0	356.0
2010–11	kt	25.8	104.7	0.3	196.0	67.1	394.7
2011–12	kt	61.9	60.0	0.0	150.0	70.6	342.5
2012–13	kt	65.7	65.0	0.0	130.0	59.0	319.7
2013–14	kt	52.6	68.0	0.0	184.4	37.1	342.1
2014–15	kt	66.2	65.0	0.0	127.0	32.2	290.4
2015–16	kt	72.5	20.6	0.0	82.1	29.3	204.5

Continued

**TABLE 169** Australian area sown, yields and production of selected pulses, by state continued

		New			South	Western	
	Unit	South Wales	Victoria	Queensland	Australia	Australia	Australia a
<b>Chickpeas</b>							
<b>Area</b>							
2009–10	'000 ha	252.3	38.7	124.9	9.8	3.3	429.0
2010–11	'000 ha	403.6	35.8	199.2	8.1	6.4	653.1
2011–12	'000 ha	243.5	47.9	148.9	11.0	4.7	456.1
2012–13	'000 ha	280.3	49.0	218.0	20.3	6.0	573.6
2013–14	'000 ha	219.8	48.0	216.0	19.0	5.0	507.8
2014–15	'000 ha	209.3	26.4	165.0	21.1	3.0	424.8
2015–16	'000 ha	290.8	12.9	338.0	16.9	2.7	661.3
<b>Yield</b>							
2009–10	t/ha	1.20	0.65	1.17	0.96	0.90	1.14
2010–11	t/ha	0.76	1.40	0.70	1.74	0.51	0.79
2011–12	t/ha	1.48	1.49	1.48	1.28	1.23	1.48
2012–13	t/ha	1.35	1.07	1.64	1.06	0.67	1.42
2013–14	t/ha	1.14	1.03	1.37	1.42	1.20	1.24
2014–15	t/ha	1.35	1.98	1.22	0.76	1.33	1.31
2015–16	t/ha	1.51	0.41	1.64	0.65	1.19	1.53
<b>Production</b>							
2009–10	kt	303.8	25.2	145.8	9.4	2.9	487.0
2010–11	kt	307.0	50.1	138.9	14.1	3.3	513.4
2011–12	kt	361.1	71.6	220.9	14.0	5.8	673.4
2012–13	kt	379.0	52.2	356.6	21.5	4.0	813.3
2013–14	kt	250.6	49.5	296.3	27.0	6.0	629.4
2014–15	kt	282.2	52.2	201.0	16.0	4.0	555.4
2015–16	kt	438.5	5.3	555.0	11.0	3.2	1 013.0
<b>Faba beans</b>							
<b>Area</b>							
2009–10	'000 ha	44.5	22.0	2.0	57.0	3.5	129.0
2010–11	'000 ha	32.9	63.0	0.5	60.4	5.6	162.6
2011–12	'000 ha	42.8	49.0	2.0	55.0	2.5	151.4
2012–13	'000 ha	54.4	67.0	0.0	78.0	3.5	202.9
2013–14	'000 ha	28.6	58.5	0.0	61.0	4.0	152.1
2014–15	'000 ha	32.7	62.4	3.0	61.8	4.0	163.9
2015–16	'000 ha	50.0	124.0	1.2	104.0	3.0	282.2
<b>Yield</b>							
2009–10	t/ha	1.46	1.59	1.25	1.93	1.43	1.68
2010–11	t/ha	1.97	1.65	1.23	2.48	0.80	1.99
2011–12	t/ha	1.57	2.02	1.63	1.73	1.40	1.77
2012–13	t/ha	2.27	1.89	na	1.56	1.69	1.86
2013–14	t/ha	2.47	2.16	na	1.99	2.30	2.15
2014–15	t/ha	2.35	1.79	1.63	1.35	1.68	1.73
2015–16	t/ha	2.59	0.56	1.58	1.08	2.10	1.13
<b>Production</b>							
2009–10	kt	64.8	35.0	2.5	110.0	5.0	217.3
2010–11	kt	64.7	104.2	0.6	150.1	4.5	324.4
2011–12	kt	67.4	99.0	3.3	95.0	3.5	268.1
2012–13	kt	123.4	126.3	0.0	121.6	5.9	377.2
2013–14	kt	70.6	126.6	0.0	121.3	9.2	327.7
2014–15	kt	76.8	112.0	4.9	83.4	6.7	283.8
2015–16	kt	129.3	69.6	1.9	112.0	6.3	319.1

Continued

**TABLE 169** Australian area sown, yields and production of selected pulses, by state continued

	Unit	New South Wales	Victoria	Queensland	South Australia	Western Australia	Australia a
<b>Mung beans</b>							
<b>Area</b>							
2009–10	'000 ha	19.1	0.2	25.7	0.0	0.0	44.9
2010–11	'000 ha	31.4	0.1	54.6	0.2	0.0	86.4
2011–12	'000 ha	22.0	0.0	33.0	0.0	0.0	55.0
2012–13	'000 ha	10.0	0.0	28.0	0.0	0.0	38.0
2013–14	'000 ha	10.0	0.0	25.0	0.0	0.0	35.0
2014–15	'000 ha	10.0	0.0	25.0	0.0	0.0	35.0
2015–16	'000 ha	25.0	0.0	55.0	0.0	0.0	80.0
<b>Yield</b>							
2009–10	t/ha	1.08	0.0	1.19	0.0	0.0	1.14
2010–11	t/ha	0.63	0.99	0.82	1.53	0.0	0.76
2011–12	t/ha	0.80	na	0.82	na	na	0.81
2012–13	t/ha	1.00	na	0.89	na	na	0.92
2013–14	t/ha	0.90	na	0.92	na	na	0.91
2014–15	t/ha	0.90	na	0.92	na	na	0.91
2015–16	t/ha	0.92	na	0.92	0.0	0.0	0.92
<b>Production</b>							
2009–10	kt	20.6	0.0	30.5	0.0	0.0	51.2
2010–11	kt	19.9	0.1	44.9	0.3	0.0	65.2
2011–12	kt	17.5	0.0	27.0	0.0	0.0	44.5
2012–13	kt	10.0	0.0	25.0	0.0	0.0	35.0
2013–14	kt	9.0	0.0	23.0	0.0	0.0	32.0
2014–15	kt	9.0	0.0	23.0	0.0	0.0	32.0
2015–16	kt	23.0	0.0	50.5	0.0	0.0	73.5
<b>Total pulses b</b>							
<b>Area</b>							
2009–10	'000 ha	465.1	208.6	152.8	319.5	568.8	1 719.5
2010–11	'000 ha	621.9	337.2	254.8	370.3	640.6	2 230.3
2011–12	'000 ha	429.4	261.6	184.5	351.1	570.0	1 802.1
2012–13	'000 ha	457.3	278.1	246.0	376.1	377.2	1 739.6
2013–14	'000 ha	367.5	268.6	241.0	353.7	289.9	1 525.7
2014–15	'000 ha	360.7	262.1	193.0	381.1	320.4	1 522.3
2015–16	'000 ha	479.4	328.0	394.2	451.5	355.1	2 013.2
<b>Yield</b>							
2009–10	t/ha	1.09	1.12	1.17	1.59	1.25	1.25
2010–11	t/ha	1.08	1.47	0.73	1.93	0.75	1.14
2011–12	t/ha	1.38	1.54	1.36	1.47	1.52	1.46
2012–13	t/ha	1.41	1.27	1.55	1.26	0.97	1.28
2013–14	t/ha	1.20	1.45	1.32	1.62	1.78	1.47
2014–15	t/ha	1.39	1.30	1.19	1.27	1.33	1.31
2015–16	t/ha	1.55	0.53	1.54	1.10	1.37	1.25
<b>Production</b>							
2009–10	kt	508.1	234.6	179.2	507.2	708.3	2 143.7
2010–11	kt	672.5	495.6	184.8	713.0	478.0	2 551.3
2011–12	kt	594.3	402.0	251.8	515.8	863.6	2 633.5
2012–13	kt	643.2	354.1	381.6	472.3	367.2	2 224.4
2013–14	kt	441.8	389.3	319.3	574.1	516.8	2 247.3
2014–15	kt	501.6	339.9	228.9	485.6	427.1	1 989.2
2015–16	kt	743.3	174.1	607.4	494.8	486.0	2 511.8

a Includes data for Tasmania, the Northern Territory and the Australian Capital Territory. b Chickpeas, faba beans, field peas, lentils, lupins, mung beans and vetch (included in total but not separately shown). na Not available.

Sources: ABARES; Australian Bureau of Statistics (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, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; Pulse Australia



**TABLE 170** World pulses production, by region and country

	2009	2010	2011	2012	2013	2014	2015
	kt	kt	kt	kt	kt	kt	kt
<b>Africa</b>							
Ethiopia	1 891	1 966	2 268	2 690	2 784	2 614	na
Niger	847	1 832	1 572	1 397	1 699	1 653	na
Nigeria	2 427	3 424	1 700	5 206	4 695	2 200	na
Tanzania	1 293	1 404	1 382	1 930	1 907	1 823	na
Uganda	648	666	653	910	990	917	na
<b>Americas</b>							
Brazil	3 514	3 172	3 456	2 804	2 904	3 306	na
Canada	5 189	5 347	4 324	5 315	6 509	5 828	na
Mexico	1 325	1 429	779	1 500	1 658	1 607	na
United States	2 293	2 595	1 487	2 364	2 241	2 403	na
<b>Asia</b>							
Burma	4 816	5 022	5 311	4 922	4 953	4 991	na
China	4 331	3 891	4 610	4 528	4 486	4 514	na
India	14 072	17 236	17 647	16 704	18 311	19 980	na
Pakistan	1 056	860	798	583	1 042	1 032	na
<b>Europe</b>							
France	1 021	1 610	1 059	876	789	842	na
Russian Federation	1 569	1 428	2 513	2 274	2 137	2 316	na
Ukraine	624	592	491	473	372	481	na
United Kingdom	839	727	542	394	496	541	na
<b>Middle East</b>							
Turkey	1 237	1 345	1 234	1 290	1 257	1 097	na
<b>Oceania</b>							
Australia <b>a</b>	1 654	2 144	2 551	2 634	2 224	2 247	1 989
<b>Total b</b>	64 206	70 631	69 257	75 435	77 670	77 599	na

**a** July–June year; for example, 2010 = 2009–10. **b** Includes some unspecified countries. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; Pulse Australia; United Nations FAO; United Nations FAOSTAT database, United Nations FAO

**TABLE 171** Volume of world pulses trade, by region and country

	2008	2009	2010	2011	2012	2013	2014
	kt	kt	kt	kt	kt	kt	kt
<b>Imports</b>							
<b>Africa</b>							
Algeria	187.7	176.1	206.1	250.8	176.5	264.0	na
Egypt	434.7	282.8	608.0	444.1	408.5	433.4	na
South Africa	103.8	121.8	115.8	112.5	108.8	76.5	na
Sudan	121.6	137.1	158.1	119.7	81.6	155.1	na
<b>Americas</b>							
Brazil	264.1	156.0	243.4	269.7	370.0	373.7	na
Colombia	123.7	131.3	141.3	146.3	140.3	119.8	na
Cuba	247.0	114.6	72.7	115.4	64.2	69.4	na
Mexico	142.9	226.5	180.3	171.9	294.2	197.9	na
United States	279.1	260.3	244.9	321.9	332.5	360.8	na
Venezuela	117.9	146.6	168.5	113.5	181.8	119.8	na
<b>Asia</b>							
China	402.8	492.6	747.4	861.9	1 036.6	1 174.0	na
India	2 593.7	3 750.0	2 303.9	3 221.9	3 815.7	3 800.9	na
Japan	143.6	136.2	128.2	148.9	150.9	132.8	na
Pakistan	336.0	379.8	445.0	613.2	592.0	434.0	na
Sri Lanka	167.2	173.3	200.0	226.1	178.1	221.4	na
<b>Europe</b>							
France	115.9	94.3	95.3	98.2	95.2	106.6	na
Belgium	154.5	149.2	141.8	140.7	147.9	174.9	na
Italy	275.8	311.6	331.7	287.1	277.2	296.0	na
Netherlands	93.8	85.6	98.6	90.8	125.5	91.7	na
Spain	199.3	267.1	308.0	270.1	374.3	221.3	na
United Kingdom	276.7	223.3	228.5	221.5	222.1	229.3	na
<b>Middle East</b>							
United Arab Emirates	316.0	366.8	299.2	351.8	238.5	391.1	na
<b>Total a</b>	<b>10 107.4</b>	<b>11 811.7</b>	<b>11 198.4</b>	<b>12 145.5</b>	<b>12 636.8</b>	<b>13 358.2</b>	<b>na</b>

Continued

**TABLE 171** Volume of world pulses trade, by region and country *continued*

	2008	2009	2010	2011	2012	2013	2014
	kt	kt	kt	kt	kt	kt	kt
<b>Exports</b>							
Americas							
Argentina	272.6	331.4	422.4	499.4	570.1	212.9	na
Canada	3 125.9	4 192.9	4 306.9	4 307.7	3 367.4	4 993.6	na
Mexico	133.1	165.7	142.8	91.4	230.1	147.6	na
United States	1 117.6	1 152.1	1 230.9	990.3	1 164.8	1 199.2	na
Asia							
Burma	1 853.0	1 574.5	994.7	1 637.8	1 338.9	1 388.5	na
China	1 033.3	1 096.7	1 001.8	994.1	986.2	843.4	na
India	136.8	100.1	221.8	181.3	150.0	409.9	na
Europe							
Belgium	129.9	34.9	33.9	33.7	32.8	53.7	na
France	490.2	475.3	603.1	594.7	564.6	419.3	na
United Kingdom	232.7	386.5	322.5	307.3	238.8	267.7	na
Ukraine	77.6	271.6	105.9	173.3	177.9	112.3	na
Middle East							
Turkey	165.2	239.2	254.3	266.9	248.5	233.0	na
Oceania							
Australia <b>b</b>	627.7	974.5	1 312.1	1 437.4	1 991.6	2 167.6	1 785.5
New Zealand	13.4	13.0	17.4	12.7	15.2	14.7	na
<b>Total a</b>	<b>10 811.7</b>	<b>12 613.0</b>	<b>12 435.5</b>	<b>13 400.9</b>	<b>13 482.6</b>	<b>13 988.2</b>	<b>na</b>

**a** Includes some unspecified countries. **b** July–June year; for example 2010 = 2009–10. **na** Not available.

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; United Nations *FAOSTAT database*, United Nation FAO

TABLE 172 Summary of Australian statistics for rice a

	Production				Exports		Apparent consumption f
	Area '000 ha	Yield b t/ha	Volume b kt	Unit value c \$/t	Volume d kt	Unit value e \$/t	
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	103.9	7.3	759.8	181.9	276.0	362.3	43.0
1981-82	123.0	7.0	857.0	120.8	558.0	349.5	43.9
1982-83	84.8	6.1	519.8	170.1	384.0	312.5	46.3
1983-84	119.1	5.3	634.2	140.2	241.0	381.7	50.5
1984-85	121.8	7.1	864.1	142.5	327.0	357.8	57.1
1985-86	105.1	6.5	687.5	117.1	464.6	398.2	58.6
1986-87	94.9	5.8	549.2	155.0	394.0	352.8	60.0
1987-88	106.0	7.0	740.0	158.6	314.6	391.0	80.2
1988-89	97.0	7.7	748.0	196.1	311.0	439.7	168.1
1989-90	105.0	8.1	846.0	166.7	320.8	451.5	174.1
1990-91	89.0	8.3	740.0	187.2	422.3	402.4	179.8
1991-92	114.0	8.4	957.0	192.3	515.7	448.4	185.5
1992-93	106.0	8.1	858.0	191.5	501.8	479.7	190.9
1993-94	125.0	8.3	1 042.0	251.0	548.3	513.2	196.6
1994-95	119.0	8.5	1 016.0	212.7	593.6	600.0	202.8
1995-96	137.0	7.1	966.0	234.0	614.0	566.6	209.3
1996-97	152.0	8.3	1 255.0	247.3	539.5	564.9	215.9
1997-98	147.0	9.0	1 324.0	257.3	702.8	586.5	222.4
1998-99	148.0	9.2	1 362.0	264.7	606.9	665.1	229.3
1999-2000	131.0	8.3	1 084.0	266.8	710.5	606.7	236.6
2000-01	177.0	9.3	1 643.0	213.2	660.9	636.5	244.4
2001-02	144.0	8.3	1 192.0	274.2	704.1	564.5	252.2
2002-03	47.0	9.3	438.0	348.2	286.9	507.9	260.2
2003-04	66.0	8.4	553.0	325.1	151.3	650.9	268.3
2004-05	51.0	6.6	339.0	296.8	69.5	767.3	277.0
2005-06	102.0	9.8	1 003.0	272.9	103.1	786.7	286.4
2006-07	20.0	8.2	163.0	337.4	413.7	691.8	297.5
2007-08	2.1	8.5	17.6	415.0	190.8	779.3	309.6
2008-09	7.2	8.5	60.9	566.0	44.9	1 535.1	322.3
2009-10	18.9	10.4	196.7	457.1	20.8	1 798.2	328.3
2010-11	75.8	9.5	723.3	240.0	91.4	1 115.3	332.9
2011-12	103.1	8.9	918.7	270.0	501.5	813.1	338.7
2012-13	113.0	10.3	1 161.1	260.0	577.1	779.5	344.4
2013-14	74.9	10.9	819.3	340.0	560.8	868.3	349.6
2014-15	69.7	9.9	690.4	395.0	480.6	1 037.9	308.0

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 Gross unit value of production. d Based on Australian Bureau of Statistics 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 ABARES estimates from 2000 as confidentiality restrictions apply. e Gross unit 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 1999-2000 and excludes rice used for feed, breakfast cereals and rice used for other purposes; includes imports. Financial year basis. From 1999-2000, ABARES estimate of apparent consumption.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Apparent Consumption of Foodstuffs, 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; Ricegrowers Limited, *Annual Report*, Leeton; Rice Marketing Board for the State of New South Wales, *Annual Report*, Leeton

TABLE 173 Australian rice trade and payments to growers

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Exports ab</b>								
Quantity	kt	21	91	501	577	561	481	422
Total export value	\$m	37	102	408	450	487	499	538
<b>Imports a</b>								
Quantity	kt	223	201	163	141	153	163	164
Total import value	\$m	242	194	162	146	178	197	210
<b>Indicator price</b>								
Thai white rice c	US\$/t	556.83	518.17	590.08	564.83	428.58	418.50	386.00
Thai white rice d	A\$/t	630.80	523.67	572.08	550.00	466.50	500.09	530.02
California medium grain e	US\$/t	790.94	796.42	764.33	712.17	816.25	860.67	755.04
<b>Average returns to growers f</b>								
Average return	\$/t	457.1	240.0	270.0	260.0	340.0	395.0	na

a Milled; marketing year (April–March) basis. b fob; Includes ABARES estimates from 2000 as confidentiality restrictions apply. c Thai white rice, 100 per cent, grade B, fob Bangkok (August–July basis), nominal quote, United States Department of Agriculture.

d Derived. e US no. 1 medium grain milled, bulk, fob truck California mill. Prior to August 2010 reported as sacked. f Gross unit value. fob free on board. na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Value of Australian Commodities Produced, Australia*, cat. no. 7503.0, Canberra; US Department of Agriculture, *Rice Outlook*, Washington DC

TABLE 174 Summary of world statistics for rice a

	Area harvested	Production	Total use	Closing stocks b	Stocks to use ratio	Trade c	Export price d
	million ha	Mt	Mt	Mt	%	Mt	US\$/t
1972–73	133	209	213	24	11	8	na
1973–74	136	228	223	29	13	8	na
1974–75	138	226	227	29	13	7	na
1975–76	143	243	232	39	17	8	na
1976–77	141	235	235	39	17	10	na
1977–78	143	250	244	45	18	10	na
1978–79	143	262	252	55	22	12	na
1979–80	141	256	256	54	21	12	na
1980–81	144	270	270	53	19	12	na
1981–82	144	278	278	51	18	11	na
1982–83	141	285	278	57	20	11	na
1983–84	145	307	293	69	24	12	na
1984–85	144	317	298	88	29	11	211
1985–86	145	318	307	98	32	12	191
1986–87	145	316	308	103	34	13	190
1987–88	141	315	312	105	34	11	273
1988–89	147	332	323	112	35	14	292
1989–90	148	345	335	121	36	12	292
1990–91	147	351	344	127	37	12	296
1991–92	147	353	351	127	36	14	287
1992–93	146	354	356	123	35	15	244
1993–94	145	355	359	119	33	17	294
1994–95	147	364	364	118	32	21	290
1995–96	148	369	367	118	32	20	362
1996–97	150	381	377	120	32	19	338
1997–98	152	387	378	128	34	28	302
1998–99	153	395	388	134	35	25	284
1999–2000	156	409	398	143	36	23	231
2000–01	152	399	394	147	37	24	184
2001–02	151	400	412	133	32	28	192
2002–03	147	378	406	103	25	28	199
2003–04	149	393	416	84	20	27	220
2004–05	152	402	413	73	18	30	278
2005–06	154	418	416	75	18	29	301
2006–07	154	420	421	74	18	32	320
2007–08	155	433	428	78	18	29	551
2008–09	158	450	438	90	21	29	609
2009–10	156	440	435	95	22	32	557
2010–11	158	450	444	100	23	36	518
2011–12	161	468	457	111	24	39	590
2012–13	159	473	467	117	25	38	565
2013–14	161	478	479	116	24	43	429
2014–15	161	480	478	118	25	42	419
2015–16	159	472	474	116	25	40	386

a Based on United States Department of Agriculture data until 2002–03 and International Grains Council data from 2003–04; milled. b 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. c Calendar year basis, 1972–73 = 1972; excludes intra-EU trade from 2003–04. d Thai white rice, 100 per cent, grade B, fob Bangkok (August–July basis), nominal quote, US Department of Agriculture. fob free on board. na Not available.

