



**rural** commodities



**2006**

# 43 Summary of Australian statistics for coarse grains <sup>a</sup>

	Area '000 ha	Yield t/ha	Production		Exports <sup>b</sup>	
			Volume kt	Value \$m	Volume kt	Value \$m
1960-61	2 795	1.16	3 244	130	1 114	42
1961-62	2 450	0.97	2 382	105	1 092	46
1962-63	2 396	1.09	2 615	114	600	26
1963-64	2 423	1.08	2 608	117	706	31
1964-65	2 476	1.11	2 760	125	735	34
1965-66	2 710	0.87	2 371	120	478	24
1966-67	3 019	1.28	3 850	180	872	41
1967-68	2 693	0.75	2 023	97	330	16
1968-69	3 185	1.19	3 799	152	853	34
1969-70	3 334	1.10	3 684	134	905	33
1970-71	4 191	1.31	5 474	233	2 218	98
1971-72	4 492	1.29	5 782	223	3 177	135
1972-73	3 891	0.93	3 620	190	1 663	79
1973-74	3 664	1.27	4 671	347	1 742	136
1974-75	3 285	1.35	4 424	404	2 884	280
1975-76	3 868	1.44	5 575	500	3 148	306
1976-77	3 901	1.29	5 019	464	3 327	332
1977-78	4 318	0.98	4 218	347	1 939	177
1978-79	4 663	1.51	7 063	555	2 850	245
1979-80	4 199	1.48	6 215	667	4 467	512
1980-81	4 284	1.22	5 209	701	2 764	430
1981-82	4 847	1.38	6 687	799	3 459	519
1982-83	4 527	0.88	3 966	562	1 808	294
1983-84	5 794	1.64	9 497	1 239	4 548	738
1984-85	5 523	1.59	8 769	1 156	6 466	981
1985-86	5 306	1.53	8 113	974	5 838	826
1986-87	4 436	1.58	6 989	816	3 692	476
1987-88	4 576	1.57	7 162	906	2 506	377
1988-89	4 292	1.57	6 734	1 041	2 466	448
1989-90	3 919	1.79	7 005	1 086	3 336	667
1990-91	4 127	1.64	6 766	870	3 310	576
1991-92	4 624	1.75	8 109	1 151	2 728	487
1992-93	4 690	1.78	8 361	1 176	3 324	611
1993-94	5 041	1.96	9 864	1 241	4 438	701
1994-95	4 258	1.30	5 534	1 125	2 642	452
1995-96	5 294	1.90	10 070	2 050	4 099	1 025
1996-97	5 376	2.02	10 846	1 978	4 814	1 103
1997-98	5 388	1.88	10 102	1 601	3 398	809
1998-99	5 113	2.10	10 721	1 419	5 255	967
1999-00	4 244	2.22	9 435	1 401	4 574	943
2000-01	5 325	2.05	10 914	1 952	4 987	1 261
2001-02	5 806	2.25	13 049	2 583	5 751	1 438
2002-03	5 900	1.17	6 924	1 650	3 765	1 051
2003-04	6 815	2.29	15 630	2 562	5 782	1 373
2004-05	6 755	1.79	12 062	1 849	7 187	1 412
2005-06	6 910	2.08	14 360	2 721	5 683	1 193

<sup>a</sup> Barley, oats, sorghum and maize. Includes triticale from 1979-80. <sup>b</sup> Including grains and the grain equivalent of malt exported. Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Crops and Pastures, Australia*, cat. no. 7321.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities produced, Australia*, cat. no. 7503.0, Canberra; ABARE.

## 44 Australian coarse grains area, yield and production, by state <sup>a</sup>

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia <sup>b</sup>
<b>Barley</b>								
<b>Area</b>								
1999-00	'000 ha	476	585	130	550	845	9	2 596
2000-01	'000 ha	615	693	112	983	1 041	10	3 454
2001-02	'000 ha	665	700	96	1 088	1 151	7	3 707
2002-03	'000 ha	636	778	108	1 140	1 194	8	3 864
2003-04	'000 ha	951	872	151	1 278	1 216	9	4 477
2004-05	'000 ha	1 023	924	97	1 313	1 280	8	4 645
2005-06	'000 ha	1 015	937	156	1 303	1 317	11	4 739
<b>Yield</b>								
1999-00	t/ha	2.18	2.03	1.95	2.03	1.67	2.44	1.94
2000-01	t/ha	2.04	2.41	1.03	1.38	2.23	2.60	1.95
2001-02	t/ha	2.08	2.37	1.78	2.08	2.42	3.71	2.23
2002-03	t/ha	0.67	0.61	1.37	1.18	1.21	2.63	1.00
2003-04	t/ha	2.06	2.61	1.74	2.48	2.21	3.11	2.32
2004-05	t/ha	1.72	1.41	1.84	1.51	1.94	3.50	1.67
2005-06	t/ha	2.21	2.20	1.66	1.99	2.04	2.09	2.08
<b>Production</b>								
1999-00	kt	1 040	1 189	254	1 117	1 409	22	5 032
2000-01	kt	1 253	1 670	115	1 358	2 320	26	6 743
2001-02	kt	1 382	1 656	171	2 263	2 782	26	8 280
2002-03	kt	428	478	148	1 349	1 440	21	3 865
2003-04	kt	1 955	2 275	263	3 170	2 691	28	10 382
2004-05	kt	1 761	1 305	178	1 979	2 489	28	7 740
2005-06	kt	2 245	2 059	259	2 598	2 685	23	9 869
<b>Oats</b>								
<b>Area</b>								
1999-00	'000 ha	160	138	10	199	70	6	584
2000-01	'000 ha	168	140	13	248	75	7	650
2001-02	'000 ha	231	142	11	287	108	6	784
2002-03	'000 ha	308	188	9	314	88	4	911
2003-04	'000 ha	449	194	9	344	89	4	1 089
2004-05	'000 ha	400	150	21	243	76	4	894
2005-06	'000 ha	348	155	9	255	85	7	859
<b>Yield</b>								
1999-00	t/ha	1.78	2.14	1.20	2.21	1.11	1.67	1.91
2000-01	t/ha	1.46	2.51	0.46	1.28	1.56	1.86	1.62
2001-02	t/ha	1.39	2.35	0.64	1.94	1.88	2.00	1.83
2002-03	t/ha	0.48	1.33	0.44	1.52	0.80	1.75	1.05
2003-04	t/ha	1.36	2.61	0.56	2.19	1.54	1.75	1.85
2004-05	t/ha	1.07	1.89	0.48	1.89	1.18	2.25	1.43
2005-06	t/ha	1.41	1.68	0.44	2.04	1.52	1.43	1.65
<b>Production</b>								
1999-00	kt	284	296	12	439	78	10	1 118
2000-01	kt	246	351	6	317	117	13	1 050
2001-02	kt	320	334	7	557	203	12	1 434
2002-03	kt	149	250	4	477	70	7	957
2003-04	kt	610	507	5	752	137	7	2 018
2004-05	kt	429	284	10	460	90	9	1 282
2005-06	kt	492	260	4	521	129	10	1 416

Continued

## 44

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia <sup>b</sup>
<b>Sorghum</b>								
<b>Area</b>								
1999-00	'000 ha	200	1	419	2	0	0	622
2000-01	'000 ha	258	2	494	2	0	0	758
2001-02	'000 ha	258	1	562	0	0	0	823
2002-03	'000 ha	255	0	405	0	0	0	667
2003-04	'000 ha	212	2	519	1	0	0	734
2004-05	'000 ha	211	0	544	0	0	0	755
2005-06	'000 ha	300	2	585	2	0	0	889
<b>Yield</b>								
1999-00	t/ha	4.02	3.00	3.12	0.75	0.00	0.00	3.40
2000-01	t/ha	2.98	2.00	2.34	2.00	0.00	0.00	2.55
2001-02	t/ha	2.97	4.00	2.22	0.00	0.00	0.00	2.46
2002-03	t/ha	2.08	0.00	2.30	0.00	0.00	0.00	2.20
2003-04	t/ha	3.34	1.00	2.50	1.00	0.00	0.00	2.74
2004-05	t/ha	4.01	0.00	2.14	0.00	0.00	0.00	2.66
2005-06	t/ha	2.80	2.25	2.00	2.00	0.00	0.00	2.27
<b>Production</b>								
1999-00	kt	804	2	1 308	2	0	0	2 116
2000-01	kt	770	4	1 156	4	0	0	1 935
2001-02	kt	767	4	1 247	0	0	0	2 021
2002-03	kt	531	0	930	0	0	0	1 465
2003-04	kt	709	2	1 296	1	0	0	2 009
2004-05	kt	847	0	1 164	0	0	0	2 011
2005-06	kt	840	5	1 170	4	0	0	2 019
<b>Maize</b>								
<b>Area</b>								
1999-00	'000 ha	22	1	59	0	0	0	82
2000-01	'000 ha	26	1	47	0	0	0	74
2001-02	'000 ha	28	1	53	0	0	0	83
2002-03	'000 ha	21	1	28	0	0	0	50
2003-04	'000 ha	22	1	48	0	0	0	70
2004-05	'000 ha	25	1	46	0	0	0	72
2005-06	'000 ha	26	1	47	2	0	0	76
<b>Yield</b>								
1999-00	t/ha	8.07	7.00	3.82	0.00	0.00	0.00	4.95
2000-01	t/ha	6.85	8.00	3.38	0.00	0.00	0.00	4.66
2001-02	t/ha	8.79	9.00	3.74	0.00	0.00	0.00	5.47
2002-03	t/ha	7.76	7.50	4.68	0.00	0.00	0.00	6.20
2003-04	t/ha	8.09	7.00	4.40	0.00	0.00	0.00	5.64
2004-05	t/ha	9.68	2.00	3.76	0.00	0.00	0.00	5.81
2005-06	t/ha	7.18	7.00	3.90	3.00	0.00	0.00	5.03
<b>Production</b>								
1999-00	kt	178	4	224	0	0	0	406
2000-01	kt	178	8	159	0	0	0	345
2001-02	kt	246	9	198	0	0	0	454
2002-03	kt	163	8	131	0	0	0	310
2003-04	kt	178	7	211	0	0	0	395
2004-05	kt	242	2	173	1	0	0	418
2005-06	kt	184	7	183	6	0	0	380