Sources: ABARES; International Grains Council, London; US Department of Agriculture (USDA), *Production, Supply and Distribution Database*, Washington DC; USDA, *Rice Outlook*, Washington DC

**TABLE 175** World rice production, by country or region <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Australia	0.1	0.5	0.6	0.8	0.6	0.5	na
Bangladesh	31.0	31.7	33.7	33.8	34.4	34.5	34.5
Brazil	7.9	9.3	7.9	8.0	8.2	8.5	7.2
Burma	11.6	11.1	11.5	11.7	12.0	12.6	12.2
China	136.6	137.0	140.7	143.0	142.5	144.6	145.8
European Union <b>b</b>	1.9	1.9	1.9	1.9	1.8	1.6	1.8
India	89.1	96.0	105.3	105.2	106.7	105.5	103.6
Indonesia	36.4	35.5	36.4	36.7	36.3	35.6	36.2
Japan	7.7	7.8	7.8	7.9	7.9	7.8	7.6
Korea, Rep. of	4.9	4.3	4.2	4.0	4.2	4.2	4.3
Pakistan	6.8	4.8	6.6	6.0	6.8	6.9	6.7
Philippines	9.8	10.5	10.7	11.4	11.9	11.9	11.3
Thailand	20.3	20.3	20.5	20.3	20.3	19.1	15.8
United States	7.1	7.6	5.9	6.3	6.1	7.1	6.1
Vietnam	25.0	26.3	27.0	27.5	28.1	28.3	27.8
World	440.4	449.5	467.7	473.4	478.3	479.7	471.8

**a** Milled. **b** Regarded as 27 countries from 2006–07, 28 countries from 2013–14. **na** Not available.

Sources: Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; International Grains Council, London; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 176** Volume of world rice trade, by country <sup>a</sup>

	2009	2010	2011	2012	2013	2014	2015
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Bangladesh	0.01	0.40	1.29	0.03	0.32	1.05	0.50
Brazil	0.65	0.75	0.59	0.74	0.71	0.62	0.40
China	0.35	0.36	0.64	2.86	3.49	3.70	4.20
European Union <b>bc</b>	1.09	1.02	1.44	1.44	1.57	1.67	1.72
Indonesia	0.25	0.94	2.83	1.75	0.45	0.91	1.25
Iran	1.26	1.17	1.42	1.59	2.20	1.58	1.38
Iraq	1.15	1.19	1.05	1.39	1.30	1.09	1.03
Japan	0.76	0.65	0.73	0.69	0.65	0.70	0.71
Malaysia	0.84	0.80	1.04	1.00	0.80	1.17	1.22
Nigeria	2.07	2.11	2.49	3.31	2.63	3.30	2.55
Philippines	1.91	2.28	1.20	1.32	0.60	1.71	2.03
Russian Federation	0.22	0.25	0.20	0.20	0.25	0.28	0.28
Saudi Arabia	1.13	1.09	1.09	1.24	1.32	1.44	1.56
World <b>c</b>	29.27	31.52	35.74	39.02	37.81	42.53	41.65
<b>Exports</b>							
Australia	0.02	0.07	0.39	0.57	0.57	0.50	0.41
Burma	0.87	0.54	0.73	0.90	0.87	1.10	1.65
China	0.76	0.60	0.49	0.27	0.45	0.39	0.26
European Union <b>bc</b>	0.14	0.24	0.26	0.22	0.20	0.22	0.24
India	2.13	2.14	4.75	10.44	10.49	11.23	10.91
Pakistan	3.21	4.20	3.41	3.42	3.83	3.90	4.08
Thailand	8.62	8.88	10.65	6.67	6.60	10.94	9.77
United States	3.02	3.87	3.25	3.30	3.30	2.95	3.36
Vietnam	5.99	6.73	7.09	8.01	6.59	6.38	6.59
World <b>c</b>	29.27	31.52	35.74	39.02	37.81	42.53	41.65

**a** Milled. **b** Regarded as 27 countries from 2006–07, 28 countries from 2013–14. **c** Excludes intra-EU trade.

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



**TABLE 177** US rice supply and disposal <sup>a</sup>

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Area harvested	million ha	1.26	1.46	1.06	1.08	1.00	1.19	1.04
Yield	t/ha	5.68	5.19	5.54	5.86	6.12	5.99	5.86
Opening stocks	Mt	0.98	1.18	1.51	1.30	1.16	1.03	1.55
Production	Mt	7.13	7.59	5.87	6.35	6.12	7.11	6.11
Total supply <sup>b</sup>	Mt	8.71	9.36	8.00	8.32	8.01	8.91	8.43
Exports <sup>c</sup>	Mt	4.93	5.12	4.59	4.85	4.24	4.34	4.89
Long grain	Mt	3.38	3.54	3.03	3.44	2.81	3.08	3.47
Medium–short grain	Mt	1.55	1.57	1.55	1.40	1.42	1.26	1.42
Domestic and residual use	Mt	4.01	4.33	3.49	3.78	3.98	4.12	3.53
Closing stocks	Mt	1.18	1.51	1.30	1.16	1.03	1.55	1.48
Total use <sup>c</sup>	Mt	10.56	11.32	9.60	10.24	9.87	10.44	9.91
Target price <sup>d</sup>	US\$/t	231	231	231	231	231	na	na
Statutory loan rate	US\$/t	143	143	143	143	143	143	143
Farm price	US\$/t	317	280	320	333	359	295	269

<sup>a</sup> August–July marketing year; milled basis unless otherwise specified. <sup>b</sup> Includes imports. <sup>c</sup> Rough basis. <sup>d</sup> Eliminated in the 2014 Farm Act. **na** Not available.

Sources: US Department of Agriculture (USDA), *Production, Supply and Distribution Database*, Washington DC; USDA, *Rice Outlook*, Washington DC

**TABLE 178** Rice export price quotations, by country <sup>a</sup>

	Thailand <sup>b</sup>	US Southern <sup>c</sup>	US California <sup>d</sup>
	US\$/t	US\$/t	US\$/t
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
1999–2000	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	556.83	506.15	790.94
2010–11	518.17	524.02	796.42
2011–12	590.08	559.91	764.33
2012–13	564.83	614.83	712.17
2013–14	428.58	588.25	816.25
2014–15	418.50	503.33	860.67
2015–16	386.00	521.67	755.04
<b>2015</b>			
January	420.00	507.00	865.00
February	410.00	481.00	843.00
March	410.00	485.00	831.00
April	408.00	485.00	827.00
May	393.00	474.00	849.00
June	383.00	461.00	849.00
July	396.00	474.00	849.00
August	382.00	511.00	844.81
September	366.00	565.00	838.91
October	373.00	576.00	835.73
November	371.00	549.00	829.67
December	365.00	517.00	799.22
<b>2016</b>			
January	371.00	498.00	779.90
February	381.00	509.00	774.10
March	379.00	508.00	749.00
April	385.00	509.00	704.52
May	410.00	510.00	681.64
June	418.00	510.00	617.32

<sup>a</sup> Key prices from major markets (August–July years) that are used as world indicators. <sup>b</sup> Thai white rice, 100 per cent, grade B, fob Bangkok, nominal price quote, US Department of Agriculture. <sup>c</sup> US no. 2 long grain milled, free alongside vessel Gulf. <sup>d</sup> US no. 1 medium grain milled, bulk, fob California. Prior to August 2010 reported as sacked. **fob** free on board.

Sources: International Grains Council, London; US Department of Agriculture (USDA), *Rice Outlook*, Washington DC; USDA, *Rice Yearbook*, Washington DC

**TABLE 179** Rice supply and disposal in major exporting countries <sup>a</sup>

	Area harvested million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports <sup>b</sup> Mt	Closing stocks <sup>c</sup> Mt
<b>China</b>						
2010–11	29.87	4.59	137.03	134.80	0.60	41.82
2011–12	30.06	4.68	140.70	139.50	0.49	45.62
2012–13	30.14	4.74	142.97	142.00	0.27	49.63
2013–14	30.31	4.70	142.52	143.80	0.45	51.66
2014–15	30.31	4.77	144.55	142.80	0.39	57.35
2015–16	30.22	4.82	145.78	145.42	0.26	61.60
<b>Vietnam</b>						
2010–11	7.61	3.45	26.25	19.30	6.73	1.25
2011–12	7.70	3.51	27.03	19.30	7.09	1.06
2012–13	7.90	3.48	27.50	21.30	8.01	0.78
2013–14	7.83	3.59	28.13	21.65	6.59	1.24
2014–15	7.85	3.60	28.25	22.05	6.38	1.25
2015–16	7.80	3.57	27.81	22.26	6.59	1.70
<b>Pakistan</b>						
2010–11	2.30	2.10	4.82	2.04	4.20	0.46
2011–12	2.73	2.42	6.60	2.56	3.41	1.07
2012–13	2.40	2.50	6.00	2.72	3.42	0.80
2013–14	2.79	2.44	6.80	2.89	3.83	1.01
2014–15	2.85	2.42	6.90	2.60	3.90	1.45
2015–16	2.74	2.45	6.70	2.68	4.08	1.20
<b>Thailand</b>						
2010–11	10.67	1.90	20.26	10.37	8.88	5.46
2011–12	10.95	1.87	20.46	10.50	10.65	9.50
2012–13	10.90	1.86	20.26	10.70	6.67	13.20
2013–14	10.80	1.88	20.30	10.70	6.60	12.16
2014–15	10.30	1.86	19.14	10.80	10.94	11.13
2015–16	9.45	1.68	15.84	10.00	9.77	7.35
<b>United States</b>						
2010–11	1.46	5.19	7.59	4.33	3.87	1.51
2011–12	1.06	5.54	5.87	3.49	3.25	1.30
2012–13	1.08	5.86	6.35	3.78	3.30	1.16
2013–14	1.00	6.12	6.12	3.98	3.30	1.03
2014–15	1.19	5.99	7.11	4.12	2.95	1.55
2015–16	1.04	5.86	6.11	3.53	3.36	1.48
<b>World</b>						
2010–11	157.96	2.85	449.53	444.32	31.52	100.15
2011–12	161.01	2.90	467.73	457.33	35.74	110.61
2012–13	159.40	2.97	473.45	467.38	39.02	116.74
2013–14	161.40	2.96	478.31	478.62	37.81	116.43
2014–15	161.08	2.98	479.67	478.16	42.53	117.94
2015–16	159.16	2.96	471.82	473.50	41.65	116.27

<sup>a</sup> Simple aggregation of different crop years. The marketing period in each country is: US, August–July; Thailand, January–October; China, July–June; Pakistan, November–October; Vietnam, January–December; milled basis. <sup>b</sup> Calendar year basis: 2007–08 = 2007; excludes intra-EU trade. <sup>c</sup> 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: International Grains Council, London; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC

**TABLE 180** Summary of Australian statistics for sugar cane

	Area harvested '000 ha	Cane crushed kt	Cane yield a t/ha	Cane to sugar ratio	Return to cane growers A\$/t	Gross value of sugar cane cut for crushing \$m
1972-73	242	18 928	78.3	6.93	12.16	230
1973-74	226	19 278	85.3	7.87	11.35	219
1974-75	253	20 418	80.7	7.39	24.03	491
1975-76	257	21 959	85.5	7.93	19.83	436
1976-77	288	23 344	81.0	7.31	20.23	472
1977-78	295	23 493	79.6	7.25	17.90	421
1978-79	252	21 457	85.2	7.63	18.48	397
1979-80	267	21 151	79.2	7.37	25.92	548
1980-81	288	23 976	83.3	7.43	33.35	800
1981-82	316	25 094	79.4	7.54	23.52	590
1982-83	318	24 817	78.0	7.24	20.51	509
1983-84	307	24 190	78.7	7.87	21.36	517
1984-85	313	25 512	81.5	7.42	20.08	512
1985-86	304	24 414	80.3	7.45	20.24	494
1986-87	310	25 413	82.0	7.78	23.07	586
1987-88	317	25 669	81.0	7.70	24.08	618
1988-89	313	28 073	89.7	7.87	26.78	752
1989-90	332	27 622	83.2	7.50	31.64	874
1990-91	339	25 200	74.4	7.40	29.68	748
1991-92	341	21 367	62.6	7.08	28.32	605
1992-93	339	29 461	86.9	7.13	27.19	801
1993-94	340	32 008	94.2	7.56	29.51	945
1994-95	365	34 943	95.7	7.09	34.56	1 208
1995-96	377	35 889	95.2	7.42	32.56	1 169
1996-97	390	38 633	99.1	7.29	30.71	1 186
1997-98	415	39 531	95.3	7.10	31.56	1 248
1998-99	402	38 534	95.9	7.71	27.10	1 044
1999-2000	428	38 165	89.2	7.01	23.11	882
2000-01	403	28 117	69.8	6.76	23.36	657
2001-02	426	31 424	73.8	6.30	31.48	989
2002-03	448	36 995	82.6	6.85	27.54	1 019
2003-04	448	36 993	82.6	7.33	23.09	854
2004-05	434	37 822	87.1	7.23	25.90	980
2005-06	398	37 128	93.3	7.33	27.79	1 032
2006-07	409	36 397	89.0	7.24	33.56	1 221
2007-08	381	32 621	85.6	6.85	26.39	861
2008-09	387	31 457	81.3	6.79	32.45	1 021
2009-10	369	31 235	84.6	6.98	44.24	1 382
2010-11	314	27 443	87.4	7.60	34.63	950
2011-12	368	27 943	75.9	7.59	40.35	1 128
2012-13	349	30 001	86.1	7.06	37.28	1 118
2013-14	356	30 521	85.7	6.99	40.18	1 226
2014-15	378	32 360	85.7	7.08	40.29	1 304
2015-16	381	34 828	91.4	7.08	43.86	1 527

a Tonnes per hectare harvested.

Sources: ABARES; Australian Bureau of Statistics, *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

TABLE 181 Australian sugar production

	Area harvested for crushing '000 ha	Sugar production a kt	Sugar yield t/ha	Commercial cane sugar %	QSL Seasonal pool price \$/t	Exports kt
1972-73	242	2 732	11.3	14.45	118.7	2 084
1973-74	226	2 449	10.8	14.76	129.9	1 781
1974-75	253	2 761	10.9	14.62	252.7	1 996
1975-76	257	2 769	10.8	14.78	232.2	2 000
1976-77	288	3 194	11.1	14.58	214.1	2 556
1977-78	295	3 240	11.0	14.56	196.4	2 478
1978-79	252	2 812	11.2	14.68	213.2	1 840
1979-80	267	2 871	10.7	14.61	281.7	2 201
1980-81	288	3 227	11.2	14.63	376.0	2 558
1981-82	316	3 329	10.5	14.66	275.0	2 498
1982-83	318	3 428	10.8	14.56	223.0	2 548
1983-84	307	3 073	10.0	14.76	259.0	2 357
1984-85	313	3 439	11.0	14.62	226.0	2 524
1985-86	304	3 275	10.8	14.64	223.3	2 799
1986-87	310	3 268	10.5	14.73	275.0	2 471
1987-88	317	3 334	10.5	14.72	287.0	2 776
1988-89	313	3 566	11.4	12.87	333.0	2 824
1989-90	332	3 681	11.1	13.46	370.0	2 799
1990-91	339	3 407	10.1	13.68	341.0	2 649
1991-92	341	3 016	8.8	14.34	303.4	2 276
1992-93	339	4 133	12.2	14.13	301.0	3 127
1993-94	340	4 234	12.5	13.32	345.0	3 415
1994-95	365	4 931	13.5	14.26	382.0	4 111
1995-96	377	4 837	12.8	13.12	371.0	3 979
1996-97	390	5 301	13.6	13.12	335.0	4 309
1997-98	415	5 567	13.4	13.76	335.0	4 670
1998-99	402	4 998	12.4	12.46	352.0	4 098
1999-2000	428	5 448	12.7	13.72	255.0	4 131
2000-01	403	4 162	10.3	13.33	253.0	3 087
2001-02	426	4 987	11.7	14.09	331.6	3 644
2002-03	448	5 398	12.1	14.10	276.7	4 167
2003-04	448	5 045	11.3	13.49	231.9	4 060
2004-05	434	5 234	12.1	13.90	255.8	4 271
2005-06	398	5 063	12.7	13.39	322.2	4 067
2006-07	409	5 026	12.3	13.70	368.0	3 719
2007-08	381	4 763	12.5	13.80	275.8	3 493
2008-09	387	4 634	12.0	13.82	333.6	3 268
2009-10	369	4 472	12.1	13.84	508.8	3 506
2010-11	314	3 610	11.5	13.85	444.0	2 735
2011-12	368	3 683	10.0	14.68	518.0	2 572
2012-13	349	4 248	12.2	14.51	430.0	3 004
2013-14	356	4 364	12.3	14.46	391.0	3 052
2014-15	378	4 572	12.1	14.51	403.0	3 675
2015-16	381	4 920	12.9	14.51	383.0	3 774

a Production and exports are raw value equivalent.