*Continued*

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia <sup>b</sup>
<b>Triticale</b>								
<b>Area</b>								
1999-00	'000 ha	129	114	1	25	88	2	361
2000-01	'000 ha	126	127	1	28	105	2	389
2001-02	'000 ha	138	131	1	29	109	2	409
2002-03	'000 ha	129	136	1	29	109	4	408
2003-04	'000 ha	135	141	3	42	122	2	445
2004-05	'000 ha	126	120	1	42	93	2	389
2005-06	'000 ha	113	112	1	26	92	2	347
<b>Yield</b>								
1999-00	t/ha	2.89	2.06	5.00	1.40	1.24	3.00	2.12
2000-01	t/ha	2.61	2.49	1.00	1.07	1.50	4.00	2.16
2001-02	t/ha	2.42	2.27	0.00	1.38	1.64	5.00	2.10
2002-03	t/ha	0.94	0.77	0.00	0.79	0.62	2.50	0.80
2003-04	t/ha	2.18	2.09	0.67	1.74	1.25	4.00	1.86
2004-05	t/ha	2.25	1.67	1.40	1.12	0.78	3.00	1.57
2005-06	t/ha	2.53	1.96	1.60	1.25	1.39	4.11	1.95
<b>Production</b>								
1999-00	kt	373	235	5	35	109	6	764
2000-01	kt	329	316	1	30	157	8	841
2001-02	kt	334	297	0	40	179	10	860
2002-03	kt	121	105	0	23	68	10	327
2003-04	kt	294	295	2	73	153	8	826
2004-05	kt	284	200	1	47	73	6	611
2005-06	kt	286	219	2	33	128	8	676
<b>Total coarse grains</b>								
<b>Area</b>								
1999-00	'000 ha	987	838	619	776	1 003	17	4 244
2000-01	'000 ha	1 193	963	667	1 261	1 221	19	5 325
2001-02	'000 ha	1 320	975	723	1 404	1 368	15	5 806
2002-03	'000 ha	1 349	1 103	551	1 483	1 391	16	5 900
2003-04	'000 ha	1 769	1 210	730	1 665	1 427	15	6 815
2004-05	'000 ha	1 785	1 195	709	1 598	1 449	14	6 755
2005-06	'000 ha	1 802	1 207	798	1 588	1 494	20	6 910
<b>Yield</b>								
1999-00	t/ha	2.71	2.06	2.91	2.05	1.59	2.23	2.22
2000-01	t/ha	2.33	2.44	2.15	1.36	2.12	2.47	2.05
2001-02	t/ha	2.31	2.36	2.24	2.04	2.31	3.20	2.25
2002-03	t/ha	1.03	0.77	2.20	1.25	1.13	2.37	1.17
2003-04	t/ha	2.12	2.55	2.43	2.40	2.09	2.87	2.29
2004-05	t/ha	2.00	1.50	2.15	1.56	1.83	3.07	1.79
2005-06	t/ha	2.25	2.11	2.03	1.99	1.97	2.07	2.08
<b>Production</b>								
1999-00	kt	2 679	1 725	1 803	1 593	1 596	38	9 435
2000-01	kt	2 776	2 349	1 437	1 709	2 594	47	10 914
2001-02	kt	3 049	2 300	1 623	2 860	3 164	48	13 049
2002-03	kt	1 392	848	1 213	1 849	1 578	38	6 924
2003-04	kt	3 746	3 086	1 777	3 996	2 981	43	15 630
2004-05	kt	3 563	1 791	1 526	2 487	2 652	43	12 062
2005-06	kt	4 047	2 549	1 618	3 162	2 942	41	14 360

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

Sources: ABARE, *Australian Crop Report*, Canberra; ABS, *Selected Agricultural Commodities, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra.

# 45 Summary of Australian statistics for barley

	Area '000 ha	Yield t/ha	Production		Exports <sup>a</sup>	
			Volume kt	Value \$m	Volume kt	Value \$m
1960-61	1 145	1.35	1 542	62	769	29
1961-62	965	0.98	941	44	713	30
1962-63	821	1.09	898	43	234	11
1963-64	815	1.21	984	47	403	18
1964-65	835	1.34	1 119	56	369	18
1965-66	930	1.02	949	48	227	12
1966-67	1 011	1.38	1 397	74	425	22
1967-68	1 057	0.79	835	42	129	7
1968-69	1 341	1.23	1 646	71	451	18
1969-70	1 521	1.12	1 698	66	631	23
1970-71	2 000	1.18	2 351	111	1 123	51
1971-72	2 535	1.21	3 065	124	1 817	74
1972-73	2 140	0.81	1 727	91	804	39
1973-74	1 894	1.27	2 397	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	2 803	0.85	2 383	205	1 325	122
1978-79	2 785	1.44	4 006	339	2 028	174
1979-80	2 481	1.49	3 703	450	3 406	407
1980-81	2 451	1.09	2 682	381	2 076	341
1981-82	2 685	1.29	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	3 284	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	455	1 863	293
1988-89	2 190	1.48	3 242	558	1 910	355
1989-90	2 310	1.75	4 044	709	2 917	603
1990-91	2 555	1.61	4 108	568	2 914	512
1991-92	2 744	1.65	4 530	693	2 393	435
1992-93	2 947	1.83	5 397	802	2 825	532
1993-94	3 423	1.95	6 668	845	4 020	631
1994-95	2 470	1.18	2 913	622	2 429	413
1995-96	3 111	1.87	5 823	1 276	3 451	876
1996-97	3 367	1.99	6 696	1 308	4 370	999
1997-98	3 521	1.84	6 482	1 032	2 982	726
1998-99	3 167	1.89	5 987	836	4 714	877
1999-00	2 596	1.94	5 032	865	3 832	822
2000-01	3 454	1.95	6 743	1 344	4 142	1 101
2001-02	3 707	2.23	8 280	1 725	4 989	1 278
2002-03	3 864	1.00	3 865	984	3 462	954
2003-04	4 477	2.32	10 382	1 750	5 308	1 239
2004-05	4 645	1.67	7 740	1 233	6 499	1 274
2005-06	4 739	2.08	9 869	1 905	5 315	1 108

<sup>a</sup> Including grains and the grain equivalent of malt exported.

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

## 46 Summary of Australian statistics for oats

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1960-61	1 472	0.94	1 381	51	345	14
1961-62	1 523	0.66	1 000	40	346	15
1962-63	1 332	0.94	1 248	51	322	14
1963-64	1 373	0.90	1 238	50	303	13
1964-65	1 415	0.90	1 271	51	366	16
1965-66	1 525	0.72	1 102	53	251	12
1966-67	1 723	1.13	1 943	83	402	18
1967-68	1 368	0.53	719	34	182	8
1968-69	1 567	1.09	1 710	59	333	13
1969-70	1 374	0.91	1 247	33	219	8
1970-71	1 484	1.09	1 614	54	556	24
1971-72	1 237	1.03	1 275	37	329	12
1972-73	995	0.74	736	32	115	5
1973-74	1 182	0.94	1 107	67	184	14
1974-75	897	0.98	874	60	267	20
1975-76	988	1.16	1 141	78	359	33
1976-77	995	1.08	1 072	74	364	33
1977-78	1 076	0.92	991	69	218	20
1978-79	1 359	1.30	1 763	100	290	25
1979-80	1 123	1.26	1 411	99	472	44
1980-81	1 093	1.03	1 128	140	196	28
1981-82	1 388	1.16	1 617	156	153	24
1982-83	1 212	0.70	848	116	83	13
1983-84	1 772	1.30	2 296	204	289	41
1984-85	1 041	1.31	1 367	130	391	49
1985-86	1 068	1.24	1 330	138	185	25
1986-87	1 140	1.39	1 584	165	192	27
1987-88	1 275	1.33	1 698	191	215	31
1988-89	1 309	1.40	1 838	233	253	46
1989-90	1 089	1.51	1 640	178	231	35
1990-91	1 043	1.47	1 530	147	214	34
1991-92	1 160	1.46	1 690	182	141	21
1992-93	1 150	1.68	1 937	209	266	40
1993-94	947	1.74	1 647	148	223	33
1994-95	897	1.03	924	166	96	18
1995-96	1 136	1.65	1 875	289	233	50
1996-97	1 052	1.57	1 653	227	124	26
1997-98	937	1.74	1 634	223	155	30
1998-99	909	1.98	1 798	157	257	38
1999-00	584	1.91	1 118	118	160	27
2000-01	650	1.62	1 050	138	97	22
2001-02	784	1.83	1 434	251	130	37
2002-03	911	1.05	957	210	177	66
2003-04	1 089	1.85	2 018	279	172	66
2004-05	894	1.43	1 282	172	165	36
2005-06	859	1.65	1 416	244	190	47

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

## 47 Summary of Australian statistics for sorghum

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1960-61	103	1.58	163	6	0	0
1961-62	147	1.74	255	10	33	1
1962-63	158	1.76	279	10	44	2
1963-64	148	1.45	215	9	0	0
1964-65	140	1.39	195	8	0	0
1965-66	175	1.11	195	9	0	0
1966-67	203	1.57	319	13	46	2
1967-68	187	1.54	288	12	19	1
1968-69	236	1.25	294	14	69	3
1969-70	359	1.53	547	24	54	2
1970-71	552	2.35	1 298	57	517	24
1971-72	638	1.92	1 228	51	992	48
1972-73	697	1.46	1 018	59	736	35
1973-74	540	1.97	1 061	80	748	54
1974-75	511	1.76	901	76	856	73
1975-76	504	2.23	1 123	96	815	72
1976-77	532	1.80	956	80	829	76
1977-78	394	1.81	714	59	385	36
1978-79	469	2.40	1 125	97	516	46
1979-80	519	1.78	922	96	580	60
1980-81	658	1.83	1 203	152	463	58
1981-82	648	2.03	1 316	140	1 271	153
1982-83	708	1.35	958	124	445	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	203	415	51
1988-89	625	1.99	1 244	188	290	43
1989-90	376	2.50	939	136	158	23
1990-91	376	1.99	747	99	166	25
1991-92	567	2.54	1 443	204	183	29
1992-93	426	1.28	546	87	211	34
1993-94	498	2.17	1 082	173	173	32
1994-95	687	1.85	1 272	242	111	19
1995-96	770	2.07	1 592	320	411	97
1996-97	544	2.62	1 425	257	299	70
1997-98	507	2.13	1 081	183	251	50
1998-99	587	3.22	1 891	282	265	46
1999-00	622	3.40	2 116	260	539	81
2000-01	758	2.55	1 935	279	691	122
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	889	2.27	2 019	360	173	33

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



## 48 Summary of Australian statistics for maize

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume	Value	Volume	Value
			kt	\$m	kt	\$m
1960-61	75	2.12	159	11	0	0
1961-62	85	2.18	186	11	0	0
1962-63	85	2.23	189	10	1	0
1963-64	87	1.96	171	10	0	0
1964-65	86	2.03	175	10	0	0
1965-66	80	1.57	125	10	0	0
1966-67	82	2.33	190	10	0	0
1967-68	81	2.23	181	9	0	0
1968-69	67	2.24	149	9	0	0
1969-70	80	2.41	192	11	1	0
1970-71	86	2.47	212	10	22	1
1971-72	78	2.74	214	10	38	2
1972-73	59	2.34	139	9	9	0
1973-74	46	2.32	106	9	3	0
1974-75	51	2.60	134	12	1	0
1975-76	47	2.82	132	12	11	1
1976-77	53	2.72	144	13	33	3
1977-78	45	2.86	130	12	11	2
1978-79	50	3.37	168	16	17	1
1979-80	54	2.79	151	20	8	1
1980-81	56	3.05	172	26	29	3
1981-82	61	3.49	212	30	14	2
1982-83	64	2.18	138	23	18	2
1983-84	67	3.53	237	36	19	3
1984-85	102	2.84	288	46	140	25
1985-86	83	3.33	277	40	81	13
1986-87	57	3.62	205	31	46	7
1987-88	54	3.85	207	30	12	2
1988-89	51	4.23	216	34	13	4
1989-90	52	4.21	218	39	30	5
1990-91	48	3.99	193	32	16	5
1991-92	52	5.20	268	48	12	3
1992-93	45	4.43	198	42	21	5
1993-94	44	4.64	204	41	22	6
1994-95	50	4.83	242	59	6	3
1995-96	56	5.59	311	69	4	2
1996-97	67	5.94	398	80	22	8
1997-98	57	4.77	272	55	11	3
1998-99	64	5.28	338	61	19	6
1999-00	82	4.95	406	62	43	12
2000-01	74	4.66	345	65	56	16
2001-02	83	5.47	454	90	46	14
2002-03	50	6.20	310	72	54	13
2003-04	70	5.64	395	88	13	6
2004-05	72	5.81	418	81	9	6
2005-06	76	5.03	380	88	5	6

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

## 49 Summary of Australian statistics for triticale

	Area '000 ha	Yield t/ha	Production		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1979-80	22	1.30	29	3	0	0
1980-81	26	0.90	24	3	0	0
1981-82	64	1.42	91	10	0	0
1982-83	92	0.89	82	11	0	0
1983-84	116	1.62	188	21	0	0
1984-85	140	1.36	190	24	0	0
1985-86	137	1.62	222	28	0	0
1986-87	148	1.57	233	26	0	0
1987-88	136	1.53	208	27	0	0
1988-89	116	1.68	195	28	0	0
1989-90	91	1.80	164	25	0	0
1990-91	104	1.81	189	24	0	0
1991-92	101	1.76	177	25	0	0
1992-93	122	2.32	282	37	0	0
1993-94	129	2.04	263	35	0	0
1994-95	153	1.19	182	35	0	0
1995-96	221	2.12	469	95	0	0
1996-97	346	1.95	674	107	1	0
1997-98	366	1.73	633	108	2	0
1998-99	386	1.83	707	85	0	0
1999-00	361	2.12	764	96	0	0
2000-01	389	2.16	841	126	0	0
2001-02	409	2.10	860	168	0	0
2002-03	408	0.80	327	84	0	0
2003-04	445	1.86	826	126	0	0
2004-05	389	1.57	611	93	0	0
2005-06	347	1.95	676	125	0	0

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

## 50 Volume of Australian exports of sorghum and oats, by destination

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Sorghum</b>								
Asia								
Chinese Taipei	7	7	5	8	2	9	40	26
Japan	231	469	602	491	1	221	386	86
Papua New Guinea	9	0	13	38	45	21	28	19
United Arab Emirates	0	1	1	1	2	1	2	1
Other	18	63	70	48	20	37	58	41
Total	265	539	691	586	70	289	513	173
(value, \$m)	46	81	122	109	17	61	96	33
<b>Oats</b>								
Asia								
Japan	11	11	19	9	8	8	8	6
Korea, Rep. of	2	4	3	1	1	1	2	2
Philippines	5	5	5	5	5	6	7	7
Libya	0	0	0	3	0	0	0	0
Malta	0	1	1	0	0	0	0	0
Middle East								
United Arab Emirates	1	3	2	2	2	4	2	2
Other <sup>a</sup>	237	137	68	111	161	153	147	174
Total	257	160	97	130	177	172	165	190
(value, \$m)	38	27	22	37	66	66	36	47

<sup>a</sup> No country detail provided due to confidentiality restrictions.

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

51 Australian coarse grains supply and disposal, by grain <sup>a</sup>

	Area '000 ha	Production kt	Exports <sup>b</sup> kt	Estimated domestic disposals	
				Feed and food kt	Seed <sup>c</sup> kt
<b>Barley <sup>d</sup></b>					
2000-01	3 454	6 743	4 567	2 158	167
2001-02	3 707	8 280	5 274	2 361	174
2002-03	3 864	3 865	2 608	1 815	201
2003-04	4 477	10 382	6 996	2 268	208
2004-05	4 645	7 740	4 862	2 472	213
2005-06	4 739	9 869	5 713	2 626	180
<b>Oats</b>					
2000-01	650	1 050	86	927	38
2001-02	784	1 434	190	1 200	44
2002-03	911	957	121	784	52
2003-04	1 089	2 018	210	1 766	43
2004-05	894	1 282	138	1 103	41
2005-06	859	1 416	195	1 199	38
<b>Sorghum</b>					
2000-01	758	1 935	501	1 429	4
2001-02	823	2 021	375	1 643	3
2002-03	667	1 465	64	1 397	4
2003-04	734	2 009	623	1 382	4
2004-05	755	2 011	259	1 748	4
2005-06	889	2 019	246	1 717	4
<b>Maize</b>					
2000-01	74	345	45	298	1
2001-02	83	454	63	440	1
2002-03	50	310	16	293	1
2003-04	70	395	10	384	1
2004-05	72	418	5	412	1
2005-06	76	380	8	373	1
<b>Triticale</b>					
2000-01	389	841	0	821	20
2001-02	409	860	0	840	20
2002-03	408	327	0	305	22
2003-04	445	826	0	807	19
2004-05	389	611	0	594	17
2005-06	347	676	0	660	16
<b>Total</b>					
2000-01	5 325	10 914	5 201	5 633	230
2001-02	5 806	13 049	5 903	6 483	242
2002-03	5 900	6 924	2 810	4 593	281
2003-04	6 815	15 630	7 844	6 607	275
2004-05	6 755	12 062	5 264	6 329	277
2005-06	6 910	14 360	6 123	6 574	240

<sup>a</sup> Crop years are November–October for barley, oats and triticale, and March–February for sorghum and maize. <sup>b</sup> Exports may include carryover from earlier harvests. <sup>c</sup> Estimated using the following seeding rates for grain crops: sorghum 5 kg/ha; barley 45 kg/ha; maize 15 kg/ha; oats 48 kg/ha; triticale 50 kg/ha. <sup>d</sup> Malt use is expressed as barley equivalent = malt x 1.2.

Approximately 1 000 tonnes of pearled cooking barley is also included annually.

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

## 52 Australian feedgrains prices

	Barley a \$/t	Oats b \$/t	Sorghum c \$/t	Maize c \$/t	Feed wheat c \$/t	Triticale c \$/t
1979-80	97.06	78.48	103.28	111.39	140.50	na
1980-81	139.41	141.44	135.33	171.77	151.37	na
1981-82	111.19	105.60	112.95	129.90	149.78	na
1982-83	158.14	163.33	149.48	173.59	184.11	na
1983-84	122.86	96.07	127.82	160.63	175.24	na
1984-85	110.20	104.99	131.69	147.48	204.36	123.32
1985-86	109.47	100.68	126.71	143.76	193.82	121.17
1986-87	106.38	100.83	111.42	135.60	170.12	111.23
1987-88	117.93	109.09	129.02	154.84	189.54	132.25
1988-89	142.35	124.35	152.19	175.95	221.84	147.43
1989-90	151.67	116.15	152.77	176.25	171.00	155.60
1990-91	123.58	107.79	136.79	167.53	135.83	125.17
1991-92	147.28	141.02	172.75	189.15	159.67	150.56
1992-93	130.65	105.43	148.91	181.98	143.50	132.82
1993-94	127.30	105.27	168.60	229.58	137.58	135.59
1994-95	227.00	237.96	215.74	276.08	232.75	229.58
1995-96	226.80	171.69	223.69	244.02	234.72	220.22
1996-97	180.73	143.10	174.79	207.61	188.38	178.47
1997-98	179.48	171.49	182.37	215.50	185.93	184.23
1998-99	133.48	110.44	141.63	173.38	155.38	130.84
1999-00	141.03	103.23	130.58	161.14	153.63	138.95
2000-01	173.80	136.96	162.60	186.58	171.83	176.29
2001-02	202.95	191.46	187.52	224.90	211.87	211.96
2002-03	304.78	333.85	288.89	343.07	309.69	308.47
2003-04	203.16	180.43	194.70	254.06	221.51	210.28
2004-05	178.59	171.27	172.20	226.80	194.66	189.14
2005-06	181.91	180.75	171.41	212.67	192.15	188.45
<b>2005</b>						
January	169.33	160.00	165.00	213.33	175.00	180.00
February	165.50	168.00	148.00	205.00	173.25	177.50
March	170.00	176.20	150.60	204.00	178.80	180.00
April	175.50	185.00	161.25	217.50	183.00	184.50
May	208.50	221.25	179.75	231.25	212.50	202.50
June	228.00	246.00	191.60	246.00	223.00	225.00
July	209.00	248.75	173.50	232.50	208.25	215.00
August	201.40	212.00	165.20	212.00	199.20	204.20
September	196.75	200.00	162.75	220.00	189.50	199.50
October	186.75	191.25	162.50	217.50	194.50	192.75
November	167.00	163.00	161.00	204.00	183.60	176.00
December	157.00	143.00	156.00	198.00	169.33	168.00
<b>2006</b>						
January	166.00	145.00	163.00	200.00	176.00	168.00
February	175.00	163.00	173.00	206.00	184.25	175.00
March	172.00	168.00	178.00	195.00	190.00	180.00
April	176.00	169.00	183.00	213.00	193.00	185.00
May	181.00	171.00	183.00	221.00	198.20	193.00
June	195.00	195.00	196.00	233.00	220.00	205.00
July	193.00	196.00	195.00	230.00	218.00	204.00
August	192.00	199.00	195.00	222.00	219.00	201.00

a Average quote for bulk feed barley, delivered Sydney region. b Average quote for bulk feed oats, delivered Sydney region. c Average bulk quote, delivered Sydney region. na Not available.  
Sources: The Land, Rural Press Ltd.

## 53 Summary of world statistics for coarse grains

	Area million ha	Production Mt	Use Mt	Closing stocks <sup>a</sup>		Stocks to use ratio %	Trade <sup>b</sup> Mt	Use per person kg	Price <sup>c</sup> US\$/t
				World Mt	United States Mt				
1960-61	316	439.3	430.6	109.8	77	25	24	143	na
1961-62	315	432.2	435.0	103.6	67	24	31	142	46.0
1962-63	314	448.6	450.0	101.4	59	23	32	143	51.0
1963-64	321	458.3	452.8	106.1	64	23	35	140	55.0
1964-65	315	460.5	465.7	98.1	51	21	35	143	56.0
1965-66	313	472.4	484.3	80.3	40	17	41	147	55.0
1966-67	315	508.8	505.4	83.3	36	16	43	148	60.0
1967-68	319	533.4	521.2	94.4	46	18	43	150	50.0
1968-69	318	533.8	530.5	97.8	47	18	41	149	49.0
1969-70	323	558.0	553.2	97.8	46	18	43	154	54.0
1970-71	323	559.2	569.2	83.5	32	15	52	155	63.0
1971-72	324	617.4	598.4	99.6	47	17	57	159	52.0
1972-73	317	594.2	608.0	81.2	32	13	61	159	72.0
1973-74	335	659.3	655.7	79.8	22	12	68	168	114.0
1974-75	333	622.6	610.6	88.8	21	15	63	153	132.0
1975-76	339	641.0	632.8	92.8	24	15	74	156	116.0
1976-77	342	692.0	668.6	113.8	37	17	81	162	108.0
1977-78	344	691.0	676.4	124.0	50	18	87	161	95.0
1978-79	341	744.1	722.7	143.3	58	20	91	169	103.0
1979-80	341	735.5	731.1	153.2	64	21	97	166	115.0
1980-81	341	723.4	726.5	142.6	44	20	107	166	142.0
1981-82	349	759.0	737.7	168.4	78	23	96	162	118.0
1982-83	339	775.3	749.0	202.2	109	27	92	161	115.0
1983-84	334	678.1	743.3	133.1	40	18	92	160	146.0
1984-85	335	806.0	766.7	171.9	58	22	99	161	124.0
1985-86	341	833.7	763.5	242.2	127	32	82	157	106.0
1986-87	338	823.8	785.1	277.9	153	35	85	160	77.0
1987-88	325	787.1	796.9	263.3	134	33	88	159	86.0
1988-89	325	723.0	780.8	203.4	66	26	99	153	118.0
1989-90	323	794.6	815.3	182.5	46	22	105	157	110.7
1990-91	317	828.7	814.4	195.2	48	24	89	154	106.5
1991-92	323	812.5	812.8	194.4	34	24	96	151	110.4
1992-93	326	869.4	834.6	219.3	63	26	92	153	97.9
1993-94	318	798.2	832.8	181.1	27	22	87	150	114.8
1994-95	324	869.2	854.6	196.5	45	23	99	152	105.3
1995-96	315	801.0	829.9	161.8	14	20	88	145	160.1
1996-97	323	909.1	866.8	201.7	27	23	94	149	132.4
1997-98	311	881.2	866.4	215.8	38	25	86	147	112.4
1998-99	309	890.5	869.0	237.2	51	27	94	147	94.5
1999-00	300	877.6	876.8	231.8	49	26	107	147	89.9
2000-01	297	862.3	882.1	209.3	53	24	106	144	86.6
2001-02	301	893.8	904.3	195.6	45	22	104	146	90.1
2002-03	293	875.7	901.1	167.1	31	19	104	144	107.3
2003-04	307	916.1	943.4	135.4	29	14	104	149	115.0
2004-05	300	1 014.0	975.2	171.5	59	18	102	152	97.5
2005-06	301	974.4	984.4	162.3	55	16	104	151	103.9