Sources: ABARES; Australian Bureau of Statistics (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, *International Trade, Australia*, cat. no. 5465.0, Canberra; Australian Sugar Milling Council, *Annual Review*, Brisbane; Queensland Sugar Limited, *Annual Report*, Brisbane; Rural Press Ltd, *Australian Sugar Year Book*, Brisbane

**TABLE 182** Volume of Australian exports of sugar, by destination

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16 s
	kt	kt	kt	kt	kt	kt	kt
<b>Raw sugar in bulk</b>							
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	0.0	47.5	27.0	0.0	95.0	312.0	308.0
Indonesia	749.0	576.9	502.0	655.1	1 062.9	1 179.6	991.8
Iran	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Japan	366.0	343.2	344.0	431.0	552.2	382.0	586.5
Korea, Rep. of	1 200.9	790.0	878.0	983.3	671.0	1 147.3	1 328.3
Malaysia	548.5	340.5	190.0	330.9	226.0	268.0	274.7
New Zealand	192.8	156.7	171.4	227.4	77.9	82.4	35.5
Philippines	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saudi Arabia	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Taiwan	157.0	108.0	68.0	68.0	120.0	78.0	46.9
United States	83.5	106.2	157.3	88.5	63.0	87.7	138.7
Other countries	0.0	8.5	10.6	0.2	20.0	0.7	43.4
Total	3 298	2 477	2 348	2 784	2 888	3 538	3 636
<b>Raw sugar in bags</b>	6.9	12.9	3.1	1.6	2.8	1.5	0.6
<b>Refined sugar</b>	201.5	245.2	220.6	217.8	160.9	136.2	137.5
Total	3 506	2 735	2 572	3 004	3 052	3 675	3 774
(value, \$m)	1 887	1 436	1 556	1 437	1 384	1 643	1 922

s ABARES estimate. na Not available.

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

TABLE 183 World sugar supplies, consumption, trade and prices a

	Production	Total		Closing		World price d		
		supply	Consumption	stocks	Ratio b	US	Australian	
		Mt	Mt	Mt	%	terms	terms e	
						USc/lb	A\$/t	
1972–73	75.6	92.5	76.4	16.4	(21.5)	21.8	8.7	141.0
1973–74	78.5	94.9	78.3	16.2	(20.7)	24.6	18.5	277.0
1974–75	78.0	94.2	75.9	17.7	(23.3)	22.7	30.3	506.0
1975–76	81.1	98.8	78.5	20.6	(26.2)	22.9	13.6	240.0
1976–77	86.7	107.3	81.3	25.1	(30.9)	26.0	8.3	165.0
1977–78	91.2	116.3	85.2	30.5	(35.8)	28.2	7.5	145.0
1978–79	91.0	121.5	89.3	31.7	(35.5)	27.1	8.2	160.0
1979–80	85.1	116.8	90.1	25.9	(28.7)	27.3	21.0	412.0
1980–81	88.7	114.6	89.8	25.6	(28.5)	28.6	22.7	433.0
1981–82	100.9	126.5	92.2	33.3	(36.1)	31.6	9.9	207.0
1982–83	100.6	133.9	94.4	38.7	(41.0)	29.6	7.9	191.0
1983–84	98.0	136.7	96.3	39.5	(41.0)	29.6	6.3	155.0
1984–85	100.4	139.9	98.0	42.0	(42.9)	29.2	3.8	113.0
1985–86	98.6	140.6	100.0	39.0	(39.0)	28.8	5.9	193.0
1986–87	104.2	143.2	105.9	35.8	(33.8)	28.7	6.3	202.0
1987–88	104.7	140.5	107.2	33.4	(31.1)	27.9	9.4	274.0
1988–89	104.6	138.0	107.0	31.1	(29.0)	35.2	11.9	326.0
1989–90	109.1	140.2	109.5	30.6	(28.0)	34.7	13.6	384.0
1990–91	115.7	146.3	110.4	35.0	(31.8)	34.4	9.1	257.0
1991–92	116.9	151.9	111.0	40.0	(36.0)	32.2	9.1	265.0
1992–93	112.7	152.7	111.9	39.8	(35.6)	32.6	9.7	314.0
1993–94	111.4	151.3	112.2	37.6	(33.5)	34.1	11.4	353.0
1994–95	116.1	153.7	114.7	38.2	(33.3)	35.5	12.8	381.0
1995–96	125.7	163.9	119.2	40.4	(33.9)	39.0	11.5	206.6
1996–97	123.7	164.1	122.1	41.9	(34.3)	35.6	11.0	315.0
1997–98	127.8	169.8	124.4	47.2	(37.9)	36.9	9.9	339.0
1998–99	135.3	182.4	125.4	57.0	(45.5)	39.3	6.5	225.0
1999–2000	131.7	188.7	127.4	61.1	(47.9)	37.1	7.3	266.0
2000–01	130.6	191.7	131.0	60.7	(46.4)	44.2	9.0	385.0
2001–02	137.2	198.4	135.5	62.1	(45.7)	48.1	6.4	262.0
2002–03	148.5	210.7	141.9	69.7	(48.3)	43.7	7.3	261.0
2003–04	142.3	212.5	143.7	69.1	(46.7)	45.0	6.5	198.0
2004–05	140.3	209.8	147.7	62.0	(40.1)	48.1	9.1	261.0
2005–06	150.5	212.5	153.4	59.5	(36.1)	48.1	14.8	438.0
2006–07	166.3	226.2	156.7	71.4	(41.4)	49.6	10.3	279.0
2007–08	167.5	238.4	159.3	75.7	(44.7)	48.2	11.7	285.0
2008–09	140.8	225.2	162.6	62.3	(38.1)	48.5	14.9	445.0
2009–10	158.1	220.5	162.9	57.0	(34.5)	55.5	21.0	415.0
2010–11	165.6	222.6	164.1	58.5	(35.9)	53.9	28.4	608.0
2011–12	174.8	233.3	168.8	64.6	(38.9)	54.3	22.9	489.0
2012–13	182.6	247.3	175.6	71.4	(41.2)	60.6	18.0	400.0
2013–14	181.9	253.4	175.8	77.6	(41.8)	58.0	16.8	404.0
2014–15	181.8	259.3	178.9	80.5	(41.1)	55.6	13.4	379.0
2015–16	173.3	253.8	180.9	72.9	(40.1)	58.5	16.7	498.0

a Raw sugar equivalent up to 2004–05, tel quel (refined sugar equivalent) from 2005–06 to date; 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. From 1988–89 Nearby futures price, Intercontinental Exchange, New York No. 11 contract. e Australian currency equivalents of ISA price. fob free on board. na Not available.

Sources: ABARES; 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

**TABLE 184** World sugar production, by region and country <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Europe	23.83	23.72	28.95	26.82	24.42	30.39	26.11
Eastern Europe	6.26	6.78	9.47	8.65	7.25	10.94	10.84
Russian Federation	3.46	3.53	5.51	4.90	4.55	4.93	5.69
Ukraine	1.38	1.77	2.40	2.42	1.35	1.94	1.69
Other	1.42	1.48	1.56	1.33	1.35	4.07	3.46
Western Europe	20.32	19.40	21.92	20.55	19.67	21.67	15.27
European Union <sup>b</sup>	17.29	16.75	19.16	17.92	16.93	19.17	15.05
Turkey	2.75	2.45	2.44	2.38	2.51	2.22	na
Other	0.28	0.20	0.32	0.25	0.23	0.28	0.22
Africa	9.99	9.80	10.51	11.14	11.67	14.88	14.60
Mauritius	0.50	0.44	0.43	0.49	0.44	0.44	0.42
South Africa	2.38	1.74	2.23	2.37	2.50	2.50	1.71
Other	7.11	7.62	7.85	8.28	8.73	11.94	12.47
Americas	67.26	64.56	62.80	72.14	70.58	69.93	65.34
Brazil	40.88	38.13	34.64	40.83	40.20	37.00	38.10
Colombia	2.26	2.31	2.26	1.95	2.30	2.35	2.25
Cuba	1.19	1.23	1.48	1.60	1.65	1.85	1.63
Guatemala	2.51	2.20	2.65	2.78	2.86	2.98	2.98
Mexico	4.96	5.33	5.27	7.49	6.47	5.99	6.12
United States	7.23	7.09	7.70	8.13	7.90	7.85	8.08
Other	8.23	8.27	8.80	9.36	9.20	11.91	6.18
Asia	49.45	60.22	64.79	66.09	67.34	67.48	61.82
China	11.65	11.37	12.52	14.20	14.60	11.47	9.46
India	20.44	26.44	28.64	27.51	26.00	30.62	27.28
Indonesia	2.18	2.81	2.65	2.79	2.76	2.71	2.56
Pakistan	3.50	4.46	5.15	5.38	5.95	5.62	5.56
Philippines	2.01	2.50	2.41	2.65	2.62	2.27	2.23
Thailand	7.13	10.06	10.67	10.36	12.19	11.58	10.03
Other	2.54	2.58	2.75	3.20	3.22	3.21	4.70
Oceania	3.68	3.68	3.79	5.25	4.64	4.78	5.14
Australia	3.50	3.51	3.62	5.04	4.43	4.57	4.92
Fiji	0.17	0.17	0.17	0.21	0.21	0.21	0.22
Other	0.01	na	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>158.14</b>	<b>165.60</b>	<b>174.76</b>	<b>182.61</b>	<b>181.93</b>	<b>181.75</b>	<b>173.30</b>

<sup>a</sup> Refined sugar equivalent, October–September year. <sup>b</sup> Regarded as 28 countries.

Sources: ABARES; 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



**TABLE 185** Volume of world sugar trade, by country <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Exports</b>							
Australia	3.51	2.74	2.57	3.00	3.05	3.68	3.95
Brazil	27.12	26.84	22.11	29.43	24.56	23.48	30.40
China	0.09	0.07	0.05	0.05	0.05	0.06	0.08
Colombia	0.89	0.83	0.79	0.53	0.90	0.84	0.60
Cuba	0.60	0.65	0.83	0.85	0.94	0.90	0.95
Dominican Republic	0.26	0.21	0.19	0.15	0.21	0.19	0.19
European Union <b>b</b>	2.41	1.03	2.16	1.68	1.43	1.45	1.35
Fiji	0.10	0.14	0.11	0.13	0.21	0.22	0.20
Guatemala	1.85	1.40	1.66	1.97	2.10	2.34	2.26
Guyana	0.18	0.21	0.17	0.17	0.18	0.18	0.15
India	0.21	3.01	3.68	1.13	2.81	2.58	3.00
Korea, Rep. of	0.00	0.00	0.00	0.00	0.00	0.00	na
Mauritius	0.38	0.46	0.36	0.41	0.44	0.43	0.42
Mexico	0.73	1.47	0.95	2.09	2.66	1.55	1.28
South Africa	0.71	0.45	0.47	0.70	0.87	0.75	0.33
Swaziland	0.59	0.56	0.61	0.54	0.55	0.68	0.69
Thailand	5.50	6.11	7.63	6.69	7.20	8.25	7.95
Ukraine	0.00	0.00	0.17	0.13	0.01	0.13	0.14
United States	0.19	0.23	0.24	0.25	0.28	0.17	0.07
Other countries	8.50	8.34	9.58	10.72	9.59	7.79	4.52
<b>Total c</b>	<b>54.00</b>	<b>53.87</b>	<b>54.32</b>	<b>60.61</b>	<b>58.02</b>	<b>55.64</b>	<b>58.50</b>
<b>Imports</b>							
Algeria	1.53	1.33	1.59	2.01	1.89	2.00	1.85
Canada	1.06	1.21	1.23	1.19	1.15	1.16	1.20
China	1.49	2.14	4.64	4.56	4.28	5.21	6.00
Egypt	1.19	1.12	1.87	1.20	1.46	1.51	1.20
European Union <b>b</b>	3.19	4.16	3.85	4.33	3.67	3.16	4.00
Indonesia	1.90	3.08	3.03	3.81	3.57	2.97	3.90
Iran	1.77	1.29	1.08	1.55	1.63	0.26	1.00
Israel	0.46	0.48	0.62	0.52	0.60	0.57	0.53
Japan	1.20	1.33	1.37	1.40	1.36	1.36	1.45
Korea, Rep. of	1.63	1.67	1.70	1.87	1.91	1.89	1.94
Malaysia	1.72	1.81	1.93	1.97	1.99	2.06	2.01
Morocco	0.81	0.89	0.96	0.99	0.76	0.86	1.01
Nigeria	1.06	1.50	1.40	1.52	1.47	1.48	1.57
Pakistan	0.71	1.04	0.02	0.01	0.01	0.05	0.02
Russian Federation	2.24	2.78	0.74	0.85	1.07	1.10	0.75
Saudi Arabia	1.25	1.21	1.45	1.39	1.31	1.42	1.47
Syria	1.17	1.19	0.68	0.65	0.54	0.43	0.50
Ukraine	0.32	0.29	0.01	0.01	0.00	0.00	0.00
United States	3.70	4.11	3.43	2.93	3.40	3.22	3.03
Other countries	25.32	21.23	22.73	27.87	25.95	24.92	25.10
<b>Total c</b>	<b>55.45</b>	<b>53.87</b>	<b>54.32</b>	<b>60.61</b>	<b>58.02</b>	<b>55.64</b>	<b>58.50</b>

**a** Includes both raw and white sugar measured in tel quel (refined sugar equivalent), October–September year. **b** 28 countries; includes intra-EU trade. **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: ABARES; 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

**TABLE 186** Average rainfall for principal Australian cropping districts a

District	1900 –2015	1945 –54	1955 –64	1965 –74	1975 –84	1985 –94	1994 –2004	2005 –14	2006 –15	
no.	mm	mm	mm	mm	mm	mm	mm	mm	mm	
<b>New South Wales</b>										
North West Plains (W)	52	43	46	50	41	47	43	49	43	42
North West Plains (E)	53	50	53	57	49	54	50	57	50	50
North West Slopes (N)	54	59	61	63	58	64	57	65	56	58
North West Slopes (S)	55	57	58	63	57	60	58	61	57	57
Northern Tablelands (N)	56	69	73	74	70	72	68	72	69	70
Central West Plains (S)	50	38	41	44	40	38	41	38	39	39
Central West Plains (N)	51	38	41	42	39	41	39	41	42	42
Central West Slopes (N)	64	52	56	58	54	54	54	57	54	54
Central West Slopes (S)	65	49	54	57	54	47	52	49	49	49
Central Tablelands (N)	62	56	62	63	58	55	58	59	57	56
Central Tablelands (S)	63	66	74	77	70	65	70	63	64	64
Riverina (W)	75	31	31	34	35	30	33	30	31	30
Riverina (E)	74	39	40	43	43	36	41	37	38	37
South West Slopes (N)	73	53	58	60	58	51	57	52	51	51
South West Slopes (S)	72	84	91	92	87	83	87	81	82	81
<b>Victoria</b>										
North Mallee	76	25	25	28	27	24	26	24	24	24
South Mallee	77	29	30	32	31	28	30	27	27	26
North Wimmera	78	33	36	36	36	33	35	31	31	30
South Wimmera	79	45	49	49	47	45	47	42	41	40
Lower North	80	35	36	39	39	33	37	32	34	33
Upper North	81	44	47	49	49	43	48	42	43	41
Lower North East	82	86	90	94	90	83	90	82	80	78
North Central	88	66	70	71	69	65	70	62	61	59
Central Western	89	50	54	54	52	51	54	48	47	46
West Coast	90	65	71	67	67	65	68	62	62	61
<b>Queensland</b>										
Central Highlands	35	51	52	59	48	56	46	49	55	54
Maranoa	43	46	50	52	43	49	43	49	47	47
West Darling Downs	42	48	51	53	47	52	44	51	46	46
East Darling Downs	41	53	54	56	53	58	51	55	51	52
Moreton South Coast	40	81	86	87	90	80	77	75	82	83

Continued

**TABLE 186** Average rainfall for principal Australian cropping districts <sup>a</sup> continued

	District	1900	1945	1955	1965	1975	1985	1995	2005	2006
	no.	-2015	-54	-64	-74	-84	-94	-2004	-14	-15
		mm	mm	mm	mm	mm	mm	mm	mm	mm
<b>South Australia</b>										
Upper South East	25B	37	41	39	38	36	36	36	34	33
Murray Mallee	25A	27	28	27	28	25	27	27	27	26
Murray River	24	25	26	25	26	23	26	24	26	25
East Central	23	49	51	50	50	47	49	49	46	45
Yorke Peninsula	22A	35	36	35	36	33	33	35	33	32
Lower North	21	33	34	32	35	31	34	33	32	32
Upper North	19	25	26	24	29	24	28	24	24	25
Western	18	22	22	22	25	22	22	23	23	23
<b>Western Australia</b>										
North Coast	8	32	31	35	34	29	31	32	26	27
Central Coast	9	61	63	67	61	56	57	56	51	49
Northern Central	10	29	27	31	29	27	28	30	26	26
South Central	10A	35	34	37	35	33	33	33	32	31
South East	12	20	17	21	20	21	21	26	22	23
<b>Tasmania</b>										
Northern	91	107	109	112	110	104	103	101	100	96
Midlands	93	53	54	56	56	52	51	50	50	47

<sup>a</sup> Average rainfall is the simple arithmetic average of monthly rainfall over the period.