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

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

## 54 World coarse grains production, by region and country

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Africa								
Egypt	6.5	6.6	6.6	7.1	7.1	6.8	6.9	6.9
Nigeria	18.2	18.6	17.9	18.8	19.1	20.3	22.3	23.7
South Africa	8.4	11.9	8.4	10.5	10.1	10.4	12.2	7.4
Americas								
Argentina	17.8	21.7	19.6	18.7	19.4	18.6	24.9	17.9
Brazil	33.5	33.0	43.1	36.8	47.1	44.9	37.8	43.7
Canada	26.6	26.8	24.0	22.6	19.9	26.3	26.4	26.1
Mexico	24.7	26.2	24.4	27.2	26.5	30.1	28.9	25.8
United States	271.5	263.0	273.1	261.7	243.7	275.1	319.4	298.7
Asia								
China	143.5	137.2	114.0	122.2	130.7	124.6	138.3	147.7
India	31.7	30.5	31.6	34.7	25.7	37.8	33.6	34.4
Thailand	4.5	4.1	4.8	4.6	4.4	4.2	4.4	4.3
Turkey	10.5	9.2	10.2	9.5	10.0	10.0	11.0	11.9
Europe								
European Union <sup>a</sup>	105.1	133.5	132.7	140.3	138.7	123.0	150.7	131.5
France	27.8	27.4	28.0	28.7	30.1	24.2	30.3	26.5
Germany	24.4	24.9	23.7	27.1	22.7	20.1	25.3	22.6
Italy	11.0	11.7	12.1	12.0	12.4	9.8	12.6	11.7
Spain	16.2	11.0	14.8	11.5	13.4	13.6	16.1	8.9
Former Yugoslavia	9.7	9.7	8.0	10.1	10.5	7.6	11.3	12.3
Romania	9.6	11.9	5.8	8.5	8.4	8.0	13.8	11.8
Russian Federation	19.0	21.8	28.2	35.2	33.4	30.5	29.6	27.6
Ukraine	9.2	9.0	13.0	17.0	17.1	15.6	23.0	18.1
Oceania								
Australia	10.7	9.4	10.9	13.0	6.9	15.6	12.1	14.4
Other	130.0	93.4	86.0	95.3	97.1	106.7	107.5	110.2
<b>Total <sup>b</sup></b>	<b>890.5</b>	<b>877.6</b>	<b>862.3</b>	<b>893.8</b>	<b>875.7</b>	<b>916.1</b>	<b>1 014.0</b>	<b>974.4</b>

<sup>a</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00. <sup>b</sup> World totals do not necessarily equal those of other tables as a result of the different sources used.

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

# 55 World coarse grains production, by grain

	Corn Mt	Barley Mt	Sorghum Mt	Oats Mt	Total <sup>a</sup> Mt
1960-61	199.6	78.9	40.8	55.9	439.3
1961-62	207.8	74.3	38.6	48.9	432.2
1962-63	207.3	87.1	41.8	48.7	448.6
1963-64	217.1	89.2	43.7	45.8	458.3
1964-65	215.4	96.3	41.6	42.6	460.5
1965-66	225.5	92.7	46.4	44.6	472.4
1966-67	250.1	102.5	49.3	46.3	508.8
1967-68	262.2	105.0	53.3	48.1	533.4
1968-69	252.5	115.0	51.5	51.5	533.8
1969-70	270.0	118.0	54.8	51.9	558.0
1970-71	268.1	119.8	55.1	51.6	559.2
1971-72	308.5	131.4	57.7	53.8	617.4
1972-73	301.4	132.5	54.0	47.6	594.2
1973-74	330.5	146.0	65.9	49.7	659.3
1974-75	299.8	149.6	60.3	46.7	622.6
1975-76	339.2	136.0	63.8	44.6	641.0
1976-77	356.1	166.2	62.2	45.8	692.0
1977-78	365.4	157.1	64.4	48.4	691.0
1978-79	392.1	175.6	63.6	48.5	744.1
1979-80	425.6	153.8	61.5	42.5	735.5
1980-81	408.7	157.4	59.4	41.5	723.4
1981-82	441.8	149.5	70.4	40.2	759.0
1982-83	439.9	161.2	65.2	46.2	775.3
1983-84	348.3	158.5	58.5	43.5	678.1
1984-85	458.4	170.5	65.8	45.8	806.0
1985-86	479.0	173.6	70.2	47.0	833.7
1986-87	475.4	178.1	64.5	44.6	823.8
1987-88	451.0	175.3	56.6	40.6	787.1
1988-89	400.9	164.0	54.6	35.4	723.0
1989-90	462.0	166.1	55.4	39.3	794.6
1990-91	482.1	179.0	53.8	39.3	828.7
1991-92	493.2	169.8	53.7	33.0	812.5
1992-93	536.1	166.2	65.6	33.9	869.4
1993-94	476.0	169.2	55.5	35.4	798.2
1994-95	559.0	160.7	57.7	32.9	869.2
1995-96	515.9	141.6	55.4	28.6	801.0
1996-97	592.6	153.6	69.7	30.6	909.1
1997-98	573.8	154.2	58.1	31.0	881.2
1998-99	605.7	135.7	60.8	25.7	890.5
1999-00	607.4	127.5	59.4	24.1	877.6
2000-01	590.5	132.9	53.8	26.0	862.3
2001-02	599.9	142.3	58.3	27.0	893.8
2002-03	602.9	134.8	52.7	25.6	875.7
2003-04	625.2	142.9	58.9	26.6	916.1
2004-05	712.3	154.2	57.7	25.9	1 014.0
2005-06	692.7	138.1	58.9	23.5	974.4

<sup>a</sup> Includes rye, millet and mixed grain.

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



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

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Africa								
Algeria	1.9	1.8	1.9	2.0	1.7	1.9	2.0	2.1
Egypt	3.7	4.6	5.3	5.0	4.9	3.8	5.4	4.3
Americas								
Brazil	1.3	2.0	0.6	0.6	1.1	0.5	0.7	0.7
Colombia	1.7	2.1	2.0	2.1	2.4	2.2	2.5	3.2
Mexico	9.1	10.0	11.2	9.0	8.8	8.9	9.0	10.0
Asia								
China	2.6	2.3	2.4	2.0	1.8	1.5	2.1	2.2
Chinese Taipei	4.8	5.2	5.2	4.9	4.8	5.1	4.8	5.0
Japan	20.9	20.4	20.2	19.9	20.3	20.0	19.7	19.8
Korea, Rep. of	7.8	9.3	8.9	8.8	8.9	9.0	8.7	8.9
Malaysia	2.4	2.3	2.6	2.4	2.4	2.4	2.4	2.5
Europe								
European Union <sup>a</sup>	3.1	4.8	5.4	5.9	6.4	7.8	3.7	3.4
Russian Federation	1.2	2.2	0.8	0.7	0.4	1.0	0.7	0.5
Middle East								
Iran	1.6	2.0	2.2	1.9	2.2	2.1	3.7	3.4
Saudi Arabia	7.1	6.3	6.9	7.1	8.5	8.4	6.9	7.6
Turkey	1.0	1.5	0.7	1.3	1.5	1.3	0.4	0.1
<b>Total b</b>	<b>93.7</b>	<b>101.6</b>	<b>103.5</b>	<b>101.5</b>	<b>103.1</b>	<b>100.8</b>	<b>101.2</b>	<b>102.1</b>
<b>Exports</b>								
Africa								
South Africa	0.6	1.5	1.3	1.1	1.1	0.8	2.2	0.8
Asia								
China	3.4	10.0	7.3	8.6	15.3	7.7	7.6	3.8
Americas								
Argentina	8.6	12.9	10.3	11.4	11.9	11.3	15.2	9.0
Brazil	0.0	0.2	6.3	2.1	4.7	4.8	0.7	3.0
Canada	3.3	3.6	3.7	2.5	1.7	3.6	2.8	4.1
United States	56.0	56.3	56.6	55.1	45.7	53.8	51.4	60.2
Europe								
European Union <sup>a</sup>	9.2	15.2	10.7	8.0	8.6	4.4	4.0	3.9
Oceania								
Australia	5.5	4.2	5.2	5.9	2.8	7.8	5.3	6.2
<b>Total b</b>	<b>93.8</b>	<b>107.2</b>	<b>105.9</b>	<b>104.2</b>	<b>104.2</b>	<b>103.6</b>	<b>101.6</b>	<b>103.9</b>

<sup>a</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00. <sup>b</sup> Includes some unspecified countries.  
 Sources: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra; US Department of Agriculture, *Grain: World Markets and Trade*, Washington DC; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

## 57 Volume of world corn trade, by region and country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Canada	0.9	1.0	2.7	4.0	3.9	2.0	2.4	1.8
China	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Chinese Taipei	4.6	5.0	4.9	4.7	4.7	5.0	4.5	4.8
Colombia	1.6	2.0	1.9	1.9	2.1	2.0	2.3	3.0
European Union <sup>b</sup>	2.7	3.0	3.8	3.8	4.3	5.5	3.0	3.0
Indonesia	0.5	1.2	1.3	1.1	1.6	1.4	0.5	1.3
Japan	16.3	16.1	16.3	16.4	16.9	16.8	16.5	16.7
Korea, Rep. of	7.5	8.7	8.7	8.6	8.8	8.8	8.6	8.8
Malaysia	2.4	2.3	2.6	2.4	2.4	2.4	2.4	2.5
Mexico	5.6	4.9	5.9	4.1	5.3	5.7	5.9	6.7
Saudi Arabia	1.3	1.5	1.4	1.3	1.4	1.6	1.2	1.4
<b>Total <sup>c</sup></b>	<b>66.5</b>	<b>71.7</b>	<b>75.4</b>	<b>74.3</b>	<b>77.4</b>	<b>76.5</b>	<b>77.1</b>	<b>77.7</b>
<b>Exports</b>								
Argentina	7.9	11.9	9.7	10.9	11.2	10.9	14.6	8.5
Brazil	0.0	0.2	6.3	2.1	4.6	4.4	0.7	3.0
China	3.3	9.9	7.3	8.6	15.2	7.6	7.6	3.8
South Africa	0.5	1.4	1.3	1.1	1.1	0.7	2.1	0.8
United States	50.4	49.2	49.3	48.4	40.3	48.3	46.2	54.6
Other	4.8	4.2	3.4	5.3	5.8	5.5	7.0	6.5
<b>Total</b>	<b>66.9</b>	<b>76.9</b>	<b>77.2</b>	<b>76.3</b>	<b>78.3</b>	<b>77.5</b>	<b>78.2</b>	<b>77.2</b>

<sup>a</sup> Marketing years of individual countries. <sup>b</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00. Excludes intra-EU trade. <sup>c</sup> Includes some unspecified countries.

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

## 58 Volume of world barley trade, by region and country

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
China	2.0	2.2	2.3	1.9	1.8	1.5	2.0	2.1
European Union <sup>a</sup>	0.1	1.1	1.1	1.6	1.5	0.6	0.5	0.3
Japan	1.7	1.6	1.5	1.4	1.4	1.4	1.5	1.4
Russian Federation	0.3	0.8	0.4	0.2	0.3	0.4	0.3	0.3
Saudi Arabia	5.9	4.8	5.5	5.8	7.1	6.8	5.7	6.2
<b>Total <sup>b</sup></b>	<b>16.9</b>	<b>17.3</b>	<b>17.2</b>	<b>16.9</b>	<b>17.2</b>	<b>15.1</b>	<b>16.2</b>	<b>16.6</b>
<b>Exports</b>								
Australia	4.8	3.3	4.6	5.3	2.6	7.0	4.9	5.7
Canada	1.1	1.7	2.0	1.1	0.4	1.8	1.2	2.3
European Union <sup>a</sup>	7.4	10.4	7.7	3.8	5.0	2.8	2.9	3.2
United States	0.6	0.6	1.3	0.6	0.7	0.4	0.5	0.6
<b>Total <sup>b</sup></b>	<b>16.8</b>	<b>17.3</b>	<b>17.5</b>	<b>17.6</b>	<b>16.7</b>	<b>16.5</b>	<b>15.3</b>	<b>18.7</b>

<sup>a</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00. Excludes intra-EU trade. <sup>b</sup> Includes some unspecified countries.

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

## 59 Volume of world sorghum trade, by country

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Chinese Taipei	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
European Union <sup>a</sup>	0.3	0.3	0.0	0.0	0.0	1.6	0.2	0.1
Israel	0.1	0.2	0.1	0.0	0.1	0.1	0.0	0.1
Japan	2.5	2.2	2.0	1.8	1.6	1.4	1.4	1.4
Mexico	3.3	4.9	5.0	4.8	3.4	3.0	2.9	3.2
Total <b>b</b>	6.7	8.2	7.6	7.0	5.5	6.5	5.3	5.3
<b>Exports</b>								
Argentina	0.6	0.9	0.4	0.4	0.6	0.2	0.4	0.2
Australia	0.5	0.9	0.6	0.4	0.1	0.6	0.2	0.3
United States	5.0	6.5	6.0	6.1	4.7	5.0	4.7	5.0
Total <b>b</b>	6.3	8.5	7.3	7.1	5.7	6.5	5.4	5.6

<sup>a</sup> Regarded as fifteen countries to 1998-99 then twenty five countries from 1999-00. Excludes intra-EU trade. <sup>b</sup> Includes some unspecified countries.

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

## 60 US coarse grains supply and disposal

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Area	million ha	36.2	35.0	35.6	33.9	33.5	34.8	34.9	34.9
Yield	t/ha	7.5	7.5	7.7	7.7	7.3	7.9	9.2	8.6
Production	Mt	271.5	263.0	273.1	261.7	243.7	275.1	319.4	298.7
Opening stocks	Mt	38.2	51.4	48.9	52.7	45.0	30.9	28.8	58.8
Imports	Mt	3.1	2.8	2.7	2.6	2.6	2.4	2.2	2.1
Availability	Mt	312.7	317.1	324.7	317.0	291.3	308.5	350.4	359.6
Domestic use	Mt	205.3	211.9	215.4	216.8	214.7	225.9	240.3	244.6
– feed	Mt	152.4	157.2	160.1	159.6	150.0	155.8	165.9	163.0
– food, seed	Mt	52.9	54.7	55.3	57.2	64.7	70.1	74.4	81.6
Exports	Mt	56.0	56.3	56.6	55.1	45.7	53.8	51.4	60.2
Closing stocks	Mt	51.3	48.9	52.6	45.1	30.9	28.8	58.8	54.8
– CCC <sup>a</sup>	Mt	0.3	0.4	0.2	0.2	0.1	0.0	0.0	0.0
– free	Mt	51.0	48.5	52.4	44.9	30.8	28.8	58.8	54.8

<sup>a</sup> Commodity Credit Corporation.

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

61 US corn supply and disposal <sup>a</sup>

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Area									
– planted	million ha	32.5	31.3	32.2	30.7	31.9	31.8	32.7	33.1
– harvested	million ha	29.4	28.5	29.3	27.8	28.1	28.7	29.8	30.4
Yield	t/ha	8.44	8.40	8.60	8.68	8.11	8.93	10.06	9.28
Production	Mt	247.9	239.5	251.9	241.4	227.8	256.3	299.9	282.2
Opening stocks	Mt	33.2	45.4	43.6	48.2	40.6	27.6	24.3	53.7
Imports	Mt	0.5	0.4	0.2	0.3	0.4	0.4	0.3	0.3
Availability	Mt	281.6	285.3	295.7	289.9	268.7	284.2	324.5	336.2
Domestic use	Mt	185.8	192.5	198.1	201.0	200.7	211.6	224.7	231.6
– feed	Mt	138.9	143.9	148.4	149.0	141.3	147.2	156.5	156.0
– food, seed	Mt	46.9	48.6	49.7	52.0	59.4	64.4	68.2	75.6
Exports	Mt	50.4	49.2	49.3	48.4	40.3	48.3	46.2	54.6
Closing stocks	Mt	45.4	43.6	48.2	40.6	27.6	24.3	53.7	50.1
– CCC <sup>b</sup>	Mt	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0
– free	Mt	45.1	43.3	48.0	40.4	27.5	24.3	53.7	50.1
Farm price	US\$/bus	1.94	1.82	1.85	1.97	2.32	2.42	2.06	1.90
Loan rate	US\$/bus	1.89	1.89	1.89	1.89	1.98	1.98	1.95	na
Export price <sup>c</sup>	US\$/t	94.5	89.9	86.6	90.1	107.3	115.0	97.5	103.9

<sup>a</sup> September–August crop years. <sup>b</sup> Commodity Credit Corporation. <sup>c</sup> US no. 2 yellow corn fob Gulf. **na** Not available.

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

## 62 US sorghum and barley supply and disposal

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Sorghum a</b>									
Area harvested	million ha	3.1	3.5	3.1	3.5	2.9	3.2	2.6	2.3
Yield	t/ha	4.2	4.4	3.8	3.8	3.2	3.3	4.4	4.3
Production	Mt	13.2	15.1	12.0	13.1	9.2	10.4	11.5	10.0
Opening stocks	Mt	1.2	1.7	1.7	1.1	1.5	1.1	0.9	1.4
Availability	Mt	14.4	16.8	13.6	14.1	10.7	11.5	12.4	11.5
Domestic use	Mt	7.8	8.6	6.5	6.4	4.9	5.6	6.3	4.8
Exports	Mt	5.0	6.5	6.0	6.1	4.7	5.0	4.7	5.0
Closing stocks	Mt	1.7	1.7	1.1	1.5	1.1	0.9	1.4	1.7
Farm price	US\$/bus	1.7	1.6	1.9	1.9	2.3	2.4	1.8	1.9
Loan rate	US\$/bus	1.7	1.7	1.7	1.7	2.0	2.0	2.0	na
Export price b	US\$/t	94.5	88.6	95.6	99.9	120.7	127.9	108.8	119.8
<b>Barley c</b>									
Area harvested	million ha	2.4	1.9	2.1	1.7	1.7	1.9	1.6	1.3
Yield	t/ha	3.2	3.1	3.3	3.1	3.0	3.2	3.7	3.5
Production	Mt	7.7	5.9	6.9	5.4	4.9	6.1	6.1	4.6
Opening stocks	Mt	2.6	3.1	2.4	2.3	2.0	1.5	2.6	2.8
Imports	Mt	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.1
Availability	Mt	10.9	9.6	10.0	8.2	7.3	8.0	9.0	7.5
Domestic use	Mt	7.2	6.6	6.4	5.7	5.2	5.0	5.7	4.6
Exports	Mt	0.6	0.6	1.3	0.6	0.7	0.4	0.5	0.6
Closing stocks	Mt	3.1	2.4	2.3	2.0	1.5	2.6	2.8	2.4
Farm price	US\$/bus	2.0	2.1	2.1	2.2	2.7	2.8	2.5	2.5
Loan rate	US\$/bus	1.6	1.6	1.6	1.7	1.9	1.9	1.9	na
Export price d	US\$/t	95.9	105.3	110.6	111.6	128.5	132.3	114.8	123.0

a September–August crop years. b US no. 2 sorghum fob Gulf. c June–May crop years. d No. 2 barley fob Portland (July–June average). na Not available.

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

## 63 Feedgrains export price quotations, by category

	US no. 2 hard red winter wheat (Gulf) <sup>a</sup> US\$/t	US no. 2 yellow corn (Gulf) <sup>a</sup> US\$/t	US no. 2 sorghum (Gulf) <sup>a</sup> US\$/t	US no. 2 barley (Portland) <sup>b</sup> US\$/t
1980-81	183.0	142.0	141.0	149.0
1981-82	170.0	118.0	114.0	131.0
1982-83	160.0	115.0	114.0	116.0
1983-84	154.0	146.0	131.0	138.0
1984-85	148.0	124.0	110.0	119.0
1985-86	128.0	106.0	94.0	100.0
1986-87	110.5	77.0	71.0	94.0
1987-88	123.4	86.0	80.0	101.0
1988-89	165.8	118.0	103.5	127.0
1989-90	160.8	110.7	103.7	123.0
1990-91	117.9	106.5	104.4	118.0
1991-92	151.0	110.4	109.7	122.0
1992-93	141.3	97.9	95.8	115.0
1993-94	141.5	114.8	111.9	112.0
1994-95	156.4	105.3	103.7	119.1
1995-96	215.3	160.1	156.9	166.9
1996-97	178.5	132.4	124.5	137.8
1997-98	141.8	112.4	113.3	118.2
1998-99	119.1	94.5	94.5	95.9
1999-00	113.2	89.9	88.6	105.3
2000-01	128.5	86.6	95.6	110.6
2001-02	127.5	90.1	99.9	111.6
2002-03	160.5	107.3	120.7	128.5
2003-04	160.5	115.0	127.9	132.3
2004-05	153.9	97.5	108.8	114.8
2005-06	176.3	103.9	119.8	123.0
<b>2005</b>				
January	157.0	96.2	107.2	115.3
February	154.0	94.5	107.4	118.1
March	158.0	100.0	111.0	120.7
April	148.0	96.5	107.2	118.3
May	149.0	95.5	108.2	119.4
June	150.0	97.9	108.4	116.2
July	149.0	105.8	112.7	121.2
August	158.0	99.5	110.1	126.1
September	169.0	97.2	113.3	122.5
October	174.0	101.7	120.2	121.0
November	166.0	96.2	113.8	123.0
December	168.1	102.8	118.2	121.7
<b>2006</b>				
January	170.6	102.8	120.8	117.6
February	184.6	107.2	125.9	120.3
March	182.4	105.1	119.5	125.8
April	185.6	108.1	125.2	126.0
May	202.8	110.9	128.5	123.4
June	205.0	109.8	129.0	127.9
July	211.0	114.5	136.3	130.1
August	201.0	115.5	131.3	131.6

<sup>a</sup> Export price, fob Gulf ports. <sup>b</sup> Export price, fob Portland.