Source: Bureau of Meteorology monthly district rainfall reports (various issues)

TABLE 187 Agriculture water use, Australia

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Agricultural businesses</b>							
New South Wales a	no.	43 228	43 541	43 971	42 141	41 157	39 888
Victoria	no.	32 741	32 407	32 529	30 921	30 797	29 661
Queensland	no.	27 578	28 435	28 171	26 648	26 786	25 512
South Australia	no.	14 097	14 059	13 861	13 039	13 349	12 646
Western Australia	no.	12 465	12 529	12 498	11 700	11 925	11 177
Tasmania	no.	3 935	4 085	4 080	3 937	3 947	3 703
Northern Territory	no.	510	522	511	462	466	444
Australian Capital Territory	no.	na	75	71	71	62	61
Australia	no.	134 554	135 653	135 692	128 917	128 489	123 091
<b>Water use</b>							
<b>Irrigation</b>							
New South Wales a	GL	2 003	2 746	3 527	4 976	4 295	3 196
Victoria	GL	1 505	1 135	1 646	2 450	2 520	2 305
Queensland	GL	1 824	1 694	1 884	2 360	2 703	2 232
South Australia	GL	712	621	666	769	705	705
Western Australia	GL	252	254	246	239	259	258
Tasmania	GL	282	173	192	249	231	225
Northern Territory	GL	19	23	22	18	18	28
Australian Capital Territory	GL	na	0	0	0	0	0
Australia	GL	6 596	6 645	8 184	11 060	10 731	8 950
<b>Other agricultural uses</b>							
New South Wales a	GL	202	236	223	226	211	229
Victoria	GL	139	166	167	164	158	157
Queensland	GL	213	266	224	264	255	235
South Australia	GL	60	78	66	74	59	65
Western Australia	GL	88	93	90	85	84	86
Tasmania	GL	23	28	26	23	24	22
Northern Territory	GL	36	38	36	33	40	34
Australian Capital Territory	GL	na	0	0	0	0	0
Australia	GL	763	905	832	869	831	830
<b>Total water use</b>							
New South Wales a	GL	2 205	2 982	3 751	5 202	4 506	3 426
Victoria	GL	1 644	1 300	1 813	2 614	2 678	2 462
Queensland	GL	2 037	1 960	2 108	2 623	2 958	2 467
South Australia	GL	772	699	732	843	763	771
Western Australia	GL	340	347	337	324	344	344
Tasmania	GL	305	201	218	272	256	248
Northern Territory	GL	55	60	58	50	57	62
Australian Capital Territory	GL	na	1	0	0	0	0
Australia	GL	7 359	7 551	9 017	11 929	11 562	9 780

Continued

TABLE 187 Agriculture water use, Australia continued

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Murray–Darling Basin</b>							
<b>Agricultural businesses</b>							
New South Wales <sup>a</sup>	no.	26 529	26 586	26 810	na	na	na
Victoria	no.	16 627	15 967	16 214	na	na	na
Queensland	no.	6 730	7 089	7 138	na	na	na
South Australia	no.	3 795	3 872	3 713	na	na	na
Australian Capital Territory	no.	na	75	71	na	na	na
Total	no.	53 681	53 589	53 946	49 305	50 929	49 096
<b>Water use</b>							
<b>Irrigation</b>							
New South Wales <sup>a</sup>	GL	1 820	2 584	3 454	na	na	na
Victoria	GL	1 042	837	1 401	na	na	na
Queensland	GL	414	789	713	na	na	na
South Australia	GL	288	297	310	na	na	na
Australian Capital Territory	GL	na	0	0	na	na	na
Total	GL	3 564	4 507	5 875	8 273	7 736	5 869
<b>Other agricultural uses</b>							
New South Wales <sup>a</sup>	GL	na	na	na	na	na	na
Victoria	GL	na	na	na	na	na	na
Queensland	GL	na	na	na	na	na	na
South Australia	GL	na	na	na	na	na	na
Australian Capital Territory	GL	na	na	na	na	na	na
Total	GL	272	307	298	301	288	306
<b>Total water use</b>							
New South Wales <sup>a</sup>	GL	na	na	na	na	na	na
Victoria	GL	na	na	na	na	na	na
Queensland	GL	na	na	na	na	na	na
South Australia	GL	na	na	na	na	na	na
Australian Capital Territory	GL	na	na	na	na	na	na
Total	GL	3 837	4 815	6 174	8 574	8 025	6 174
<b>Non Murray–Darling Basin</b>							
<b>Agricultural businesses</b>							
Total	no.	80 872	82 066	81 746	79 612	77 560	73 995
<b>Water use</b>							
<b>Irrigation</b>							
Total	GL	3 032	2 138	2 299	2 787	2 994	3 082
<b>Other agricultural uses</b>							
Total	GL	490	598	534	568	543	524
<b>Total water use</b>							
Total	GL	3 522	2 736	2 833	3 354	3 537	3 606

<sup>a</sup> Includes Australian Capital Territory for 2009–10. Zero used to denote nil or less than 0.5 gigalitres. na Not available.

Source: Australian Bureau of Statistics, *Water Use on Australian Farms*, Australia, cat. no. 4618.0, Canberra

TABLE 188 Irrigation activity, Australia

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Agricultural businesses irrigating</b>							
New South Wales <sup>a</sup>	no.	10 070	10 389	8 584	7 584	8 485	8 630
Victoria	no.	10 579	9 753	9 016	8 379	10 190	10 065
Queensland	no.	9 402	8 023	7 572	6 685	7 461	7 622
South Australia	no.	5 624	5 428	5 169	4 279	5 113	5 286
Western Australia	no.	2 881	3 124	2 676	2 139	3 153	3 266
Tasmania	no.	2 027	1 770	1 656	1 364	1 554	1 462
Northern Territory	no.	234	251	231	191	186	195
Australian Capital Territory	no.	na	14	8	8	12	8
Australia	no.	40 817	38 752	34 912	30 629	36 155	36 533
<b>Area under pasture or crop</b>							
New South Wales <sup>a</sup>	'000 ha	58 588	58 326	60 576	58 848	58 303	57 399
Victoria	'000 ha	12 852	12 626	12 698	12 146	12 290	12 009
Queensland	'000 ha	129 668	139 835	137 239	129 548	139 933	135 918
South Australia	'000 ha	45 747	52 786	49 705	49 431	52 823	45 837
Western Australia	'000 ha	94 391	88 715	88 438	90 494	89 313	81 399
Tasmania	'000 ha	1 647	1 655	1 666	1 612	1 701	1 569
Northern Territory	'000 ha	55 687	55 671	55 115	54 496	51 871	50 392
Australian Capital Territory	'000 ha	na	58	37	39	34	35
Australia	'000 ha	398 580	409 673	405 474	396 615	406 269	384 558
<b>Area irrigated</b>							
New South Wales <sup>a</sup>	'000 ha	550	674	786	887	824	700
Victoria	'000 ha	440	487	558	628	591	638
Queensland	'000 ha	503	475	492	515	526	514
South Australia	'000 ha	186	181	165	182	191	158
Western Australia	'000 ha	51	55	50	66	86	48
Tasmania	'000 ha	105	84	84	95	100	85
Northern Territory	'000 ha	5 <sup>c</sup>	6	6	5	27	6
Australian Capital Territory	'000 ha	na	0	0	0	0	0
Australia	'000 ha	1 840	1 963	2 141	2 378	2 345	2 149
<b>Volume applied</b>							
New South Wales <sup>a</sup>	GL	2 003	2 746	3 527	4 976	4 295	3 196
Victoria	GL	1 505	1 135	1 646	2 450	2 520	2 305
Queensland	GL	1 824	1 694	1 884	2 360	2 703	2 232
South Australia	GL	712	621	666	769	705	705
Western Australia	GL	252	254	246	239	259	258
Tasmania	GL	282	173	192	249	231	225
Northern Territory	GL	19 <sup>c</sup>	23	22	18	18	28
Australian Capital Territory	GL	na	0	0	0	0	0
Australia	GL	6 596	6 645	8 184	11 060	10 731	8 950
<b>Average application rate</b>							
New South Wales <sup>a</sup>	ML/ha	3.6	4.1	4.5	5.6	5.2	4.6
Victoria	ML/ha	3.4	2.3	2.9	3.9	4.3	3.6
Queensland	ML/ha	3.6	3.6	3.8	4.6	5.1	4.3
South Australia	ML/ha	3.8	3.4	4.0	4.2	3.7	4.5
Western Australia	ML/ha	5.0	4.6	4.9	3.6	3.0	5.4
Tasmania	ML/ha	2.7	2.1	2.3	2.6	2.3	2.7
Northern Territory	ML/ha	3.7	3.7	3.9	3.8	0.7	4.7
Australian Capital Territory	ML/ha	na	1.5	2.1	1.5	1.8	2.0
Australia	ML/ha	3.6	3.4	3.8	4.7	4.6	4.2

Continued

**TABLE 188** Irrigation activity, Australia continued

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Murray–Darling Basin d</b>							
Agricultural businesses irrigating	no.	15 120	15 347	14 359	12 954	14 496	14 587
Area under pasture or crop	'000 ha	95 195 <b>b</b>	85 060 <b>b</b>	95 034	na	90 693	89 199
Area irrigated	'000 ha	976	1 189	1 412	1 592	1 508	1 367
Volume applied	GL	3 564	4 507	5 875	8 273	7 736	5 869
Average application rate	ML/ha	3.7	3.8	4.2	5.2	5.1	4.3
<b>Non Murray–Darling Basin d</b>							
Agricultural businesses irrigating	no.	25 696	23 405	20 553	17 676	21 659	21 946
Area under pasture or crop	'000 ha	303 385 <b>b</b>	324 613 <b>b</b>	310 440	na	315 576	295 359
Area irrigated	'000 ha	865	774	730	786	802	782
Volume applied	GL	3 032	2 138	2 299	2 787	2 994	3 082
Average application rate	ML/ha	3.5	2.8	3.2	3.5	3.7	3.9

**a** Includes Australian Capital Territory for 2009–10. **b** Total includes area of agricultural land. **c** Estimate has a relative standard error of 10 per cent to less than 25 per cent and should be used with caution. **d** Based on natural resource management regions. Zero used to denote nil or less than 0.5 gigalitres. **na** Not available.

Source: Australian Bureau of Statistics, *Water Use on Australian Farms*, Australia, cat. no. 4618.0, Canberra

**TABLE 189** Sources of agricultural water, Australia

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Water supplied by irrigation schemes</b>							
New South Wales a	GL	765.7	1 118.7	1 739.6	2 555.9	1 945.5	1 665.5
Victoria	GL	978.1	599.3	987.5	1 652.1	1 442.3	1 468.7
Queensland	GL	825.2	373.6	523.2	661.3	774.1	774.5
South Australia	GL	174.9	26.8	51.0	123.9	116.2	120.5
Western Australia	GL	107.1	87.1 b	100.3	113.2	95.7	102.7
Tasmania	GL	51.9	11.4 b	17.3	32.7	22.2	28.4
Northern Territory	GL	0.5	0.0 c	0.0	0.4	0.0	0.7
Australian Capital Territory	GL	na	0.0	0.0	0.0	0.0	0.0
Australia	GL	2 903.4	2 216.9	3 419.0	5 139.5	4 395.9	4 161.0
<b>Surface water</b>							
New South Wales a	GL	607.1	1 336.0 d	1 551.6	2 071.3	1 861.4	1 075.7
Victoria	GL	227.1	432.9 d	533.6	657.7	822.8	568.7
Queensland	GL	621.5	1 114.8 d	1 116.7	1 441.5	1 562.4	1 018.3
South Australia	GL	100.4	238.2 d	230.9	221.4	268.2	263.3
Western Australia	GL	80.2	113.2 bd	92.1	78.5	96.8	99.1
Tasmania	GL	217.5	170.3 d	180.0	216.4	216.8	197.8
Northern Territory	GL	17.0	19.3 d	14.2	6.9	8.8	12.5
Australian Capital Territory	GL	na	0.0	0.4	0.4	0.3	0.3
Australia	GL	1 870.8	3 425.2 d	3 719.6	4 694.1	4 837.5	3 235.7
<b>Groundwater</b>							
New South Wales a	GL	761.0	441.4	365.9	512.9	631.9	629.5
Victoria	GL	349.9	191.8	206.6	235.5	328.1	300.5
Queensland	GL	537.7	424.6	431.4	467.1	575.7	631.1
South Australia	GL	463.0	372.5	400.9	462.8	350.6	349.0
Western Australia	GL	146.2	128.3	127.9	117.3	139.9	131.0
Tasmania	GL	30.6 b	12.1 b	12.6	17.2	13.7	18.6
Northern Territory	GL	37.1	40.3	43.8	42.9	47.7	48.5
Australian Capital Territory	GL	na	0.0	0.0	0.1	0.1	0.0
Australia	GL	2 325.4	1 611.1	1 589.1	1 855.9	2 087.7	2 108.2
<b>Town or country reticulated mains supply</b>							
New South Wales a	GL	14.3 b	22.0	27.2	23.4	26.5	26.8
Victoria	GL	13.5 b	23.7	34.3	20.0	23.1	29.6
Queensland	GL	2.5 b	5.6	4.7	5.7	3.7	6.6
South Australia	GL	21.6	38.6	31.6	25.2	18.9	26.9
Western Australia	GL	3.6	13.5	14.8	12.1	10.4	10.8
Tasmania	GL	0.0 b	2.2	3.8	0.9	1.2	1.0
Northern Territory	GL	0.0 b	0.0	0.1	0.0	0.1	0.2
Australian Capital Territory	GL	na	0.0	0.0	0.0	0.0	0.0
Australia	GL	57.2	105.7	116.6	87.4	84.0	102.0
<b>Recycled/re-used water from off-farm sources</b>							
New South Wales a	GL	45.8	56.8 b	61.0	35.1	38.3	28.1
Victoria	GL	68.2	39.6 c	47.5	29.5	57.7	93.4
Queensland	GL	29.8	32.9 b	30.0	37.5	38.7	36.3
South Australia	GL	9.8	9.9 c	5.4	7.4	7.7	11.0
Western Australia	GL	0.5	1.8	0.7	0.7	0.5	0.1
Tasmania	GL	0.0	3.3 b	3.9	3.3	na	1.5
Northern Territory	GL	0.0	0.0	0.0	0.0	0.0	na
Australian Capital Territory	GL	na	0.0	0.0	0.0	0.0	na
Australia	GL	156.8	144.6	148.4	113.6	144.5	170.4

Continued



**TABLE 189** Sources of agricultural water, Australia continued

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Other</b>							
New South Wales <sup>a</sup>	GL	11.1	7.3 <sup>b</sup>	5.4	3.3	2.5	0.2
Victoria	GL	7.3	12.9 <sup>c</sup>	3.4	19.2	3.7	1.4
Queensland	GL	20.5	8.4 <sup>c</sup>	2.3	10.1	3.3	0.5
South Australia	GL	2.6	13.1 <sup>b</sup>	1.6	2.1	1.5	0.2
Western Australia	GL	2.7	3.1 <sup>c</sup>	0.8	2.0	0.7	0.0
Tasmania	GL	0.0	1.9	0.5	1.4	0.3	0.2
Northern Territory	GL	0.0	0.0	0.0	0.2	0.5	na
Australian Capital Territory	GL	na	0.0	0.0	0.0	0.0	na
Australia	GL	45.2	46.8	13.9	38.3	12.4	2.4
<b>Total all sources</b>							
New South Wales <sup>a</sup>	GL	2 204.9	2 982.1	3 750.8	5 201.9	4 506.0	3 425.8
Victoria	GL	1 644.1	1 300.3	1 812.9	2 614.0	2 677.6	2 462.4
Queensland	GL	2 037.3	1 959.9	2 108.3	2 623.2	2 957.8	2 467.3
South Australia	GL	772.3	699.0	721.5	842.9	763.2	770.8
Western Australia	GL	340.3	347.1	336.6	324.0	343.9	343.9
Tasmania	GL	305.4	201.2	218.0	271.9	255.7	247.6
Northern Territory	GL	54.6	60.3	58.1	50.4	57.2	61.8
Australian Capital Territory	GL	na	0.6	0.4	0.5	0.4	0.3
Australia	GL	7 358.8	7 550.6	9 006.6	11 928.7	11 561.9	9 779.9
<b>Murray–Darling Basin</b>							
Water supplied by irrigation schemes	GL	1 829.5	1 705.4	2 767.8	4 227.7	3 493.7	3 212.1
Surface water	GL	927.6	2 396.6 <sup>d</sup>	2 693.4	3 570.3	3 558.7	1 980.5
Groundwater	GL	989.2	569.7	568.0	685.9	863.3	844.3
Town or country reticulated mains supply	GL	13.8	40.2	47.1	23.4	33.9	33.9
Recycled/re-used water from off-farm sources	GL	58.1	75.5	88.1	59.3	69.3	103.5
Other	GL	18.7	27.6	9.1	7.7	5.7	0.1
Total all sources	GL	3 836.9	4 814.9	6 173.6	8 574.3	8 024.7	6 174.4
<b>Non Murray–Darling Basin</b>							
Water supplied by irrigation schemes	GL	1 073.8	511.6	651.2	911.8	902.1	948.9
Surface water	GL	943.2	1 028.6	1 026.2	1 123.8	1 278.8	1 255.3
Groundwater	GL	1 336.2	1 041.6	1 021.1	1 169.9	1 224.3	1 263.9
Town or country reticulated mains supply	GL	43.4	65.4	69.5	64.0	50.1	68.1
Recycled/re-used water from off-farm sources	GL	98.7	69.1	60.3	54.3	75.2	67.0
Other	GL	26.5	19.2	4.8	567.8	6.7	2.3
Total all sources	GL	3 521.9	2 735.7	2 833.0	3 354.4	3 537.2	3 605.5

<sup>a</sup> Includes Australian Capital Territory for 2009–10. <sup>b</sup> Estimate has a relative standard error of 10 per cent to less than 25 per cent and should be used with caution. <sup>c</sup> Estimate has a relative standard error of 25 per cent to less than 50 per cent and should be used with caution. <sup>d</sup> Based on natural resource management regions. Zero used to denote nil or less than 0.5 gigalitres. **na** Not available.

Source: Australian Bureau of Statistics, *Water Use on Australian Farms*, Australia, cat. no. 4618.0, Canberra

**TABLE 190** Water consumption, agriculture industry, Australia

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>New South Wales</b>							
Nursery and floriculture production	GL	16.8	15.1	1.7	8.0	11.2	9.9
Mushroom and vegetable growing	GL	98.2	65.6	90.9	138.3	101.6	127.1
Fruit and tree nut growing	GL	239.6	193.6	288.4	415.9	297.0	330.4
Sheep, beef cattle and grain farming	GL	1 163.4	1 677.7	2 848.0	4 232.8	2 681.4	2 433.5
Other crop growing	GL	401.0	738.3	646.0	921.6	1 601.9	935.3
Dairy cattle farming	GL	177.2	134.7	140.4	448.4	253.0	232.7
Poultry farming	GL	7.6	8.2	7.6	na	na	17.8
Other livestock farming	GL	23.7	27.7	14.2	21.8	21.2	33.6
Total	GL	2 127.4	2 860.8	4 037.2	6 210.2	4 982.9	4 120.2
<b>Victoria</b>							
Nursery and floriculture production	GL	13.0	8.6	10.0	10.9	9.2	10.5
Mushroom and vegetable growing	GL	79.9	64.6	92.7	79.5	85.4	103.3
Fruit and tree nut growing	GL	382.0	272.9	475.7	559.5	617.0	486.9
Sheep, beef cattle and grain farming	GL	325.1	285.1	424.8	601.9	490.8	676.5
Other crop growing	GL	13.9	9.9	43.7	21.3	20.6	59.8
Dairy cattle farming	GL	719.8	573.2	967.8	1 294.2	1 322.3	1 371.8
Poultry farming	GL	4.5	6.5	5.9	na	na	5.7
Other livestock farming	GL	14.3	13.5	20.8	33.3	22.0	24.0
Total	GL	1 552.5	1 234.3	2 041.4	2 607.3	2 572.1	2 738.4
<b>Queensland</b>							
Nursery and floriculture production	GL	16.3	10.3	15.2	9.6	10.8	9.6
Mushroom and vegetable growing	GL	91.2	84.1	100.6	115.6	127.4	101.7
Fruit and tree nut growing	GL	182.3	121.9	122.5	132.2	137.0	140.4
Sheep, beef cattle and grain farming	GL	587.0	596.0	334.4	484.6	516.8	409.1
Other crop growing	GL	961.8	996.9	1 371.3	1 665.8	1 917.5	1 515.2
Dairy cattle farming	GL	64.0	43.4	45.1	34.8	32.6	53.0
Poultry farming	GL	1.8	3.6	7.7	na	na	5.9
Other livestock farming	GL	23.2	22.3	17.1	12.6	14.0	15.5
Total	GL	1 927.7	1 878.5	2 013.8	2 462.8	2 760.5	2 250.4
<b>South Australia</b>							
Nursery and floriculture production	GL	3.0	4.1	2.1	3.7	1.8	3.4
Mushroom and vegetable growing	GL	73.1	75.4	92.2	67.8	57.2	58.2
Fruit and tree nut growing	GL	256.1	232.3	249.1	269.7	269.3	259.6
Sheep, beef cattle and grain farming	GL	252.6	232.4	229.6	305.5	258.9	268.9
Other crop growing	GL	9.9	15.3	4.1	1.8	2.3	2.5
Dairy cattle farming	GL	115.0	76.5	73.2	97.4	92.5	105.8
Poultry farming	GL	1.2	2.1	1.3	na	na	2.6
Other livestock farming	GL	9.5	7.9	9.3	10.8	7.1	8.0
Total	GL	720.4	646.0	660.9	758.8	691.0	708.8
<b>Western Australia</b>							
Nursery and floriculture production	GL	9.7	7.8	7.2	9.5	6.7	8.7
Mushroom and vegetable growing	GL	58.6	52.9	81.0	89.4	68.2	76.8
Fruit and tree nut growing	GL	42.0	45.1	62.4	40.9	39.3	43.6
Sheep, beef cattle and grain farming	GL	145.7	134.5	95.5	101.5	107.6	154.2
Other crop growing	GL	18.7	19.6	17.2	10.0	23.5	1.5
Dairy cattle farming	GL	39.9	52.4	43.1	29.4	36.6	14.8
Poultry farming	GL	1.1	1.4	1.7	na	na	1.9
Other livestock farming	GL	8.0	5.0	6.5	4.7	12.0	6.0
Total	GL	323.8	318.8	314.6	287.9	295.7	307.5