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

## 64 Coarse grains supply and disposal in major exporting countries

	Area harvested million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports Mt	Closing stocks Mt
<b>United States (September–August)</b>						
1999-00	35.0	7.51	263.0	211.9	56.3	48.9
2000-01	35.6	7.67	273.1	215.4	56.6	52.6
2001-02	33.9	7.72	261.7	216.8	55.1	45.1
2002-03	33.5	7.28	243.7	214.7	45.7	30.9
2003-04	34.8	7.91	275.1	225.9	53.8	28.8
2004-05	34.9	9.15	319.4	240.3	51.4	58.8
2005-06	34.9	8.56	298.7	244.6	60.2	54.8
<b>Canada (August–July) a</b>						
1999-00	6.9	3.87	26.8	23.5	3.6	5.7
2000-01	7.2	3.35	24.0	24.5	3.7	4.3
2001-02	6.9	3.26	22.6	25.0	2.5	3.5
2002-03	6.2	3.20	19.9	22.8	1.7	3.1
2003-04	7.5	3.49	26.3	23.8	3.6	4.1
2004-05	6.7	3.94	26.4	23.8	2.8	6.3
2005-06	6.6	3.95	26.1	23.8	4.1	6.3
<b>Argentina (March–February)</b>						
1999-00	4.5	4.86	21.7	9.1	12.9	1.3
2000-01	4.1	4.82	19.6	9.4	10.3	1.2
2001-02	3.7	5.07	18.7	7.6	11.4	1.0
2002-03	3.6	5.34	19.4	7.4	11.9	1.0
2003-04	3.4	5.50	18.6	7.4	11.3	1.0
2004-05	4.0	6.23	24.9	9.1	15.2	1.6
2005-06	3.4	5.26	17.9	9.1	9.0	1.4
<b>Australia (November–October)</b>						
1999-00	4.2	2.22	9.4	5.6	4.2	0.7
2000-01	5.3	2.05	10.9	5.9	5.2	1.3
2001-02	5.8	2.25	13.0	6.7	5.9	2.0
2002-03	5.9	1.17	6.9	4.9	2.8	1.2
2003-04	6.8	2.29	15.6	6.9	7.8	2.2
2004-05	6.8	1.79	12.1	6.6	5.3	2.6
2005-06	6.9	2.08	14.4	6.8	6.2	3.6
<b>European Union (July–June) b</b>						
1999-00	29.1	4.60	133.5	126.7	15.2	21.1
2000-01	29.0	4.57	132.7	131.0	10.7	17.6
2001-02	29.5	4.76	140.3	134.4	8.0	21.2
2002-03	29.2	4.75	138.7	136.1	8.6	21.5
2003-04	29.0	4.25	123.0	135.5	4.4	12.6
2004-05	29.1	5.18	150.7	138.8	4.0	24.2
2005-06	28.3	4.65	131.5	132.4	3.9	22.8
<b>World</b>						
1999-00	299.7	2.93	877.6	876.8	107.2	231.8
2000-01	296.7	2.90	862.3	882.1	105.9	209.3
2001-02	301.4	2.96	893.8	904.3	104.2	195.6
2002-03	293.3	2.98	875.7	901.5	104.2	167.1
2003-04	307.1	2.98	916.1	943.5	103.6	135.4
2004-05	300.2	3.37	1 014.0	975.0	101.6	171.5
2005-06	301.0	3.23	974.4	984.4	103.9	162.3

a Canada also imports about 0.5 million tonnes of grain from the United States each year. b Regarded as twenty five countries.  
Note: The marketing period of each country is shown in parentheses.

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

65 Australian cotton area harvested and lint yield <sup>a</sup>

	Area harvested			Lint yield		
	New South Wales '000 ha	Queensland '000 ha	Australia <sup>b</sup> '000 ha	New South Wales t/ha	Queensland t/ha	Australia <sup>b</sup> t/ha
1960-61	na	na	15.0	na	na	0.173
1961-62	na	na	11.7	na	na	0.188
1962-63	na	na	15.3	na	na	0.118
1963-64	na	na	15.6	na	na	0.161
1964-65	7.3	7.9	15.3	0.942	0.207	0.555
1965-66	12.5	5.9	22.2	1.247	0.326	0.788
1966-67	12.3	5.5	21.5	0.927	0.541	0.668
1967-68	19.4	5.2	31.1	1.301	0.731	0.933
1968-69	22.3	6.3	32.5	1.158	0.722	0.935
1969-70	23.1	5.9	31.7	0.880	0.735	0.778
1970-71	26.4	5.2	35.1	0.485	0.596	0.454
1971-72	29.3	6.9	40.1	1.133	0.957	0.993
1972-73	31.7	8.0	43.6	0.744	0.600	0.651
1973-74	31.0	7.1	41.7	0.703	0.930	0.681
1974-75	27.5	7.4	38.5	0.982	0.797	0.854
1975-76	23.9	6.0	29.8	0.853	0.750	0.834
1976-77	24.8	8.9	35.3	0.847	0.787	0.794
1977-78	31.6	9.6	41.6	1.104	0.969	1.063
1978-79	36.1	13.4	49.8	1.102	0.993	1.065
1979-80	51.4	20.0	75.0	1.243	0.965	1.109
1980-81	61.6	22.0	83.6	1.252	0.991	1.183
1981-82	74.5	29.0	103.5	1.456	0.900	1.300
1982-83	71.9	24.6	96.5	1.043	1.049	1.045
1983-84	104.5	32.9	137.4	1.027	1.033	1.028
1984-85	131.2	51.9	183.1	1.538	0.904	1.358
1985-86	135.8	41.2	177.0	1.593	1.238	1.510
1986-87	125.0	31.0	156.0	1.451	1.297	1.420
1987-88	163.6	80.9	244.6	1.204	0.890	1.100
1988-89	140.8	53.3	194.1	1.577	1.332	1.510
1989-90	175.0	64.8	239.8	1.346	1.077	1.273
1990-91	202.0	77.0	279.0	1.678	1.403	1.602
1991-92	225.0	87.0	312.0	1.812	1.688	1.777
1992-93	204.0	82.0	286.0	1.478	1.314	1.431
1993-94	210.0	84.0	294.0	1.301	1.123	1.250
1994-95	157.0	89.0	246.0	1.594	1.402	1.524
1995-96	185.5	118.4	303.9	1.460	1.270	1.386
1996-97	277.0	119.1	396.1	1.599	1.403	1.540
1997-98	299.3	138.8	438.2	1.588	1.371	1.519
1998-99	381.7	179.9	561.5	1.243	1.341	1.274
1999-00	313.0	151.3	464.3	1.574	1.638	1.595
2000-01	327.9	199.4	527.3	1.627	1.432	1.553
2001-02	289.7	119.3	409.0	1.771	1.594	1.719
2002-03	165.2	59.3	224.5	1.830	1.430	1.724
2003-04	97.2	100.8	198.1	1.849	1.680	1.763
2004-05	162.8	158.1	320.9	2.136	1.881	2.011
2005-06	214.3	121.2	335.5	1.883	1.597	1.779

<sup>a</sup> August–July crop years. <sup>b</sup> Includes data for Western Australia. **na** Not available.

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




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

	Cottonseed production			Lint production		
	New South Wales kt	Queensland kt	Australia <sup>b</sup> kt	New South Wales kt	Queensland kt	Australia <sup>b</sup> kt
1960-61	na	na	4.5	na	na	2.6
1961-62	na	na	3.8	na	na	2.2
1962-63	na	na	3.1	na	na	1.8
1963-64	na	na	4.4	na	na	2.5
1964-65	11.8	2.8	17.4	6.9	1.6	8.5
1965-66	27.0	3.3	35.4	15.6	1.9	17.5
1966-67	20.0	5.2	32.1	11.4	3.0	14.4
1967-68	43.9	6.6	57.3	25.2	3.8	29.0
1968-69	44.9	8.0	58.5	25.8	4.5	30.4
1969-70	35.5	7.7	48.3	20.3	4.3	24.7
1970-71	22.3	5.4	31.9	12.8	3.1	15.9
1971-72	52.8	12.7	69.1	33.2	6.6	39.8
1972-73	36.4	10.7	50.7	23.6	4.8	28.4
1973-74	35.7	10.8	49.8	21.8	6.6	28.4
1974-75	44.1	9.7	53.8	27.0	5.9	32.9
1975-76	33.2	7.4	40.6	20.4	4.5	24.9
1976-77	34.9	11.7	46.6	21.0	7.0	28.0
1977-78	56.9	15.2	72.1	34.9	9.3	44.2
1978-79	56.8	21.7	78.5	39.8	13.3	53.1
1979-80	104.3	31.5	135.8	63.9	19.3	83.2
1980-81	125.8	35.6	161.4	77.1	21.8	98.9
1981-82	176.5	42.6	219.1	108.5	26.1	134.6
1982-83	112.3	42.1	154.4	75.0	25.8	100.8
1983-84	135.0	55.2	190.2	107.3	34.0	141.3
1984-85	308.2	102.2	410.4	201.8	46.9	248.7
1985-86	308.0	74.0	382.0	216.3	51.0	267.3
1986-87	281.6	48.4	330.0	181.4	40.2	221.6
1987-88	333.9	101.1	435.0	197.0	72.0	269.0
1988-89	345.0	74.3	419.3	222.0	71.0	293.0
1989-90	380.0	113.0	493.0	235.6	69.8	305.3
1990-91	526.0	160.0	686.0	339.0	108.0	447.0
1991-92	563.0	186.0	749.0	407.6	146.9	554.5
1992-93	365.1	162.4	527.5	301.5	107.7	409.3
1993-94	334.2	131.3	465.5	273.2	94.3	367.5
1994-95	286.5	187.1	473.6	250.2	124.8	375.0
1995-96	382.4	212.4	594.8	270.8	150.4	421.2
1996-97	627.5	232.6	860.1	443.0	167.1	610.1
1997-98	672.3	269.0	941.3	475.3	190.3	665.7
1998-99	677.5	346.9	1 024.4	474.4	241.2	715.6
1999-00	695.7	350.4	1 046.2	492.7	247.8	740.5
2000-01	740.5	399.5	1 140.0	533.5	285.5	819.0
2001-02	777.1	276.4	1 053.5	513.1	190.1	703.3
2002-03	425.3	120.5	545.8	302.3	84.7	387.1
2003-04	254.2	239.6	493.7	179.7	169.4	349.1
2004-05	491.8	420.5	912.3	347.8	297.3	645.1
2005-06	570.6	273.8	844.4	403.5	193.6	597.1

<sup>a</sup> August-July crop year. <sup>b</sup> Includes data for Western Australia. **na** Not available.

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

## 67 Australian production, trade and use of raw cotton

	Domestic lint production <sup>a</sup> kt	Gross value of production <sup>b</sup> \$m	Imports		Exports	
			Volume kt	Value \$m	Volume kt	Value \$m
1960-61	2.6	na	na	na	na	na
1961-62	2.2	1.3	na	na	na	na
1962-63	1.8	1.9	19.3	na	na	na
1963-64	2.5	2.2	25.7	na	na	na
1964-65	8.5	7.7	25.2	na	na	na
1965-66	17.5	14.3	14.6	8.2	na	na
1966-67	14.4	13.6	9.1	4.7	na	na
1967-68	29.0	19.7	12.3	6.9	na	na
1968-69	30.4	20.7	5.7	3.8	3.7	1.9
1969-70	24.7	18.6	4.7	3.0	11.5	5.1
1970-71	15.9	14.0	7.0	4.3	7.4	3.4
1971-72	39.8	29.8	8.9	5.8	2.4	1.6
1972-73	28.4	32.6	3.8	2.7	22.3	11.3
1973-74	28.4	32.6	8.4	9.3	3.2	1.8
1974-75	32.9	26.6	4.0	4.8	7.7	5.4
1975-76	24.9	29.3	4.1	4.4	16.0	11.5
1976-77	28.0	37.5	5.0	7.4	5.5	7.1
1977-78	44.2	52.2	4.0	5.6	9.8	10.9
1978-79	53.1	76.0	1.7	3.1	23.6	28.5
1979-80	83.2	135.3	2.0	4.0	48.5	66.9
1980-81	98.9	147.0	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	168.0	0.7	1.3	129.0	198.0
1983-84	141.3	269.0	1.1	2.4	82.0	148.0
1984-85	248.7	330.0	2.7	6.0	140.0	262.0
1985-86	267.3	295.0	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	421.6	0.3	0.7	176.0	353.0
1988-89	293.0	536.9	1.1	2.9	287.3	462.8
1989-90	305.3	658.0	0.1	0.3	306.0	579.8
1990-91	447.0	981.0	0.7	2.2	339.7	737.7
1991-92	554.5	972.0	0.7	1.8	458.1	945.0
1992-93	409.3	770.0	0.3	1.3	396.0	755.5
1993-94	367.5	739.0	0.3	1.4	360.5	732.0
1994-95	375.0	910.0	0.2	1.2	296.8	678.7
1995-96	421.2	1 001.0	0.7	2.0	311.4	762.3
1996-97	610.1	1 342.0	0.2	0.6	505.0	1 076.9
1997-98	665.7	1 449.2	0.2	1.0	593.4	1 385.6
1998-99	715.6	1 394.7	0.2	1.0	646.7	1 559.0
1999-00	740.5	1 617.0	0.4	1.4	703.0	1 406.6
2000-01	819.0	1 882.0	0.4	1.6	834.3	1 958.3
2001-02	703.3	1 499.0	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	671.0	0.1	0.5	459.0	982.2
2004-05	645.1	1 222.0	0.3	0.7	409.8	770.3
2005-06	597.1	1 104.8	0.0	0.0	650.1	1 137.1

<sup>a</sup> August-July crop year. <sup>b</sup> Includes cottonseed. **na** Not available.