Continued

**TABLE 190** Water consumption, agriculture industry, Australia *continued*

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Tasmania</b>							
Nursery and floriculture production	GL	1.2	0.7	0.7	1.0	2.2	2.9
Mushroom and vegetable growing	GL	35.1	17.0	53.3	33.5	42.3	28.5
Fruit and tree nut growing	GL	8.4	6.5	8.9	5.4	4.5	5.6
Sheep, beef cattle and grain farming	GL	139.7	105.4	63.6	101.4	81.5	81.0
Other crop growing	GL	3.7	3.3	9.4	18.9	7.4	7.5
Dairy cattle farming	GL	94.8	50.4	65.8	84.6	94.3	101.3
Poultry farming	GL	0.4	0.2	0.4	na	na	0.5
Other livestock farming	GL	2.4	1.2	1.1	0.3	1.9	0.9
Total	GL	285.8	184.7	203.3	245.6	234.8	228.2
<b>Northern Territory</b>							
Nursery and floriculture production	GL	0.9	0.6	0.5	0.1	0.1	0.1
Mushroom and vegetable growing	GL	1.8	4.5	6.2	na	na	8.8
Fruit and tree nut growing	GL	9.9	10.1	10.3	7.6	9.3	15.4
Sheep, beef cattle and grain farming	GL	35.9	36.0	33.8	na	na	30.9
Other crop growing	GL	0.6	0.1	0.7	0.5	0.1	0.4
Dairy cattle farming	GL	0.0	0.4	0.0	0.0	0.0	na
Poultry farming	GL	0.0	0.0	0.0	na	na	na
Other livestock farming	GL	0.2	0.1	0.5	0.3	0.2	0.4
Total	GL	49.3	51.8	52.2	44.7	49.9	56.1
<b>Australian Capital Territory</b>							
Nursery and floriculture production	GL	0.1	0.1	0.1	0.0	0.0	0.0
Mushroom and vegetable growing	GL	0.0	0.0	0.0	na	na	0.0
Fruit and tree nut growing	GL	0.1	0.0	0.0	0.2	0.1	0.0
Sheep, beef cattle and grain farming	GL	0.2	0.2	0.3	na	na	0.2
Other crop growing	GL	0.1	0.1	0.0	0.0	0.4	0.0
Dairy cattle farming	GL	0.0	0.0	0.0	0.0	0.0	na
Poultry farming	GL	0.0	0.0	0.0	na	na	na
Other livestock farming	GL	0.0	0.0	0.0	0.0	0.0	0.0
Total	GL	0.5	0.5	0.4	1.3	1.2	0.3
<b>Australia</b>							
Nursery and floriculture production	GL	61.0	47.3	37.5	43.0	42.0	45.2
Mushroom and vegetable growing	GL	437.8	364.1	516.8	531.0	487.4	504.5
Fruit and tree nut growing	GL	1 120.3	882.5	1 217.5	1 431.4	1 373.5	1 282.0
Sheep, beef cattle and grain farming	GL	2 649.7	3 067.2	4 030.0	5 858.0	4 172.4	4 054.2
Other crop growing	GL	1 409.7	1 783.6	2 092.4	2 640.0	3 573.7	2 522.1
Dairy cattle farming	GL	1 210.9	931.0	1 335.4	1 988.8	1 831.3	1 879.3
Poultry farming	GL	16.6	22.0	24.8	na	na	34.4
Other livestock farming	GL	81.4	77.6	69.5	83.7	78.5	88.3
Total	GL	6 987.3	7 175.4	9 323.8	12 618.7	11 588.1	10 410.0

na Not available. Zero is used to denote nil or less than 0.5 Gegalitres.

Note: Data presented in this table differ from the data presented in the other water tables. The 'Agriculture' industry view presented here only presents the agricultural activity that occurs in businesses where the primary income producing activity (i.e. the activity with value added that exceeds the value added of any other activity carried out by the same business) of the business is agricultural production. Businesses which undertake some agricultural activity but for which other activities provide most of the income are excluded from the 'Agriculture' industry view. As such the industry view of 'Agriculture' shows a lower level (approximately 10%) of water consumption than the agricultural activity view.

Source: Australian Bureau of Statistics, *Water Account*, Australia, cat. no. 4610.0, Canberra

TABLE 191 Irrigation expenditure, Australia

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Water license and annual irrigation charges</b>							
New South Wales a	\$m	na	na	na	na	na	na
Victoria	\$m	na	na	na	na	na	na
Queensland	\$m	na	na	na	na	na	na
South Australia	\$m	na	na	na	na	na	na
Western Australia	\$m	na	na	na	na	na	na
Tasmania	\$m	na	na	na	na	na	na
Northern Territory	\$m	na	na	na	na	na	na
Australian Capital Territory	\$m	na	na	na	na	na	na
Australia	\$m	na	na	na	na	na	na
<b>Purchase of extra water on a temporary basis</b>							
New South Wales a	\$m	na	na	na	43.5	53.6	54.1
Victoria	\$m	na	na	na	34.3	42.9	62.5
Queensland	\$m	na	na	na	6.6	4.8	4.8
South Australia	\$m	na	na	na	5.9	3.9	5.6
Western Australia	\$m	na	na	na	0.7	na	0.3
Tasmania	\$m	na	na	na	1.0	na	1.1
Northern Territory	\$m	na	na	na	na	na	0.0
Australian Capital Territory	\$m	na	na	na	na	na	na
Australia	\$m	na	na	na	91.9	106.1	128.4
<b>Purchase of extra water on a permanent basis</b>							
New South Wales a	\$m	na	na	na	na	28.3	25.4
Victoria	\$m	na	na	na	na	19.3	48.3
Queensland	\$m	na	na	na	na	na	11.2
South Australia	\$m	na	na	na	na	na	5.0
Western Australia	\$m	na	na	na	na	0.2	0.1
Tasmania	\$m	na	na	na	na	na	2.7
Northern Territory	\$m	na	na	na	na	na	na
Australian Capital Territory	\$m	na	na	na	na	na	na
Australia	\$m	na	na	na	na	na	92.8
<b>Other irrigation operating expenses</b>							
New South Wales a	\$m	na	na	na	na	108.4	na
Victoria	\$m	na	na	na	na	48.5	na
Queensland	\$m	na	na	na	na	104.4	na
South Australia	\$m	na	na	na	na	62.7	na
Western Australia	\$m	na	na	na	na	18.4	na
Tasmania	\$m	na	na	na	na	14.1	na
Northern Territory	\$m	na	na	na	na	na	na
Australian Capital Territory	\$m	na	na	na	na	na	na
Australia	\$m	na	na	na	na	358.8	na
<b>Purchase of irrigation equipment</b>							
New South Wales a	\$m	na	na	na	na	56.5	na
Victoria	\$m	na	na	na	na	27.2	na
Queensland	\$m	na	na	na	na	52.1	na
South Australia	\$m	na	na	na	na	11.0	na
Western Australia	\$m	na	na	na	na	8.6	na
Tasmania	\$m	na	na	na	na	21.0	na
Northern Territory	\$m	na	na	na	na	na	na
Australian Capital Territory	\$m	na	na	na	na	na	na
Australia	\$m	na	na	na	na	177.0	na

Continued

**TABLE 191** Irrigation expenditure, Australia *continued*

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
<b>Capital construction of earthworks and structures</b>							
New South Wales <sup>a</sup>	\$m	na	na	na	na	34.0	na
Victoria	\$m	na	na	na	na	26.5	na
Queensland	\$m	na	na	na	na	12.4	na
South Australia	\$m	na	na	na	na	1.8	na
Western Australia	\$m	na	na	na	na	3.9	na
Tasmania	\$m	na	na	na	na	4.8	na
Northern Territory	\$m	na	na	na	na	0.1	na
Australian Capital Territory	\$m	na	na	na	na	na	na
Australia	\$m	na	na	na	na	83.4	na
<b>Total irrigation expenditure</b>							
New South Wales <sup>a</sup>	\$m	na	na	na	na	514.6	na
Victoria	\$m	na	na	na	na	331.7	na
Queensland	\$m	na	na	na	na	na	na
South Australia	\$m	na	na	na	na	139.7	na
Western Australia	\$m	na	na	na	na	na	na
Tasmania	\$m	na	na	na	na	60.7	na
Northern Territory	\$m	na	na	na	na	3.1	na
Australian Capital Territory	\$m	na	na	na	na	na	na

<sup>a</sup> Includes Australian Capital Territory for 2009–10. **na** Not available.

Note: Australian Bureau of Statistics does not collect this data on annual basis.

Source: Australian Bureau of Statistics, *Water Use on Australian Farms*, Australia, cat. no. 4618.0, Canberra

TABLE 192 Summary of Australian statistics for wheat a

	Area cd	Yield	Production		Exports b		Apparent domestic use f	Closing stocks g
			Volume c	Unit value	Volume	Unit value e		
	'000 ha	t/ha	kt	\$/t	kt	\$/t	kt	kt
1972–73	7 604	0.85	6 434	55.4	4 137	51.0	3 270	1 530
1973–74	8 948	1.33	11 902	110.2	7 418	102.0	3 080	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	1.32	11 800	89.1	9 763	109.0	2 565	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	18 089	126.9	11 693	116.0	2 530	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	16 359	158.9	11 068	158.0	2 456	5 931
1982–83	11 520	0.76	8 805	177.9	7 280	168.0	4 119	3 337
1983–84	12 800	1.62	20 788	173.4	14 159	172.0	1 413	8 553
1984–85	12 045	1.50	18 072	177.2	14 659	183.0	2 488	9 478
1985–86	11 736	1.37	16 063	167.7	16 331	185.0	2 330	6 880
1986–87	11 135	1.45	16 119	149.5	15 658	147.0	2 637	4 705
1987–88	9 005	1.36	12 287	164.1	9 993	145.0	3 398	3 600
1988–89	8 827	1.58	13 935	213.6	11 427	214.4	2 762	3 346
1989–90	9 004	1.58	14 215	195.2	10 993	213.0	2 417	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	4 096	3 303
1992–93	8 275	1.78	14 739	182.2	10 359	206.8	2 741	4 942
1993–94	8 383	1.97	16 479	174.0	13 818	174.7	3 901	3 703
1994–95	7 891	1.14	8 961	237.4	6 351	234.1	3 873	2 441
1995–96	9 221	1.79	16 504	260.8	13 319	286.4	4 112	1 514
1996–97	10 936	2.10	22 924	212.8	19 224	226.9	3 544	1 671
1997–98	10 441	1.84	19 227	197.7	15 725	240.9	4 115	1 058
1998–99	11 543	1.86	21 465	186.9	16 450	203.3	4 452	1 624
1999–2000	12 168	2.03	24 757	195.1	17 838	205.4	4 859	3 687
2000–01	12 141	1.82	22 108	232.1	16 142	267.9	4 818	4 835
2001–02	11 529	2.11	24 299	261.6	16 318	277.9	5 019	7 798
2002–03	11 170	0.91	10 132	265.7	9 107	283.1	5 816	3 308
2003–04	13 067	2.00	26 132	215.7	17 868	231.1	5 357	6 217
2004–05	13 399	1.63	21 905	197.1	14 675	213.7	6 027	7 424
2005–06	12 443	2.02	25 150	202.7	15 969	221.6	6 627	9 982
2006–07	11 798	0.92	10 822	242.0	8 685	266.5	7 420	4 705
2007–08	12 578	1.08	13 569	390.0	7 444	450.6	6 517	4 319
2008–09	13 530	1.58	21 420	281.1	14 707	347.8	7 306	3 738
2009–10	13 881	1.57	21 834	218.3	14 791	255.4	4 999	5 798
2010–11	13 502	2.03	27 410	257.3	18 584	314.7	5 663	8 973
2011–12	13 902	2.15	29 905	226.6	24 656	270.7	6 334	7 901
2012–13	12 979	1.76	22 855	313.0	18 644	337.3	6 451	5 678
2013–14	12 613	2.01	25 303	316.1	18 612	326.4	6 785	5 605
2014–15	12 384	1.92	23 743	300.1	16 587	340.4	7 154	5 628
2015–16	na	na	na	na	16 121	311.6	na	na

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 Exports are of wheat and meslin (mixed grain, especially rye mixed with wheat) plus 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 Planted area. e Export unit value based on July–June year exports until 1987–88 and crop year exports thereafter. f In principle, calculated as a residual: production plus imports less exports less any observed or assumed change in stocks. g Historical data include AWB Limited Pool and Trading Division closing stocks. na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Historical Selected Agriculture Commodities, by State (1861 to Present)*, cat. no. 7124.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Value of Australian Commodities Produced, Australia*, cat. no. 7503.0, Canberra

**TABLE 193** Australian wheat area, yield and production, by state

Area bc	Unit	New			South	Western		Australia a
		South Wales	Victoria	Queensland	Australia	Australia	Tasmania	
2001–02	'000 ha	3 446	1 136	604	1 987	4 350	6	11 529
2002–03	'000 ha	2 995	1 239	514	1 957	4 458	7	11 170
2003–04	'000 ha	3 983	1 409	790	1 960	4 917	8	13 067
2004–05	'000 ha	4 256	1 327	711	1 979	5 118	7	13 399
2005–06	'000 ha	3 554	1 315	778	2 035	4 753	8	12 443
2006–07	'000 ha	3 596	1 347	638	2 173	4 037	7	11 798
2007–08	'000 ha	4 009	1 514	669	2 121	4 258	7	12 578
2008–09	'000 ha	4 322	1 534	1 020	2 104	4 542	9	13 530
2009–10	'000 ha	3 983	1 801	962	2 122	5 006	7	13 881
2010–11	'000 ha	3 815	1 793	906	2 341	4 640	8	13 502
2011–12	'000 ha	3 868	1 669	953	2 249	5 156	7	13 902
2012–13	'000 ha	3 487	1 592	866	2 119	4 909	6	12 979
2013–14	'000 ha	3 269	1 536	758	1 927	5 115	8	12 613
2014–15	'000 ha	3 166	1 493	634	2 045	5 038	8	12 384
<b>Yield</b>								
2001–02	t/ha	2.33	2.46	1.49	2.41	1.78	4.29	2.11
2002–03	t/ha	0.83	0.72	1.17	1.06	0.91	3.42	0.91
2003–04	t/ha	1.83	2.23	1.41	1.78	2.25	3.39	2.00
2004–05	t/ha	1.77	1.45	1.65	1.32	1.68	4.12	1.63
2005–06	t/ha	2.26	2.21	1.56	1.89	1.91	4.30	2.02
2006–07	t/ha	0.71	0.65	1.22	0.67	1.27	2.46	0.92
2007–08	t/ha	0.62	1.32	1.43	1.08	1.37	3.77	1.08
2008–09	t/ha	1.61	1.14	1.98	1.13	1.82	4.06	1.58
2009–10	t/ha	1.34	1.66	1.40	1.89	1.62	3.79	1.57
2010–11	t/ha	2.75	2.46	1.68	2.54	1.08	3.94	2.03
2011–12	t/ha	2.19	2.36	1.98	2.01	2.14	4.87	2.15
2012–13	t/ha	2.11	2.15	1.86	1.74	1.37	5.08	1.76
2013–14	t/ha	2.02	2.21	1.37	2.21	1.95	5.32	2.01
2014–15	t/ha	2.10	1.76	1.56	2.25	1.75	5.31	1.92
<b>Production b</b>								
2001–02	kt	8 043	2 791	901	4 779	7 760	25	24 299
2002–03	kt	2 495	890	601	2 072	4 047	25	10 132
2003–04	kt	7 288	3 146	1 110	3 490	11 070	26	26 132
2004–05	kt	7 537	1 927	1 170	2 621	8 619	31	21 905
2005–06	kt	8 049	2 909	1 218	3 853	9 088	34	25 150
2006–07	kt	2 568	879	777	1 446	5 134	18	10 822
2007–08	kt	2 477	1 995	954	2 296	5 820	27	13 569
2008–09	kt	6 963	1 756	2 016	2 376	8 274	35	21 420
2009–10	kt	5 350	2 995	1 346	4 001	8 114	27	21 834
2010–11	kt	10 488	4 412	1 524	5 949	5 005	32	27 410
2011–12	kt	8 473	3 943	1 886	4 525	11 045	32	29 905
2012–13	kt	7 365	3 423	1 614	3 679	6 744	30	22 855
2013–14	kt	6 596	3 396	1 036	4 254	9 977	43	25 303
2014–15	kt	6 654	2 631	987	4 602	8 824	44	23 743

**a** Includes data for the Australian Capital Territory and the Northern Territory. **b** Excludes establishments with an estimated value of agricultural operations (EVAO) of less than \$5 000. **c** Planted area.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agriculture Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Historical Selected Agriculture Commodities, by State (1861 to Present)*, cat. no. 7124.0, Canberra

**TABLE 194** Volume of Australian exports of wheat, by destination <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
<b>Africa</b>							
Egypt	501	730	618	514	275	427	288
Former Sudan	664	505	811	238	0	0	0
Mozambique	12	164	141	189	111	37	46
Nigeria	0	0	49	190	554	436	448
South Africa	46	90	265	255	55	108	44
Sudan	0	0	0	684	815	296	0
Tanzania	80	245	67	191	147	229	0
<b>Asia</b>							
Bangladesh	443	1 049	259	22	53	151	190
Burma	164	175	179	199	282	242	365
China	745	530	1 872	1 235	1 491	930	1 366
India	240	137	4	9	8	249	234
Indonesia	2 854	3 892	4 066	4 424	3 720	4 377	3 648
Japan	1 110	1 175	1 293	1 178	882	904	899
Korea, Rep. of	826	1 197	2 343	1 496	910	1 048	1 203
Malaysia	756	928	894	855	957	906	835
Philippines	98	736	1 577	994	359	712	817
Singapore	83	95	92	88	119	96	126
Taiwan	293	322	331	224	253	240	206
Thailand	442	661	1 442	475	387	466	409
Vietnam	1 174	1 872	2 509	1 290	1 470	1 262	1 328
<b>Middle East</b>							
Iran	61	0	208	1 292	849	269	102
Iraq	635	906	522	1 771	959	155	53
Kuwait	338	372	320	320	436	381	403
Oman	0	159	162	158	154	152	147
Saudi Arabia	69	66	349	409	377	13	16
United Arab Emirates	207	353	180	182	40	99	166
Yemen	648	779	841	722	1 070	928	915
<b>Oceania</b>							
Fiji	158	149	157	184	160	168	209
New Zealand	280	349	537	419	498	521	473
Papua New Guinea	160	190	170	182	187	213	217
<b>Total</b>	<b>13 725</b>	<b>18 431</b>	<b>23 026</b>	<b>21 265</b>	<b>18 336</b>	<b>16 571</b>	<b>15 777</b>
(value, \$m)	3 692	5 516	6 378	6 776	6 103	5 547	5 120

<sup>a</sup> July–June year. Exports are of wheat and meslin (mixed grain, especially rye mixed with wheat) plus flour in wheat equivalent (conversion 1:1.29).

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



**TABLE 195** Australian wheat supply and disposal <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	kt	kt	kt	kt	kt	kt	kt
Production	21 834	27 410	29 905	22 855	25 303	23 743	na
Apparent domestic use	4 999	5 663	6 334	6 451	6 785	7 154	na
Seed	675	695	649	631	619	640	na
Other <sup>b</sup>	4 324	4 968	5 685	5 820	6 165	6 514	na
Exports							
Wheat	14 661	18 515	24 598	18 604	18 581	16 543	16 088
Flour <sup>c</sup>	130	69	58	40	32	44	33
Total	14 791	18 584	24 656	18 644	18 612	16 587	16 121
Imports							
Wheat	0	1	1	2	2	1	1
Flour <sup>c</sup>	15	11	13	15	18	21	24
Total	15	12	14	17	20	22	25

<sup>a</sup> October–September year. <sup>b</sup> In principle, calculated as a residual: production plus imports less exports less any observed or assumed change in stocks and less seed use. <sup>c</sup> Wheat equivalent (conversion 1:1.29). **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra

TABLE 196 Summary of world statistics for wheat

	Area a million ha	Production Mt	Closing stocks			Stocks- to-use ratio	Trade d Mt	Use per person kg	Price e US\$/t
			Use Mt	World b Mt	Exporters c Mt				
1972-73	213	348	366	71	28	19	68	94	91.00
1973-74	221	376	363	87	26	24	63	92	177.00
1974-75	223	364	368	83	30	23	63	91	164.00
1975-76	227	359	364	80	38	22	66	88	152.00
1976-77	234	425	380	121	56	32	62	91	113.00
1977-78	228	386	413	98	53	24	72	97	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	99	170.00
1982-83	239	483	465	137	70	30	96	100	160.00
1983-84	231	489	473	151	66	32	100	100	154.00
1984-85	232	513	495	176	73	36	103	103	148.00
1985-86	231	500	491	189	85	38	84	100	128.00
1986-87	229	531	518	201	83	39	90	104	110.50
1987-88	221	505	528	180	61	34	107	104	123.40
1988-89	220	500	529	151	40	29	98	102	165.75
1989-90	226	537	532	157	38	29	101	101	160.83
1990-91	230	592	567	182	55	32	100	106	117.94
1991-92	221	543	552	174	50	31	110	101	150.96
1992-93	221	562	548	187	55	34	111	99	141.33
1993-94	220	557	557	188	45	34	99	99	141.52
1994-95	215	527	545	170	52	31	92	96	156.42
1995-96	219	541	549	163	44	30	96	95	215.33
1996-97	231	582	579	167	46	29	100	99	178.50
1997-98	228	610	583	195	58	33	99	98	141.75
1998-99	225	587	579	203	59	35	99	96	119.08
1999-2000	217	585	582	206	58	35	109	96	113.17
2000-01	218	582	584	205	59	35	102	95	128.50
2001-02	213	581	585	201	66	34	107	94	127.09
2002-03	213	566	601	166	56	28	106	95	160.62
2003-04	208	557	596	127	49	21	103	93	160.49
2004-05	217	628	613	141	67	23	110	95	153.65
2005-06	217	621	623	139	66	22	110	95	175.69
2006-07	211	597	601	135	55	22	111	91	211.86
2007-08	215	609	613	131	43	21	111	91	360.07
2008-09	223	687	647	172	64	27	137	95	271.12
2009-10	223	682	656	197	73	30	129	95	209.02
2010-11	218	654	659	193	68	29	126	94	316.63
2011-12	221	700	700	192	63	27	147	99	299.19
2012-13	215	658	678	171	46	25	142	95	347.74
2013-14	219	717	698	190	49	27	157	97	317.37
2014-15	221	730	715	205	59	29	153	98	265.82
2015-16	225	737	720	222	61	31	164	97	211.23

a Area is harvested area. b 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. China not included before 1983-84.

c Argentina, Australia, Canada, European Union and United States. Includes Kazakhstan, Russian Federation and Ukraine from 2003-04. d July-June year. Excludes intra-EU trade. e US no. 2 hard red winter, fob Gulf, July-June average. fob free on board.

Sources: ABARES; International Grains Council, London

TABLE 197 World wheat production, by country

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Africa							
Algeria	3.6	3.1	2.8	3.4	3.3	1.9	2.7
Egypt	8.5	7.5	8.4	8.5	8.7	8.5	8.5
Morocco	6.4	4.9	5.8	3.9	7.0	5.1	8.1
South Africa	2.0	1.4	2.0	1.9	2.0	1.8	1.4
Americas							
Argentina	9.0	15.9	14.5	8.0	9.2	13.9	11.3
Brazil	5.0	5.9	5.8	4.4	5.5	6.0	5.5
Canada	26.8	23.3	25.3	27.2	37.5	29.4	27.6
Mexico	4.3	3.7	3.7	3.2	3.4	3.7	3.8
United States	60.1	58.9	54.2	61.3	58.1	55.1	56.1
Asia							
China	115.1	115.2	117.4	120.8	121.9	126.2	130.2
India	80.7	80.8	86.9	94.9	93.5	95.9	86.5
Kazakhstan	16.5	9.6	22.7	9.8	13.9	13.0	13.8
Pakistan	24.0	23.9	24.2	23.3	24.2	26.0	25.5
Uzbekistan	6.2	6.5	6.3	6.7	6.8	7.2	7.0
Europe							
European Union <sup>a</sup>	138.3	136.8	137.4	131.6	143.2	156.1	159.8
Belgium	2.0	1.8	1.8	1.8	1.8	1.9	2.2
Bulgaria	4.0	4.0	4.3	4.3	5.2	5.3	4.7
Czech Republic	4.4	4.2	5.0	3.6	4.6	5.3	5.3
Denmark	5.9	5.3	4.8	4.6	4.1	5.2	4.5
Hungary	4.4	3.8	4.1	3.9	5.1	5.2	5.2
France	38.3	38.1	36.1	37.9	38.5	39.0	42.5
Germany	25.2	24.0	23.0	22.4	25.0	27.8	26.3
Italy	6.3	6.9	6.8	7.7	7.2	6.9	7.3
Poland	9.8	9.5	9.3	8.7	9.6	11.6	10.9
Romania	5.2	6.0	6.7	5.2	7.2	7.6	7.9
Spain	4.8	5.7	6.8	5.1	7.7	6.5	6.3
Sweden	2.3	2.2	2.3	2.3	1.9	3.1	3.3
United Kingdom	14.1	14.9	15.3	13.3	11.9	16.6	16.0
Russian Federation	61.7	41.5	56.2	37.7	52.1	59.1	61.1
Ukraine	20.9	16.8	22.3	15.8	22.3	24.7	27.3
Middle East							
Iran	12.0	15.0	13.5	14.0	14.5	13.0	13.8
Iraq	1.4	2.9	2.6	2.1	3.3	3.5	3.3
Syria	4.0	3.6	3.9	3.7	4.0	2.1	3.0
Turkey	20.6	19.7	21.8	20.1	22.1	19.0	22.6
Oceania							
Australia	21.8	27.4	29.9	22.9	25.3	23.7	na
World	681.7	653.9	699.6	657.5	717.1	730.3	736.6

<sup>a</sup> Regarded as 27 countries from 2006–07, 28 countries from 2013–14. **na** Not available.

Sources: ABARES; Australian Bureau of Statistics, *Agricultural Commodities, Australia*, cat. no 7121.0, Canberra; International Grains Council, London; US Department of Agriculture, Washington DC

**TABLE 198** Volume of world wheat trade, by country a

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>							
Africa							
Algeria	5.1	6.4	6.3	6.5	7.4	7.3	8.2
Egypt	10.2	10.4	11.6	8.2	10.1	11.1	12.2
Libya	2.2	1.4	1.6	2.1	2.1	1.4	1.3
Morocco	2.3	3.9	3.0	3.9	3.9	4.0	4.4
Nigeria	4.0	4.0	3.9	4.2	4.6	4.3	4.4
Tunisia	1.5	1.8	1.4	1.6	1.7	1.5	2.0
Americas							
Brazil	6.7	6.6	6.8	7.7	7.0	5.7	6.1
Mexico	3.1	3.4	5.0	3.8	4.7	4.6	4.7
Peru	1.6	1.8	1.7	1.7	2.1	1.8	1.8
United States	3.2	2.6	3.0	3.5	4.8	4.0	3.1
Asia							
Afghanistan	2.2	2.0	1.6	1.6	1.6	1.9	2.3
Bangladesh	3.5	3.4	1.9	2.7	3.4	3.6	4.6
China	1.4	1.0	3.0	3.3	6.7	2.1	3.5
Indonesia	5.4	6.6	6.5	7.2	7.5	7.3	10.2
Japan	5.5	6.0	5.8	6.3	5.9	5.6	5.6
Korea, Rep. of	4.4	4.9	5.1	5.2	4.1	4.0	4.5
Philippines	3.0	3.2	4.0	3.6	3.5	5.0	4.9
Thailand	1.5	1.9	2.6	1.8	1.7	3.5	4.9
Uzbekistan	1.7	1.6	2.7	1.9	2.2	2.2	2.5
Vietnam	1.9	2.5	2.7	1.6	2.0	2.3	3.1
Europe							
European Union b	5.1	4.7	7.2	5.3	4.1	6.2	7.0
Middle East							
Iran	3.0	0.1	2.5	5.4	6.5	5.0	3.3
Iraq	3.9	3.5	3.9	3.9	3.1	2.2	2.2
Saudi Arabia	1.8	1.7	2.9	2.1	3.5	3.6	2.9
Turkey	3.3	3.5	4.3	3.3	4.2	5.8	4.4
Yemen	2.7	2.6	2.6	3.2	3.4	3.2	3.2
<b>Exports</b>							
Americas							
Argentina	5.1	9.6	13.0	3.7	2.5	5.4	8.5
Brazil	1.2	2.6	1.7	1.7	0.1	1.7	1.1
Canada	18.5	16.2	17.5	19.6	23.5	23.9	21.7
Mexico	0.9	0.8	1.0	0.9	1.3	1.1	1.5
United States	23.9	35.1	28.6	27.5	32.0	23.5	21.1
Europe							
European Union b	22.5	23.9	17.4	23.5	32.8	36.2	35.7
Russian Federation	18.8	4.0	21.6	11.2	18.5	22.2	25.4
Ukraine	9.3	4.3	5.4	7.1	9.5	11.2	17.4
Asia							
India	0.0	0.0	0.9	6.8	6.0	3.4	0.9
Kazakhstan	8.0	5.6	11.1	7.2	8.4	5.9	7.3
Turkey	4.0	2.4	3.1	2.8	3.4	3.3	4.8
Oceania							
Australia	14.8	18.6	24.7	18.6	18.6	16.6	16.1
<b>World c</b>	<b>128.6</b>	<b>126.1</b>	<b>146.5</b>	<b>141.9</b>	<b>156.5</b>	<b>153.3</b>	<b>164.3</b>

a Fiscal year for imports data, local marketing years for exports data. Includes wheat equivalent of flour and durum semolina. b Regarded as 27 countries from 2006–07, 28 countries from 2013–14. Excludes intra-EU trade. c Excludes intra-EU trade

Sources: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; International Grains Council, London; US Department of Agriculture, Washington DC

TABLE 199 US wheat supply and disposal <sup>a</sup>

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
Area								
– planted	million ha	23.9	21.3	22.0	22.4	22.8	23.0	22.3
– harvested	million ha	20.2	19.0	18.5	19.7	18.3	18.8	19.1
Yield	t/ha	2.98	3.10	2.93	3.11	3.17	2.94	2.93
Opening stocks	Mt	17.9	26.6	23.5	20.2	19.5	16.1	20.5
Production	Mt	60.1	58.9	54.2	61.3	58.1	55.1	56.1
Imports	Mt	3.2	2.6	3.1	3.3	4.7	4.1	3.1
Total supply	Mt	81.2	88.1	80.8	84.8	82.3	75.3	79.7
Domestic use	Mt	30.7	29.4	32.0	37.8	34.3	31.3	32.0
– food	Mt	24.4	24.6	24.9	25.2	25.5	25.3	25.6
– feed	Mt	0.6	0.5	0.6	0.7	0.6	0.5	0.5
– seed	Mt	na	na	na	na	na	na	na
Exports	Mt	23.9	35.1	28.6	27.5	32.0	23.5	21.1
Total use	Mt	54.7	64.6	60.6	65.4	66.3	54.9	53.1
Closing stocks	Mt	26.6	23.5	20.2	19.5	16.1	20.5	26.6
Farm price	US\$/t	178.94	209.44	266.02	285.50	252.43	220.10	179.68
Export price <sup>b</sup>	US\$/t	209.02	316.63	299.19	347.74	317.37	265.82	211.23

<sup>a</sup> June–May year. <sup>b</sup> US no. 2 hard red winter, fob Gulf, July–June average. **fob** free on board. **na** Not available.

Sources: International Grains Council, London; US Department of Agriculture, Washington DC

**TABLE 200** Wheat export price quotation, by country and category <sup>a</sup>

	<b>Australian standard white (eastern states) <sup>b</sup></b>	<b>Canadian no. 1 western red spring 12.5% (Vancouver) <sup>c</sup></b>	<b>US no. 2 hard red winter (Gulf)</b>	<b>Argentinean bread wheat</b>	<b>EU standard (Rouen)</b>	<b>US no. 2 soft red winter (Gulf)</b>
	US\$/t	US\$/t	US\$/t	US\$/t	US\$/t	US\$/t
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
1999–2000	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	127.09	115.24	110.92	116.10
2002–03	185.97	194.96	160.62	144.56	113.58	140.16
2003–04	183.56	182.53	160.49	153.80	167.54	152.45
2004–05	175.70	190.69	153.65	123.34	137.32	142.30
2005–06	194.60	206.84	175.69	134.91	132.54	141.60
2006–07	231.66	233.50	211.86	187.75	197.47	180.53
2007–08	302.01	460.59	360.07	325.96	358.37	328.41
2008–09	226.24	341.13	271.12	232.70	211.82	209.84
2009–10	202.11	274.96	209.02	222.67	178.62	190.44
2010–11	280.13	412.91	316.63	313.44	321.89	299.34
2011–12	248.50	404.51	299.19	263.18	275.70	262.59
2012–13	327.17	359.64	347.74	336.02	328.50	347.01
2013–14	282.18	324.78	317.37	336.20	273.29	274.98
2014–15	252.33	282.54	265.82	253.61	215.91	238.22
2015–16	219.75	230.21	211.23	207.42	180.23	203.32

<sup>a</sup> All prices quoted free on board. <sup>b</sup> The average prices for 2007–08 and 2008–09 do not include prices from October 2007 to October 2008, which are unavailable. <sup>c</sup> The average prices for 2011–12 and 2012–13 do not include prices from May 2012 to January 2013, which are unavailable. The average price for 2013–14 does not include prices from December 2013 to May 2014, which are unavailable. Prior to October 1994 export price quotation for Canadian no. 1 western red spring wheat 13.5 per cent (Vancouver).

Sources: ABARES; International Grains Council, London

TABLE 201 Wheat supply and disposal in major exporting countries a

	Area	Yield	Production	Domestic	Exports b	Closing
	million ha	t/ha	Mt	use	Mt	stocks
				Mt	Mt	Mt
<b>Argentina</b> (December–November)						
2009–10	3.3	2.75	9.0	4.0	5.1	1.7
2010–11	4.5	3.51	15.9	4.4	9.6	3.6
2011–12	4.5	3.23	14.5	4.4	13.0	0.7
2012–13	3.0	2.66	8.0	4.9	3.7	0.1
2013–14	3.5	2.67	9.2	5.2	2.5	1.6
2014–15	5.0	2.80	13.9	5.7	5.4	4.4
2015–16	3.9	2.86	11.3	6.3	8.5	1.0
<b>Australia</b> (October–September)						
2009–10	13.9	1.57	21.8	5.0	14.8	5.8
2010–11	13.5	2.03	27.4	5.7	18.6	9.0
2011–12	13.9	2.15	29.9	6.3	24.7	7.9
2012–13	13.0	1.76	22.9	6.5	18.6	5.7
2013–14	12.6	2.01	25.3	6.8	18.6	5.6
2014–15	12.4	1.92	23.7	7.2	16.6	5.6
2015–16	na	na	na	na	16.1	na
<b>Canada</b> (August–July)						
2009–10	9.6	2.79	26.8	7.2	18.5	7.8
2010–11	8.3	2.82	23.3	7.5	16.2	7.4
2011–12	8.6	2.96	25.3	9.4	17.5	5.9
2012–13	9.5	2.86	27.2	8.6	19.6	5.0
2013–14	10.4	3.59	37.5	8.8	23.5	10.3
2014–15	9.5	3.10	29.4	8.9	23.9	7.0
2015–16	9.6	2.88	27.6	7.9	21.7	5.2
<b>European Union</b> (July–June) c						
2009–10	25.5	5.44	138.3	128.5	22.5	10.9
2010–11	25.9	5.28	136.8	123.0	23.9	5.5
2011–12	26.0	5.28	137.4	126.9	17.4	5.7
2012–13	25.3	5.20	131.6	115.8	23.5	3.3
2013–14	25.7	5.57	143.2	113.8	32.8	4.0
2014–15	26.7	5.84	156.1	123.4	36.2	6.7
2015–16	26.8	5.97	159.8	127.8	35.7	10.1
<b>Kazakhstan</b> (July–June)						
2009–10	14.0	1.18	16.5	7.2	8.0	3.4
2010–11	14.3	0.68	9.6	6.0	5.6	1.5
2011–12	13.8	1.64	22.7	7.3	11.1	5.9
2012–13	12.4	0.79	9.8	6.5	7.2	2.1
2013–14	13.0	1.08	13.9	6.0	8.4	1.6
2014–15	12.0	1.08	13.0	6.8	5.9	2.4
2015–16	11.6	1.19	13.8	6.4	7.3	2.5