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

## Volume of Australian exports of raw cotton, by destination

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
Asia	594.1	657.7	778.6	674.8	559.9	444.6	395.8	642.6
China	18.2	5.4	11.4	13.1	29.6	79.9	61.8	284.6
Chinese Taipei	30.0	26.7	31.6	21.5	13.6	2.7	3.9	8.7
India	14.3	41.8	66.1	55.0	6.8	2.2	3.5	1.3
Indonesia	209.3	182.9	220.3	193.9	184.2	147.0	130.0	141.4
Japan	135.4	138.9	139.6	120.9	94.0	52.2	45.2	34.9
Korea, Rep. of	50.1	53.0	75.3	94.0	96.3	56.4	63.6	53.7
Pakistan	18.6	48.8	39.6	29.1	14.9	33.2	13.3	8.2
Philippines	7.2	12.2	11.6	5.1	3.3	0.7	0.2	1.3
Thailand	79.4	95.0	114.5	90.1	86.9	58.6	64.8	93.1
Other	31.6	53.0	68.8	52.1	30.2	11.7	9.7	15.4
Europe	45.0	41.1	49.3	41.3	31.5	11.9	10.2	6.9
Germany	0.6	0.8	0.0	0.0	0.2	0.2	0.1	0.0
Italy	27.4	22.4	29.2	24.3	17.3	6.6	8.1	6.6
Spain	9.0	3.0	2.6	2.9	2.9	2.9	2.0	0.0
Other	7.9	14.9	17.5	14.1	11.0	2.2	0.1	0.3
United States	0.2	0.1	0.4	0.0	1.2	0.5	0.3	0.0
Other countries	7.6	4.2	6.5	2.4	4.8	2.5	3.9	0.6
Total	646.7	703.0	834.3	718.5	596.2	459.0	409.8	650.1

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

## 69 Cotton prices and unit values

	Cotlook 'A' index <sup>a</sup> USc/lb	Australian base price for raw cotton <sup>b</sup> Ac/kg	Average unit export return for raw cotton Ac/kg
1960-61	na	57.0	na
1961-62	na	59.0	na
1962-63	na	59.0	na
1963-64	na	57.0	na
1964-65	na	57.0	na
1965-66	na	57.0	na
1966-67	28.4	55.0	na
1967-68	31.3	58.0	na
1968-69	28.8	60.0	51.4
1969-70	28.0	58.0	44.3
1970-71	31.1	65.0	45.9
1971-72	37.2	72.0	66.7
1972-73	42.0	72.0	50.7
1973-74	76.5	120.0	56.3
1974-75	52.5	90.0	70.1
1975-76	65.3	117.0	71.9
1976-77	81.9	166.0	129.1
1977-78	65.1	135.0	111.2
1978-79	76.1	156.0	120.8
1979-80	85.4	179.0	137.9
1980-81	94.2	192.0	155.9
1981-82	73.8	164.0	148.1
1982-83	76.7	199.0	153.5
1983-84	87.7	237.0	180.5
1984-85	69.2	226.0	187.1
1985-86	49.0	174.0	157.7
1986-87	62.1	211.0	137.5
1987-88	72.3	237.0	200.6
1988-89	66.4	186.6	161.1
1989-90	82.4	247.7	189.5
1990-91	82.9	249.5	217.1
1991-92	63.1	198.4	206.3
1992-93	57.7	197.6	190.8
1993-94	70.6	234.4	203.0
1994-95	91.1	286.5	228.7
1995-96	85.5	262.7	244.8
1996-97	78.6	235.0	213.2
1997-98	72.2	248.6	233.5
1998-99	60.2	227.5	241.1
1999-00	52.5	199.2	200.1
2000-01	57.2	256.1	234.7
2001-02	41.8	193.8	215.4
2002-03	55.4	221.6	193.4
2003-04	68.3	225.0	214.0
2004-05	52.4	166.9	188.0
2005-06	56.0	179.1	174.9

<sup>a</sup> 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. <sup>b</sup> Equivalent to 'in store' prices – that is, Cotlook prices in USc/lb to which freight differentials have been added, then converted to Australian currency, with 'into store' charges added finally. Prices approximate import parity prices. **na** Not available.

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

# 70 Summary of world statistics for raw cotton <sup>a</sup>

	Opening stocks kt	Production kt	Total supply kt	Consumption kt	Imports <sup>b</sup> kt	Price <sup>c</sup> USc/lb
1960-61	4 259	9 812	17 841	10 000	3 770	na
1961-62	4 110	9 703	17 294	9 713	3 481	na
1962-63	4 176	10 231	17 993	9 511	3 586	na
1963-64	5 015	11 064	19 952	10 364	3 873	na
1964-65	5 671	11 702	21 155	11 153	3 782	na
1965-66	6 314	12 399	22 443	11 663	3 730	na
1966-67	7 087	11 378	22 386	12 205	3 921	28.4
1967-68	6 196	11 226	21 203	12 233	3 781	31.3
1968-69	5 134	12 387	21 208	12 280	3 687	28.8
1969-70	5 220	11 828	20 901	12 165	3 853	28.0
1970-71	4 875	12 100	22 334	12 442	5 359	31.1
1971-72	4 756	12 879	23 006	12 711	5 371	37.2
1972-73	4 888	13 470	24 319	12 931	5 961	42.0
1973-74	5 331	13 603	24 757	13 136	5 823	76.5
1974-75	5 913	13 895	24 995	12 444	5 187	52.5
1975-76	7 262	11 752	24 737	13 444	5 723	65.3
1976-77	5 639	12 307	23 374	13 145	5 428	81.9
1977-78	4 873	13 914	24 692	13 353	5 905	65.1
1978-79	5 582	12 954	24 443	13 750	5 907	76.1
1979-80	4 759	14 249	25 650	14 351	6 642	85.4
1980-81	4 623	13 800	24 357	14 150	5 934	94.2
1981-82	4 488	14 988	25 071	13 836	5 595	73.8
1982-83	5 626	14 442	25 744	14 647	5 676	76.7
1983-84	5 542	14 430	25 863	15 061	5 891	87.7
1984-85	5 287	19 314	30 617	15 522	6 016	69.2
1985-86	9 172	17 451	32 933	16 456	6 310	49.0
1986-87	10 364	15 319	32 888	17 913	7 205	62.1
1987-88	7 714	17 733	32 094	18 437	6 647	72.3
1988-89	7 102	18 337	32 751	18 698	7 312	66.4
1989-90	6 763	17 356	31 241	18 972	7 122	82.4
1990-91	5 440	18 973	31 068	18 656	6 655	82.9
1991-92	5 976	20 748	33 040	18 843	6 315	63.1
1992-93	8 047	17 920	31 851	18 804	5 884	57.7
1993-94	7 500	16 906	30 481	18 648	6 075	70.6
1994-95	6 029	18 780	31 395	18 317	6 586	91.1
1995-96	6 944	20 406	33 228	18 579	5 878	85.5
1996-97	8 710	19 601	34 534	19 011	6 222	78.6
1997-98	9 710	20 082	35 437	18 923	5 645	72.2
1998-99	10 745	18 616	34 691	18 281	5 330	60.2
1999-00	11 357	19 099	36 547	19 759	6 091	52.5
2000-01	10 931	19 345	35 982	19 768	5 706	57.2
2001-02	10 465	21 501	38 376	20 361	6 410	41.8
2002-03	11 694	19 215	37 460	21 234	6 551	55.4
2003-04	9 623	20 741	37 780	21 175	7 416	68.3
2004-05	9 372	26 195	42 824	23 447	7 257	52.4
2005-06	11 753	24 884	46 253	25 155	9 616	56.0

<sup>a</sup> August-July crop year. <sup>b</sup> Includes trade among the twelve republics of the former Soviet Union and Estonia, Latvia and Lithuania. <sup>c</sup> 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. **na** Not available.

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

# 71 World area, yield and production of raw cotton <sup>a</sup>

	Area harvested '000 ha	Lint yield kg/ha	Production					World kt
			Brazil kt	India kt	Pakistan kt	United States kt	China kt	
1960-61	32 120	305	425	1 022	304	3 100	1 067	9 812
1961-62	32 419	299	550	895	328	3 110	806	9 703
1962-63	31 761	322	501	1 086	368	3 228	740	10 231
1963-64	32 852	337	501	1 103	422	3 330	1 197	11 064
1964-65	33 525	349	457	1 031	380	3 297	1 655	11 702
1965-66	33 287	372	544	961	417	3 255	2 090	12 399
1966-67	31 167	365	427	960	466	2 080	2 330	11 378
1967-68	30 923	363	575	1 129	520	1 621	2 351	11 226
1968-69	31 912	388	718	1 035	529	2 379	2 351	12 387
1969-70	32 461	364	580	1 044	538	2 175	2 079	11 828
1970-71	31 803	380	595	963	544	2 219	2 286	12 100
1971-72	33 023	390	680	1 260	707	2 281	2 112	12 879
1972-73	33 540	402	651	1 125	675	2 984	1 960	13 470
1973-74	32 846	414	535	1 079	633	2 825	2 547	13 603
1974-75	33 508	415	533	1 199	610	2 513	2 460	13 895
1975-76	29 874	393	400	1 130	494	1 808	2 373	11 752
1976-77	30 535	403	590	1 012	418	2 304	2 068	12 307
1977-78	33 576	414	489	1 229	553	3 133	2 047	13 914
1978-79	32 904	394	544	1 348	464	2 364	2 166	12 954
1979-80	32 219	442	572	1 363	744	3 185	2 199	14 249
1980-81	32 368	426	594	1 322	714	2 422	2 700	13 800
1981-82	32 933	455	680	1 428	748	3 407	2 961	14 988
1982-83	31 394	460	586	1 471	823	2 605	3 592	14 442
1983-84	30 920	467	674	1 333	494	1 692	4 638	14 430
1984-85	33 734	573	968	1 820	1 008	2 827	6 249	19 314
1985-86	31 584	553	793	1 964	1 216	2 925	4 137	17 451
1986-87	29 353	522	633	1 579	1 320	2 119	3 549	15 319
1987-88	30 871	574	864	1 555	1 468	3 214	4 246	17 733
1988-89	33 767	543	709	1 788	1 426	3 355	4 159	18 337
1989-90	31 689	548	666	2 295	1 456	2 655	3 788	17 356
1990-91	33 160	572	717	1 989	1 638	3 376	4 507	18 973
1991-92	34 786	596	667	2 023	2 177	3 835	5 683	20 748
1992-93	32 642	549	420	2 346	1 540	3 531	4 507	17 920
1993-94	30 710	550	483	2 134	1 368	3 513	3 745	16 906
1994-95	32 238	583	537	2 427	1 361	4 281	4 333	18 780
1995-96	35 968	567	410	2 885	1 785	3 897	4 768	20 406
1996-97	33 731	581	306	3 030	1 594	4 124	4 202	19 601
1997-98	33 779	595	412	2 686	1 562	4 092	4 594	20 082
1998-99	32 870	566	521	2 805	1 372	3 030	4 507	18 616
1999-00	32 229	593	700	2 652	1 872	3 694	3 832	19 099
2000-01	32 002	604	939	2 380	1 785	3 742	4 420	19 345
2001-02	33 738	637	766	2 678	1 807	4 421	5 313	21 501
2002-03	30 451	631	847	2 308	1 698	3 747	4 921	19 215
2003-04	32 236	643	1 310	3 048	1 687	3 975	4 855	20 741
2004-05	35 774	732	1 285	4 137	2 426	5 062	6 314	26 195
2005-06	34 393	724	1 023	4 180	2 145	5 201	5 704	24 884

<sup>a</sup> August-July crop year. **na** Not applicable.