Continued

**TABLE 201** Wheat supply and disposal in major exporting countries <sup>a</sup> continued

	Area	Yield	Production	Domestic	Exports <sup>b</sup>	Closing
	million ha	t/ha	Mt	use	Mt	stocks
				Mt		Mt
<b>Russian Federation (July–June)</b>						
2009–10	27.7	2.23	61.7	39.4	18.8	14.7
2010–11	21.8	1.91	41.5	38.3	4.0	13.9
2011–12	24.9	2.26	56.2	38.0	21.6	11.0
2012–13	21.3	1.77	37.7	31.6	11.2	7.3
2013–14	23.4	2.23	52.1	35.8	18.5	6.1
2014–15	23.7	2.50	59.1	36.6	22.2	6.8
2015–16	25.6	2.39	61.1	37.2	25.4	5.9
<b>Ukraine (July–June)</b>						
2009–10	6.8	3.09	20.9	11.8	9.3	2.3
2010–11	6.3	2.68	16.8	11.4	4.3	3.5
2011–12	6.7	3.35	22.3	14.8	5.4	5.7
2012–13	5.6	2.80	15.8	11.4	7.1	3.0
2013–14	6.6	3.39	22.3	11.9	9.5	3.8
2014–15	6.3	3.94	24.7	12.0	11.2	5.4
2015–16	7.1	3.83	27.3	12.2	17.4	3.1
<b>United States (June–May)</b>						
2009–10	20.2	2.98	60.1	30.7	23.9	26.6
2010–11	19.0	3.10	58.9	29.4	35.1	23.5
2011–12	18.5	2.93	54.2	32.0	28.6	20.2
2012–13	19.7	3.11	61.3	37.8	27.5	19.5
2013–14	18.3	3.17	58.1	34.3	32.0	16.1
2014–15	18.8	2.94	55.1	31.3	23.5	20.5
2015–16	19.1	2.93	56.1	32.0	21.1	26.6
<b>Total <sup>d</sup></b>						
2009–10	120.9	2.94	355.3	233.8	120.9	73.2
2010–11	113.5	2.91	330.2	225.6	117.3	67.9
2011–12	116.8	3.10	362.6	239.1	139.3	63.0
2012–13	109.8	2.86	314.3	223.0	118.4	46.1
2013–14	113.5	3.19	361.6	222.5	145.7	49.3
2014–15	114.2	3.28	375.2	231.8	144.9	58.9
2015–16	116.5	3.27	381.1	236.9	153.1	60.8

**a** The crop year for each country is shown in parentheses. **b** Includes wheat equivalent of flour and durum semolina. **c** Regarded as 27 countries from 2006–07, 28 countries from 2013–14. Excludes intra-EU trade. European Union stock figures include intervention stocks. **d** Aggregation of different crop years. **na** Not available. Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; International Grains Council, London; US Department of Agriculture, Washington DC



TABLE 202 Summary of Australian statistics for wine grapes

	Bearing area a '000 ha	Production			Crush b kt	Prices c	
		Red kt	White kt	Total kt		Cool climate A\$/t	Warm climate A\$/t
1990–91	54.5	na	na	487.3	539.0	na	na
1991–92	56.4	na	na	564.1	635.5	na	na
1992–93	58.4	na	na	544.5	626.2	na	na
1993–94	61.4	na	na	661.3	777.4	na	na
1994–95	62.5	na	na	577.4	629.8	na	na
1995–96	64.8	na	na	782.6	883.3	na	na
1996–97	72.1	na	na	743.4	798.0	na	na
1997–98	78.1	334.5	536.1	870.6	975.7	na	na
1998–99	95.3	449.8	626.4	1 076.2	1 125.8	na	na
1999–2000	110.6	na	na	1 111.1	1 145.2	na	na
2000–01	130.6	772.8	618.3	1 391.1	1 424.0	na	na
2001–02	143.4	847.7	666.8	1 514.5	1 605.8	na	na
2002–03	142.8	772.5	557.1	1 329.6	1 398.5	1 428.8	560.3
2003–04	150.6	1 063.1	753.5	1 816.6	1 917.2	1 245.6	536.2
2004–05	153.2	1 010.0	808.4	1 818.4	1 925.5	1 132.1	473.6
2005–06	158.2	980.2	801.5	1 781.7	1 901.6	1 011.2	379.3
2006–07	164.0	669.0	701.6	1 370.7	1 397.4	1 156.2	389.0
2007–08	166.2	984.1	852.9	1 837.0	1 831.5	1 243.0	546.0
2008–09	157.3	888.0	795.6	1 683.6	1 732.5	1 011.0	369.0
2009–10	151.8	845.3	687.9	1 533.2	1 603.0	959.0	298.0
2010–11	155.0	na	na	1 597.7	1 602.4	874.0	285.0
2011–12	145.4	805.8	776.3	1 582.0	1 620.5	978.0	339.0
2012–13	133.4	na	na	1 641.7	1 748.4	1 156.0	351.0
2013–14	126.7	na	na	1 438.0	1 662.8	1 140.0	300.0
2014–15	132.4	844.3	763.9	1 608.2	1 710.0	1 148.0	289.0
2015–16 d	na	na	na	na	1 807.2	na	na

a From 2008–09 bearing area refers to wine grapes only. Prior to this, bearing area refers to all grapes, including grapes used for winemaking and other purposes such as drying and table. b Includes multipurpose grapes.

c Australian weighted average wine grape prices. d ABARES estimate na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Australian Wine and Grape Industry*, cat. no. 1329, Canberra; ABS, *Vineyards Estimates, Australia*, cat. no. 1329.0.55.002, Canberra; Wine Australia, *Australian Winegrape Price Dispersion Report*, Adelaide; Winemakers' Federation of Australia, *Vintage Report*, Adelaide

**TABLE 203** Summary of Australian statistics for wine

	Domestic sales of Australian wine		Exports		Imports	
	Total ML	per person L	ML	\$m	ML	\$m
1989–90	300.6	17.6	38.4	123.0	10.5	52.7
1990–91	296.3	17.1	54.4	181.8	9.0	46.8
1991–92	314.8	18.0	78.9	245.0	8.7	45.6
1992–93	312.1	17.7	103.0	294.9	7.8	47.0
1993–94	319.5	17.9	126.0	370.0	8.4	47.8
1994–95	313.4	17.4	114.0	387.6	14.1	61.3
1995–96	309.5	17.0	130.3	475.7	20.3	60.6
1996–97	333.6	18.1	154.6	605.1	13.6	66.6
1997–98	338.8	18.2	192.9	876.9	25.8	93.6
1998–99	348.3	18.5	216.5	1 070.3	24.3	102.8
1999–2000	369.3	19.4	285.1	1 375.4	19.6	113.9
2000–01	384.8	20.0	338.9	1 756.0	12.8	92.4
2001–02	386.2	19.8	419.0	2 108.8	14.5	115.7
2002–03	402.5	20.4	519.0	2 427.6	17.1	139.3
2003–04	417.4	20.9	584.6	2 497.2	18.9	158.4
2004–05	430.1	21.3	670.0	2 720.7	23.2	200.5
2005–06	432.4	21.1	722.6	2 768.2	27.5	248.4
2006–07	456.1	21.9	788.0	2 894.1	35.9	334.1
2007–08	439.9	20.7	715.7	2 699.9	54.7	453.6
2008–09	449.8	20.7	752.8	2 493.0	63.5	501.7
2009–10	470.8	21.4	789.7	2 188.4	65.5	477.5
2010–11	463.7	20.8	748.4	2 009.4	68.5	489.6
2011–12	457.3	20.1	736.6	1 910.3	84.1	554.4
2012–13	452.9	19.6	716.9	1 866.6	86.2	602.3
2013–14	457.7	19.5	716.7	1 847.4	85.5	677.7
2014–15	na	na	744.9	1 982.7	92.1	690.7
2015–16	na	na	727.1	2 183.9	91.6	752.3

na Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Shipments of Wine and Brandy in Australia by Australian Winemakers and Importers*, cat. no. 8504.0,

**TABLE 204** Australian wine exports, by type and major destination

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Type</b>								
Table wine	ML	770.60	728.30	717.49	699.91	701.61	727.06	709.76
Red	ML	472.75	452.15	436.15	412.70	407.84	423.08	428.79
White	ML	297.84	276.15	281.35	287.21	293.77	303.98	280.97
Other	ML	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sparkling wine	ML	14.99	15.82	15.01	14.45	12.52	11.19	12.25
Fortified wine	ML	2.06	1.96	1.83	1.47	1.73	3.41	2.99
Other wine	ML	2.04	2.33	2.27	1.06	0.83	3.24	2.08
Total	ML	789.68	748.41	736.60	716.90	716.70	744.90	727.08
<b>Major destination</b>								
Canada	\$m	200.8	205.6	179.5	173.3	172.9	178.2	199.1
China	\$m	143.7	178.0	208.6	241.1	201.5	268.9	415.9
Denmark	\$m	36.3	32.0	30.2	29.6	25.1	25.0	23.2
Germany	\$m	35.5	36.4	26.4	23.8	23.2	24.8	27.3
Hong Kong	\$m	49.2	66.3	78.8	84.1	100.2	135.6	141.6
Italy	\$m	0.8	0.7	0.6	0.9	10.3	26.3	20.2
Japan	\$m	43.0	43.9	45.3	42.2	41.5	43.8	45.6
Malaysia	\$m	22.5	29.7	29.6	27.8	37.4	42.2	49.5
Netherlands	\$m	69.6	67.7	72.0	70.4	62.8	65.5	54.3
New Zealand	\$m	78.5	73.9	68.9	77.0	77.6	77.9	83.1
Singapore	\$m	46.1	49.4	51.2	44.1	52.6	63.7	63.8
Sweden	\$m	38.8	32.3	31.1	24.2	21.2	18.9	22.3
United Kingdom	\$m	579.2	464.6	408.4	383.4	387.6	374.3	371.4
United States	\$m	627.3	524.2	493.0	482.7	472.5	462.6	476.8
Other	\$m	217.1	204.6	186.7	162.0	161.3	175.0	189.7
Total	\$m	2 188.4	2 009.4	1 910.3	1 866.6	1 847.4	1 982.7	2 183.9
Unit value	\$/L	2.77	2.68	2.59	2.60	2.58	2.66	3.00

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 205** Australian wine imports, by type and major source

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Type</b>								
Table wine	ML	54.72	57.36	71.71	72.01	71.08	77.33	74.98
Red	ML	9.38	11.14	13.98	15.88	15.89	17.00	19.12
White	ML	45.29	46.17	54.61	40.69	42.58	39.31	38.14
Other	ML	0.05	0.05	3.11	15.45	12.61	21.02	17.71
Sparkling wine	ML	9.47	9.89	11.17	13.19	13.22	13.66	15.53
Fortified wine <sup>a</sup>	ML	0.41	0.43	0.24	0.0	0.0	0.0	0.0
Other wine	ML	0.93	0.79	1.00	1.02	1.16	1.06	1.11
Total	ML	65.53	68.47	84.11	86.22	85.46	92.05	91.62
<b>Major source</b>								
Argentina	\$m	1.0	1.4	2.2	2.6	3.6	4.8	8.2
Austria	\$m	0.7	0.7	0.6	0.7	0.9	1.1	0.9
Chile	\$m	2.8	3.2	4.5	3.9	4.4	5.6	6.0
France	\$m	143.1	160.6	181.9	212.9	238.7	242.6	286.5
Germany	\$m	3.1	3.5	3.4	5.8	4.4	5.7	5.6
Greece	\$m	0.9	0.6	1.0	0.9	1.3	1.3	1.3
Italy	\$m	40.8	32.6	34.8	42.7	52.9	58.8	72.8
New Zealand	\$m	261.2	264.0	302.3	302.0	339.0	338.3	331.0
Portugal	\$m	2.6	2.7	2.5	3.4	3.5	3.2	3.5
Singapore	\$m	0.0	0.0	0.0	0.0	0.1	0.3	2.7
South Africa	\$m	6.0	4.4	3.2	5.4	2.9	1.8	1.2
Spain	\$m	8.1	8.3	8.8	12.2	16.3	17.6	21.2
United Kingdom	\$m	0.9	1.3	1.6	1.7	1.0	1.8	1.2
United States	\$m	1.4	1.4	2.4	3.4	2.8	4.0	5.0
Other	\$m	4.8	4.9	5.2	4.6	5.8	3.9	5.3
Total	\$m	477.5	489.6	554.4	602.3	677.7	690.7	752.3
Unit value	\$/L	7.29	7.15	6.59	6.99	7.93	7.50	8.21

<sup>a</sup> Commencing 1 January 2012, imports of fortified wine are included in Other wine.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 206** Australian domestic wine sales, by type <sup>a</sup>

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	ML	ML	ML	ML	ML	ML	ML
Table wine	383.2	395.9	392.3	388.7	384.8	387.5	na
Red	170.7	176.4	173.1	173.2	174.9	172.8	na
White	212.4	219.5	219.2	215.5	209.9	214.7	na
Sparkling wine	36.5	40.1	35.4	35.7	35.8	35.1	na
Bottle fermented	20.8	19.9	19.7	18.4	17.7	19.1	na
Bulk fermented	15.7	20.3	15.7	17.3	18.2	16.0	na
Carbonated wine	9.7	14.0	13.6	12.4	12.4	16.1	na
Total unfortified wine	429.4	450.0	441.3	436.8	433.0	438.7	na
Total fortified wine	16.3	16.3	17.5	15.7	14.7	14.1	na
Vermouth and other wine	4.1	4.4	5.0	4.7	5.2	5.0	na
Total domestic sales	449.8	470.8	463.7	457.3	452.9	457.7	na
Total wine sales <sup>b</sup>	513.3	536.3	532.2	541.4	539.2	543.2	na

<sup>a</sup> Covers wine produced by winemakers with sales of 250 000 litres or more in the previous financial year. <sup>b</sup> Includes imports.

Source: Australian Bureau of Statistics, *Shipments of Wine and Brandy in Australia by Australian Winemakers and Importers*, cat. no. 8504.0, Canberra (publication discontinued in 2014)

**TABLE 207** Retail price indexes for alcoholic beverages <sup>a</sup>

	<b>Beer</b>	<b>Wine</b>	<b>Spirits</b>	<b>Consumer price index</b>
1985–86	32.4	49.7	30.6	40.9
1986–87	35.7	53.6	33.8	44.7
1987–88	39.0	56.9	36.8	48.0
1988–89	39.7	61.4	40.0	51.5
1989–90	42.2	64.0	43.8	55.7
1990–91	45.6	64.6	48.4	58.6
1991–92	47.2	66.4	51.4	59.7
1992–93	48.6	67.6	52.2	60.3
1993–94	50.2	70.6	53.6	61.4
1994–95	51.7	74.2	55.4	63.4
1995–96	54.5	78.1	56.9	66.1
1996–97	56.0	79.5	59.0	67.0
1997–98	56.4	82.3	58.8	67.0
1998–99	57.3	83.4	59.8	67.8
1999–2000	58.5	83.6	60.7	69.4
2000–01	63.7	88.2	64.5	73.6
2001–02	65.4	90.7	66.5	75.7
2002–03	67.5	91.5	67.9	78.0
2003–04	71.8	92.8	70.0	79.9
2004–05	75.0	94.7	71.8	81.8
2005–06	78.5	95.5	73.8	84.4
2006–07	81.7	95.0	77.1	86.9
2007–08	86.1	96.3	81.3	89.8
2008–09	89.9	97.9	91.6	92.6
2009–10	94.9	98.6	95.5	94.8
2010–11	97.7	99.8	97.8	97.7
2011–12	100.0	100.0	100.0	100.0
2012–13	102.4	101.9	102.9	102.3
2013–14	104.6	104.8	106.7	105.0
2014–15	108.1	104.8	107.9	106.8
2015–16	112.0	102.9	109.6	108.3

<sup>a</sup> Weighted average for eight capital cities; Base 2011–12 = 100.

Source: Australian Bureau of Statistics, *Consumer Price Index, Australia*, cat. no. 6401.0, Canberra

TABLE 208 Summary of Australian statistics for wool

	Wool production						Average price	
	Sheep numbers ab	(greasy) c		Clean yield ac	Closing stocks		Eastern market indicator (clean) e	Auction (greasy)
		Shorn	Total		(at 30 June) d	kt		
million	kt	kt	%	'000 bales	kt			
1972-73	139.9	643.6	735.2	58.8	205.8	29.6	na	183.8
1973-74	145.0	644.3	700.9	60.3	176.5	26.0	361.2	181.2
1974-75	151.5	725.3	793.5	62.3	1 616.2	239.2	252.8	127.0
1975-76	148.5	681.4	754.3	62.5	1 326.7	197.4	271.8	143.3
1976-77	135.2	623.9	702.7	61.8	1 094.1	162.6	348.0	182.7
1977-78	131.3	605.5	677.0	62.3	896.6	137.7	354.7	187.1
1978-79	134.1	643.6	705.7	62.9	353.8	55.8	391.7	205.2
1979-80	135.9	642.4	708.5	62.9	208.5	33.2	462.0	243.6
1980-81	134.3	637.9	701.2	62.8	188.3	30.3	478.8	256.0
1981-82	137.9	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	135.3	614.8	671.2	63.2	1 233.9	207.0	540.3	293.8
1984-85	145.6	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	149.2	740.5	813.7	64.4	381.5	65.7	697.4	395.5
1987-88	152.4	771.4	842.7	64.9	9.2	1.5	1 117.4	632.7
1988-89	161.6	838.8	898.9	65.3	188.3	31.8	1 091.7	647.3
1989-90	170.3	959.8	1 030.9	65.8	3 064.7	542.0	969.2	555.3
1990-91	163.2	912.3	989.2	65.6	4 607.4	820.1	699.6	413.8
1991-92	148.2	800.6	874.3	65.1	4 068.8	724.3	592.6	358.8
1992-93	138.1	814.6	868.9	66.0	3 950.1	703.0	519.2	313.5
1993-94	132.6	775.3	827.9	65.8	3 667.0	653.0	547.0	330.1
1994-95	120.9	682.1	730.6	64.6	3 113.7	557.0	788.0	504.4
1995-96	121.1	654.9	698.9	65.7	3 226.4	573.6	658.1	386.7
1996-97	120.2	661.0	707.4	65.9	2 556.6	452.3	669.8	403.0
1997-98	117.5	633.1	682.8	65.6	2 173.1	383.7	733.2	444.3
1998-99	115.5	664.8	712.5	65.5	2 104.0	375.6	550.2	323.4
1999-2000	118.6	619.4	643.1	65.6	1 476.4	263.4	627.0	357.3
2000-01	110.9	601.7	656.9	65.8	796.5	141.4	764.0	512.0
2001-02	106.2	554.8	605.2	66.1	429.8	81.0	841.0	526.7
2002-03	99.3	499.2	547.3	64.2	123.9	105.0	1 049.0	679.8
2003-04	101.3	474.5	516.4	64.2	707.7	156.3	820.0	528.1
2004-05	101.1	475.4	529.4	63.9	888.3	157.0	766.6	492.1
2005-06	91.0	461.0	508.4	64.1	896.7	157.6	713.3	457.2
2006-07	85.7	430.0	482.1	62.9	na	na	864.1	543.5
2007-08	76.9	400.0	450.9	62.6	na	na	945.0	578.3
2008-09	72.7	362.0	411.7	62.8	na	na	793.8	488.2
2009-10	68.1	343.0	412.8	63.2	na	na	871.7	537.8
2010-11	73.1	344.9	405.7	64.9	na	na	1 131.5	712.8
2011-12	74.7	342.1	404.5	65.5	na	na	1 202.9	787.9
2012-13	75.5	352.0	426.6	65.1	na	na	1 034.6	673.5
2013-14	72.6	340.6	419.1	64.9	na	na	1 069.9	695.1
2014-15	70.9	346.2	427.4	64.9	na	na	1 101.5	718.3
2015-16	68.4	324.9	404.1	64.4	na	na	1 253.5	807.2

**a** Sheep and lambs. **b** Before 1982, includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$1 500 or more. Between 1982 and 1986, includes livestock holdings on establishments with an EVAO of \$2 500 or more and from 1987, an EVAO of \$5 000. **c** July-June years.

**d** Australian wool held 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. 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 1991-92 to 1993-94 can be calculated by dividing by 1.064. For the years between 1983-84 and 1990-91, divide by 1.114. For 1982-83 and earlier years, divide by 1.136). **na** Not available.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Historical Selected Agricultural Commodities, by State (1861-present), Australia*, cat. no. 7124.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Australian Wool Exchange, Melbourne; Australian Wool Innovation Wool Production Forecasting Committee; Australian Wool Testing Authority, *Key Test Data Summary*, Melbourne; National Council of Wool Selling Brokers of Australia, *Statistics*, Melbourne

**TABLE 209** Australian shorn wool production, by state

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia <sup>a</sup>
<b>Number of sheep shorn (million)</b>							
2005–06	37.5	24.5	5.3	13.4	27.1	3.5	106.5
2006–07	36.3	24.2	5.2	13.7	27.3	3.5	101.4
2007–08	31.2	20.6	4.6	12.3	22.9	3.0	90.2
2008–09	29.8	19.2	4.4	9.8	20.4	2.7	79.3
2009–10	28.6	19.2	4.1	9.8	18.4	2.7	76.2
2010–11	29.5	19.5	4.2	11.4	18.4	2.8	76.2
2011–12	29.7	19.9	3.7	11.2	15.7	2.9	76.4
2012–13	29.3	19.0	3.7	11.2	15.8	2.7	78.8
2013–14	28.4	17.8	2.9	10.7	15.6	2.6	78.0
2014–15	28.0	17.3	2.6	11.1	15.1	2.9	76.9
2015–16 <sup>s</sup>	27.0	16.4	2.0	10.9	14.6	2.6	73.4
<b>Average cut per head (kg greasy)</b>							
2005–06	4.2	3.8	4.2	4.4	4.6	3.8	4.3
2006–07	4.0	3.8	4.3	4.8	4.0	3.6	4.2
2007–08	4.5	4.1	4.2	4.9	4.1	3.4	4.4
2008–09	4.3	4.2	4.1	5.0	4.3	3.3	4.6
2009–10	4.4	4.0	4.1	4.9	4.2	3.6	4.5
2010–11	4.5	4.3	3.7	4.6	4.1	3.7	4.5
2011–12	4.2	4.0	3.8	4.8	4.1	3.6	4.5
2012–13	4.5	4.1	4.0	4.9	4.5	3.9	4.5
2013–14	4.4	4.0	3.7	4.9	4.6	3.9	4.4
2014–15	4.6	4.2	3.6	5.1	4.4	3.7	4.5
2015–16 <sup>s</sup>	4.6	4.0	3.5	5.1	4.5	3.5	4.4
<b>Shorn wool production (kt greasy)</b>							
2005–06	159.2	93.9	22.5	59.2	124.5	13.3	461.0
2006–07	146.7	93.2	22.0	66.0	110.0	12.6	430.0
2007–08	140.7	83.6	19.4	60.2	93.8	10.2	400.0
2008–09	127.7	79.7	18.4	49.0	86.8	9.0	362.0
2009–10	124.5	76.2	16.6	48.4	77.2	9.9	343.0
2010–11	131.8	83.3	15.4	52.6	74.9	10.4	344.9
2011–12	124.5	80.1	14.0	54.2	65.1	10.5	342.1
2012–13	131.1	78.1	14.9	54.9	71.0	10.5	352.0
2013–14	125.3	70.5	10.8	52.0	71.8	10.2	340.6
2014–15	130.0	72.6	9.1	56.5	67.2	10.8	346.2
2015–16 <sup>s</sup>	122.9	66.1	6.9	54.8	65.2	9.1	324.9
<b>Clean yield (%)</b>							
2005–06	63.6	65.7	61.3	61.2	63.9	70.2	64.1
2006–07	62.6	64.2	61.0	61.7	61.5	69.6	62.9
2007–08	62.9	64.1	61.4	60.9	60.6	68.4	62.6
2008–09	63.2	63.7	62.6	60.5	61.7	67.2	62.8
2009–10	63.6	64.4	63.5	61.4	61.0	68.7	63.2
2010–11	65.5	66.8	63.5	63.4	61.0	70.4	64.9
2011–12	66.5	67.2	64.2	64.0	61.1	71.7	65.5
2012–13	66.9	66.2	65.0	62.9	61.0	71.1	65.1
2013–14	65.9	65.9	64.3	63.0	61.9	71.1	64.9
2014–15	65.5	66.3	62.9	63.5	61.7	71.0	64.9
2015–16 <sup>s</sup>	65.1	65.2	63.2	62.5	62.6	70.2	64.4

<sup>a</sup> Includes the Northern Territory and the Australian Capital Territory. <sup>s</sup> ABARES estimate.

Sources: ABARES; Australian Bureau of Statistics, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Australian Wool Innovation Wool Production Forecasting Committee; Australian Wool Testing Authority, *Key Test Data Summary*, Melbourne



**TABLE 210** Australian sheep disposal and wool production

	Unit	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16 <sup>s</sup>
<b>Sheep disposal</b>								
Opening number <sup>a</sup>	million	72.7	68.1	73.1	74.7	75.5	72.6	70.9
Lambs marked	million	31.9	33.3	35.4	31.0	31.7	31.9	31.9
Lambs slaughtered <sup>b</sup>	million	19.5	17.9	18.9	21.1	21.9	22.9	23.1
Sheep slaughtered <sup>b</sup>	million	7.3	5.3	5.2	8.2	10.1	9.0	8.1
Live sheep exports	million	3.1	2.9	2.6	2.0	2.0	2.2	1.9
Closing number <sup>c</sup>	million	68.1	73.1	74.7	75.5	72.6	70.9	68.4
<b>Wool production</b>								
Number shorn	million	76.2	76.2	76.4	78.8	78.0	76.9	73.4
Cut per head	kg	4.5	4.5	4.5	4.5	4.4	4.5	4.4
Wool production (greasy)								
– shorn	kt	343.0	344.9	342.1	352.0	340.6	346.2	324.9
– on skins	kt	69.8	60.8	62.4	74.6	78.5	81.2	79.2
– total	kt	412.8	405.7	404.5	426.6	419.1	427.4	404.1
– clean yield	%	63.2	64.9	65.5	65.1	64.9	64.9	64.4

<sup>a</sup> Sheep and lambs at 1 July on enterprises with estimated value of agricultural operations (EVAO) of \$5 000 or more.

<sup>b</sup> For human consumption only. <sup>c</sup> Sheep and lambs at 30 June on enterprises with an EVAO of \$5 000 or more. <sup>s</sup> ABARES estimate.

Sources: ABARES; Australian Bureau of Statistics (ABS), *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Australian Wool Innovation Wool Production Forecasting Committee; Australian Wool Testing Authority, *Key Test Data Summary*, Melbourne

**TABLE 211** Average prices for clean wool in principal exporting countries

	<b>Australia a</b>	<b>New Zealand ab</b>	<b>South Africa ac</b>
	c/kg	c/kg	c/kg
1973–74	361	na	na
1974–75	253	na	na
1975–76	272	180	na
1976–77	348	na	na
1977–78	355	na	na
1978–79	392	na	na
1979–80	462	na	na
1980–81	479	280	na
1981–82	502	na	na
1982–83	516	na	na
1983–84	540	288	na
1984–85	586	315	na
1985–86	595	359	na
1986–87	697	452	na
1987–88	1 117	539	na
1988–89	1 092	529	na
1989–90	969	472	na
1990–91	700	324	na
1991–92	593	317	na
1992–93	519	332	495
1993–94	547	338	502
1994–95	788	474	762
1995–96	658	437	596
1996–97	670	396	633
1997–98	733	393	671
1998–99	550	345	472
1999–2000	627	353	489
2000–01	764	411	562
2001–02	841	418	629
2002–03	1 049	492	821
2003–04	820	415	631
2004–05	767	376	552
2005–06	713	328	521
2006–07	864	324	647
2007–08	945	324	949
2008–09	794	313	728
2009–10	872	284	898
2010–11	1 132	420	1 052
2011–12	1 203	463	1 240
2012–13	1 035	380	1 136
2013–14	1 070	475	1 193
2014–15	1 102	528	na
2015–16	1 253	na	na

**a** 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; Beef + Lamb New Zealand Economics Service, Wellington; Cape Wools, Port Elizabeth; International Wool Textile Organisation, *Market Information*, London; Reserve Bank of Australia

**TABLE 212** Average world prices for synthetic fibres

	United States polyester price a USc/lb	Taiwan polyester price bc USc/lb	Taiwan acrylic price bd USc/lb
1981–82	82	na	75
1982–83	73	na	77
1983–84	78	na	79
1984–85	72	na	80
1985–86	64	na	82
1986–87	62	na	83
1987–88	70	55	83
1988–89	79	75	77
1989–90	88	62	73
1990–91	77	51	71
1991–92	73	47	77
1992–93	73	47	75
1993–94	72	55	68
1994–95	82	77	93
1995–96	88	72	88
1996–97	72	57	78
1997–98	69	44	70
1998–99	53	35	54
1999–2000	54	43	57
2000–01	60	41	59
2001–02	60	38	54
2002–03	62	42	na
2003–04	60	45	na
2004–05	66	51	na
2005–06	67	55	na
2006–07	73	59	na
2007–08	74	72	na
2008–09	83	62	na
2009–10	86	63	na
2010–11	98	85	na
2011–12	121	84	na
2012–13	119	77	na
2013–14	114	66	na
2014–15	100	59	na
2015–16	88	na	na

**a** Prior to 2008–09, reported average market price for 1.5 denier polyester staple for cotton blending, landed group B mill points fob producing plants. From 2008–09 price for polyester reported by Cotlook Ltd. Simple averages of weekly prices. **b** Simple averages of monthly prices. **c** Taiwan staple, 1.5 denier. **d** Taiwan staple, 3 denier. **na** Not available.

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

**TABLE 213** Australian wool exports, by destination, recorded trade basis <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Volume (kt greasy equivalent)</b>							
China	331	325	306	341	324	352	316
<b>European Union <sup>b</sup></b>							
Czech Republic	11	15	13	14	15	17	15
Germany	1	1	2	1	1	2	2
Italy	11	21	16	15	15	15	15
United Kingdom	2	2	2	2	2	2	2
Other	1	1	1	1	1	2	2
Total	26	40	34	34	35	36	35
India	29	29	24	22	25	24	25
Japan	3	5	4	4	2	3	3
Korea, Rep. of	9	7	7	8	10	12	16
Malaysia	3	4	5	5	7	8	5
Taiwan	7	9	7	4	3	3	3
Thailand	5	6	1	1	3	4	2
Turkey	2	3	3	3	2	2	1
United States	2	2	2	2	1	1	1
Other	14	18	16	19	23	21	15
Total	428	444	405	437	428	459	417
<b>Value (\$m)</b>							
China	1 779	2 235	2 319	2 200	2 109	2 354	2 417
<b>European Union <sup>b</sup></b>							
Czech Republic	57	87	91	89	104	122	120
Germany	4	7	12	10	9	12	17
Italy	81	178	179	139	151	144	160
United Kingdom	9	9	16	10	15	11	12
Other	5	7	5	6	6	8	10
Total	155	287	303	254	285	298	319
India	155	209	197	155	188	184	216
Japan	17	33	39	30	12	16	22
Korea, Rep. of	41	36	43	44	61	81	128
Malaysia	13	24	33	32	59	65	40
Taiwan	41	63	62	29	21	25	23
Thailand	24	43	11	8	28	31	20
Turkey	10	15	24	12	11	10	8
United States	12	14	11	9	7	9	12
Other	67	110	114	128	157	143	117
Total	2 302	3 047	3 124	2 869	2 879	3 152	3 281

<sup>a</sup> Includes skins and hides. <sup>b</sup> Regarded as 28 countries.

Source: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra

**TABLE 214** Australian wool exports, by type

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
<b>Volume (kt greasy equivalent)</b>							
Greasy	308.2	335.0	301.4	316.4	295.3	324.7	296.1
Semi-processed	49.4	43.9	36.7	34.4	35.2	41.4	34.8
Scoured	26.4	21.4	17.3	16.5	16.0	19.9	9.8
Carbonised	17.4	19.2	18.8	17.9	19.1	21.4	24.9
Tops and sliver	4.7	3.0	0.4	0.0	0.1	0.0	0.0
Noils and waste	0.8	0.4	0.1	0.0	0.1	0.1	0.0
Skins	70.6	64.6	67.3	86.4	97.1	92.5	86.0
Total	428.2	443.5	405.4	437.2	427.7	458.6	416.8
<b>Value (\$m)</b>							
Greasy	1 771.9	2 369.9	2 449.0	2 260.9	2 214.0	2 494.9	2 587.8
Semi-processed	238.3	250.7	242.0	209.4	238.3	282.2	281.1
Scoured	132.6	137.4	133.0	115.1	121.3	140.1	80.9
Carbonised	79.5	97.3	107.5	94.0	116.5	142.0	200.1
Tops and sliver	23.4	15.0	1.3	0.2	0.4	0.2	0.1
Noils and waste	1.7	0.9	0.0	0.0	0.1	0.1	0.0
Skins	291.5	426.4	432.7	398.3	426.4	375.0	412.0
Total	2 301.7	3 047.0	3 123.7	2 868.6	2 878.7	3 152.1	3 280.9

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

**TABLE 215** World wool production, by country and type

	2008–09	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15
	kt	kt	kt	kt	kt	kt	kt
<b>Greasy</b>							
<b>Country or region</b>							
Afghanistan	15	15	15	18	16	15	na
Algeria	23	26	26	27	27	28	na
Argentina	62	62	54	44	42	45	44
Australia	412	413	406	404	427	419	427
Chile	11	11	8	8	7	7	na
China <b>a</b>	368	387	393	400	411	420	na
Ethiopia	7	14	8	8	8	8	na
France	9	5	14	15	14	14	na
Greece	7	8	8	11	10	10	na
India	43	43	43	46	47	48	na
Iran	74	60	68	62	62	62	na
Ireland	14	14	14	15	15	15	na
Mongolia	21	17	19	22	24	28	na
Morocco	53	55	55	56	56	56	na
New Zealand	158	186	173	165	170	158	155
Pakistan	41	42	43	43	44	44	na
Peru	10	10	9	8	8	8	na
Romania	18	18	18	19	19	18	na
Russian Federation	178	181	200	204	207	210	na
Azerbaijan	15	16	16	16	17	17	na
Kazakhstan	36	38	39	40	38	37	na
Kyrgyzstan	11	11	11	11	12	12	na
Russia	55	53	53	55	55	56	na
Turkmenistan	21	38	38	39	38	38	na
Uzbekistan	25	27	29	28	32	34	na
Other CIS	15	16	15	15	16	16	na
South Africa <b>b</b>	48	48	41	44	48	48	51
Spain	28	28	28	23	23	23	na
Sudan	53	55	55	56	56	56	na
Syria	34	38	21	22	20	20	na
Turkey	40	30	47	51	51	52	na
United Kingdom	33	32	32	34	34	32	na
United States	16	16	15	14	14	14	na
Uruguay	39	40	34	33	34	34	33
Other producers	146	171	167	210	212	195	na
World	1 967	1 992	2 039	2 065	2 114	2 114	na
<b>Clean</b>							
<b>Wool type</b>							
Fine wool ( $\leq 24.5\mu\text{m}$ )	408	396	390	401	415	421	na
Medium wool ( $24.6\text{--}32.5\mu\text{m}$ )	235	254	231	250	259	261	na
Coarse wool ( $>32.5\mu\text{m}$ )	461	477	497	483	489	481	na
World	1 110	1 125	1 128	1 135	1 163	1 163	1 158 <b>s</b>

**a** Includes Manchuria, Sinkiang and Tibet. **b** Excluding Lesotho and Namibia. **CIS** Commonwealth of Independent States. **s** ABARES estimate. **na** Not available.

Sources: ABARES; Beef + 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

TABLE 216 Volume of wool exports, by main producing countries a

	New				South		Total
	Australia	Zealand	Argentina b	Uruguay c	Africa		
	kt	kt	kt	kt	kt	kt	kt
1981–82	671	345	135	77	87	1 315	
1982–83	653	378	108	91	78	1 308	
1983–84	674	360	127	91	103	1 355	
1984–85	750	374	115	62	100	1 401	
1985–86	847	337	115	87	84	1 470	
1986–87	935	364	138	101	81	1 619	
1987–88	925	331	116	91	80	1 543	
1988–89	878	329	85	80	83	1 454	
1989–90	758	257	104	103	72	1 294	
1990–91	720	253	94	107	86	1 260	
1991–92	931	301	81	109	89	1 511	
1992–93	868	239	81	92	66	1 346	
1993–94	912	299	109	115	66	1 501	
1994–95	815	295	90	84	63	1 347	
1995–96	771	246	77	82	29	1 205	
1996–97	859	250	83	17	19	1 228	
1997–98	799	242	25	9	24	1 099	
1998–99	682	217	24	10	25	958	
1999–2000	800	226	63	57	21	1 166	
2000–01	848	220	21	12	17	1 119	
2001–02	700	199	22	10	21	952	
2002–03	536	183	24	10	23	776	
2003–04	505	186	18	9	25	742	
2004–05	555	179	80	38	29	881	
2005–06	552	199	12	19	29	811	
2006–07	576	192	40	25	33	865	
2007–08	483	184	40	25	35	767	
2008–09	445	124	28	35	39	672	
2009–10	428	132	36	47	44	687	
2010–11	444	124	34	44	37	682	
2011–12	405	117	23	36	54	635	
2012–13	437	133	24	32	38	664	
2013–14	428	127	25	42	45	667	
2014–15	459	130	26	40	46	701	
2015–16	417	112	24	33	46	633	

a Greasy equivalent. July to June year, unless otherwise stated. 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: Australian Bureau of Statistics, *International Trade, Australia*, cat. no. 5465.0, Canberra; Banco Central del Uruguay; Cape Wools SA, South Africa; Commonwealth Secretariat, *Wool Quarterly*, London; Federacion 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 + Lamb New Zealand, Wellington; Secretario Uruguayo de la Lana based on Dirección Nacional de Aduanas data; South African Wool Board, *Statistical Review of the Wool Season*, South Africa; Woolmark, Parkville

**TABLE 217** Market prices for Australian wool, by category <sup>a</sup>

	2009–10	2010–11	2011–12	2012–13	2013–14	2014–15	2015–16
	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg
19 micron	1 047	1 401	1 447	1 214	1 217	1 242	1 388
20 micron	924	1 164	1 353	1 157	1 185	1 203	1 339
21 micron	902	1 119	1 321	1 146	1 179	1 194	1 327
22 micron	879	1 081	1 267	1 128	1 168	1 176	1 315
23 micron	855	1 034	1 201	1 113	1 156	1 155	1 305
24 micron	801	925	1 092	1 010	1 086	1 059	1 235
25 micron	687	792	949	907	872	964	1 103
30 micron	401	500	590	562	627	724	794
Eastern market indicator	872	1 132	1 203	1 035	1 070	1 102	1 253
Western market indicator	863	1 092	1 210	1 051	1 080	1 115	1 306

<sup>a</sup> Clean basis. Micron prices are averages of the Australian Wool Exchange northern and southern region indicators from 1998–99.

Source: Australian Wool Exchange, *Weekly Wool Market Report*, Melbourne



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