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

## 72 Volume of world exports of raw cotton, by country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
Africa	1 130	1 148	1 048	1 103	1 270	1 373	1 394	1 525
Sub-saharan Africa	1 302	1 056	966	1 014	1 117	1 286	1 252	1 422
Burkina	114	113	113	142	158	207	212	294
America	1 273	1 649	1 746	2 660	2 772	3 344	3 607	4 438
United States	936	1 470	1 467	2 395	2 591	2 995	3 143	3 821
South America	313	148	258	243	164	319	431	537
Brazil	5	3	69	147	106	210	339	446
Australia	662	699	834	718	596	459	410	650
Greece	210	235	310	218	250	267	255	294
Mali	207	196	125	201	185	256	207	234
Uzbekistan	830	914	751	762	740	675	860	1 045
Other	810	1 080	934	659	790	859	891	1 283
Total	5 122	5 921	5 748	6 321	6 603	7 233	7 624	9 470

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

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

## 73 Volume of world imports of raw cotton, by destination <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
Asia	2 545	2 754	2 758	3 262	3 504	4 655	4 458	7 052
Bangladesh	142	169	218	261	348	370	403	446
China	72	25	50	98	681	1 923	1 390	4 191
Chinese Taipei	299	313	226	333	265	220	291	239
Indonesia	506	452	577	513	485	468	479	479
Korea	320	332	309	352	325	277	292	229
Pakistan	201	103	98	218	185	403	370	425
Thailand	263	369	342	410	423	365	497	408
Turkey	248	525	383	648	493	516	742	751
Other Asia	741	990	937	1 077	791	628	736	635
European Union <sup>b</sup>	1 050	1 064	1 038	964	840	688	617	465
Mexico	310	395	406	450	507	405	394	370
Middle East	265	555	409	681	540	550	785	790
Russian Federation	185	348	359	392	359	321	316	327
Other	975	975	735	661	801	798	687	612
Total	5 330	6 091	5 706	6 410	6 551	7 416	7 257	9 616

<sup>a</sup> August–July crop year. Does not include cotton in transit. <sup>b</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00.

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

## 74 Summary of Australian statistics for dairy products

	Dairy cow numbers a '000	Milk yield per cow L	Production			Export price c	
			Milk b	Butter	Cheese	Butter	Cheese
			ML	kt	kt	\$/t	\$/t
1960-61	3 162	1 926	6 089	182	48	638	503
1961-62	3 230	2 032	6 563	201	57	598	458
1962-63	3 263	2 045	6 673	204	60	604	462
1963-64	3 296	2 064	6 803	206	59	618	477
1964-65	3 214	2 151	6 914	206	63	688	514
1965-66	3 094	2 236	6 919	209	60	669	534
1966-67	3 061	2 383	7 295	222	70	607	591
1967-68	2 963	2 298	6 808	196	71	584	519
1968-69	2 866	2 430	6 965	198	75	523	545
1969-70	2 829	2 659	7 523	223	76	512	480
1970-71	2 745	2 641	7 249	203	78	516	504
1971-72	2 693	2 629	7 079	196	81	793	673
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	2 906	5 432	84	151	1 595	1 545
1980-81	1 819	2 871	5 223	79	135	1 875	1 926
1981-82	1 810	2 905	5 258	76	153	2 714	2 158
1982-83	1 792	3 078	5 516	88	158	2 412	2 444
1983-84	1 809	3 269	5 913	111	161	1 871	2 611
1984-85	1 809	3 335	6 033	114	160	1 617	2 433
1985-86	1 770	3 411	6 038	105	170	1 592	2 515
1986-87	1 757	3 598	6 173	104	177	1 758	2 645
1987-88	1 714	3 657	6 130	98	176	1 634	2 735
1988-89	1 709	3 781	6 290	101	191	1 970	2 990
1989-90	1 698	3 790	6 263	111	175	2 421	3 461
1990-91	1 682	3 911	6 403	108	179	1 968	3 203
1991-92	1 699	4 074	6 732	114	198	2 177	3 316
1992-93	1 716	4 318	7 327	131	210	2 241	3 693
1993-94	1 786	4 523	8 077	152	234	2 197	3 750
1994-95	1 821	4 506	8 206	141	240	2 076	3 449
1995-96	1 884	4 626	8 716	154	272	2 993	3 881
1996-97	1 977	4 571	9 036	158	290	2 001	3 702
1997-98	2 060	4 582	9 439	163	310	2 264	3 955
1998-99	2 155	4 723	10 178	189	328	2 510	3 967
1999-00	2 171	4 996	10 847	182	373	2 123	3 670
2000-01	2 176	4 846	10 545	172	376	2 419	4 342
2001-02	2 123	5 309	11 271	178	412	2 417	4 738
2002-03	2 050	5 037	10 326	165	379	2 014	3 844
2003-04	2 038	4 943	10 075	149	384	2 187	3 483
2004-05	2 076	4 877	10 125	147	388	2 713	3 850
2005-06	2 050	4 923	10 092	146	373	2 724	4 145

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. c Feb.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Preliminary*, cat. no. 7111.0, Canberra; Australian Dairy Corporation, *Monthly Statistics*, Melbourne; ABARE.



## 75 Value of Australian exports of dairy products, by destination

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Cheese</b>								
Japan	\$m	306.6	338.8	429.2	272.0	299.6	378.9	298.5
Philippines	\$m	16.4	18.6	20.0	15.7	11.1	18.2	13.7
Saudi Arabia	\$m	94.1	123.6	148.2	98.9	69.0	81.5	103.5
United Kingdom	\$m	23.9	38.7	21.5	15.2	18.3	20.5	20.1
United States	\$m	28.8	39.1	48.3	36.1	33.9	45.4	54.8
Other	\$m	336.8	391.0	366.3	361.9	306.6	330.9	345.5
Total	\$m	806.6	949.9	1 033.4	799.8	738.4	875.4	836.1
<b>Butter and butterfat a</b>								
Egypt	\$m	33.7	34.6	23.5	18.9	6.4	10.5	12.5
Malaysia	\$m	15.8	14.7	14.4	12.7	13.5	11.6	15.8
Philippines	\$m	11.9	8.6	5.1	3.7	1.9	2.8	5.1
Singapore	\$m	19.4	16.7	20.4	15.5	18.2	16.8	21.1
Thailand	\$m	27.3	19.8	23.0	13.2	12.7	13.5	12.0
Other	\$m	182.6	196.6	211.0	160.0	129.4	133.0	157.6
Total	\$m	290.5	291.0	297.4	224.0	182.1	188.3	224.1
<b>Skim milk powder</b>								
Japan	\$m	56.2	48.9	53.7	29.6	13.3	10.6	12.5
Malaysia	\$m	78.3	87.4	88.4	51.4	52.7	64.2	77.1
Philippines	\$m	102.0	181.4	143.5	69.0	59.8	49.4	72.0
Singapore	\$m	26.7	51.8	52.8	38.4	41.3	57.7	56.1
Thailand	\$m	55.1	67.2	69.1	33.2	20.0	21.7	76.8
Other	\$m	159.8	257.5	290.5	184.1	198.8	216.3	234.3
Total	\$m	478.1	694.2	697.9	405.6	386.0	419.9	528.9
<b>Casein</b>								
Japan	\$m	15.3	19.9	26.7	20.6	23.3	23.1	30.4
United States	\$m	62.6	56.7	80.5	81.4	68.8	56.6	27.3
Other	\$m	15.3	23.4	15.5	26.4	30.4	36.4	31.3
Total	\$m	93.2	100.1	122.6	128.4	122.5	116.1	88.9
<b>Wholemilk powder</b>								
Malaysia	\$m	27.0	26.9	39.2	22.3	28.9	33.1	23.8
Singapore	\$m	15.7	31.7	29.7	25.2	21.4	30.9	44.6
Taiwan	\$m	49.2	54.9	54.1	44.9	40.0	31.5	22.8
Thailand	\$m	28.8	24.9	22.6	14.0	12.0	8.6	10.5
Other	\$m	282.8	441.8	425.5	273.4	218.9	220.3	231.9
Total	\$m	403.4	580.2	571.1	379.8	321.1	324.4	333.6
<b>Other products</b>								
Fresh milk	\$m	81.4	82.0	98.1	98.1	104.0	108.7	107.3
Other fresh products	\$m	20.2	12.7	7.9	5.5	9.6	9.1	6.3
Condensed milk	\$m	87.6	111.5	123.7	133.3	121.0	139.8	147.5
Other powders	\$m	182.2	223.2	276.6	272.1	253.9	244.9	241.2
Total	\$m	371.5	429.4	506.2	509.1	488.6	502.6	502.3

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

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

## Volume of Australian exports of dairy products, by destination

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Cheese</b>								
Japan	kt	84.9	84.6	103.2	73.2	92.4	106.5	81.0
Philippines	kt	5.4	5.5	5.2	4.9	3.7	5.0	3.4
Saudi Arabia	kt	14.6	16.3	17.4	14.8	14.9	17.0	20.7
United Kingdom	kt	6.8	9.8	4.3	4.3	5.0	5.1	5.1
United States	kt	8.3	9.4	10.8	9.0	10.3	11.9	11.8
Other	kt	99.7	93.2	77.1	101.9	85.7	81.9	79.7
Total	kt	219.8	218.8	218.1	208.1	212.0	227.4	201.7
<b>Butter and butterfat <sup>a</sup></b>								
Egypt	kt	17.3	15.5	12.1	10.5	3.6	4.4	4.8
Malaysia	kt	6.8	6.0	5.2	4.7	4.7	3.4	4.8
Philippines	kt	5.8	4.0	2.4	2.1	1.0	1.1	2.0
Singapore	kt	9.0	6.3	8.0	6.5	7.0	7.1	8.1
Thailand	kt	12.4	8.9	9.8	7.7	6.5	5.5	4.6
Other	kt	80.9	75.8	81.8	74.4	58.7	46.6	54.9
Total	kt	136.8	120.3	123.1	111.2	83.3	69.4	82.3
<b>Skim milk powder</b>								
Japan	kt	27.2	20.2	18.3	16.4	7.6	3.9	4.1
Malaysia	kt	36.1	25.9	25.3	22.9	22.1	22.0	25.7
Philippines	kt	47.0	51.1	41.4	29.8	24.2	17.7	26.0
Singapore	kt	12.4	15.1	16.4	17.8	17.0	20.7	21.1
Thailand	kt	24.4	18.2	21.8	14.9	7.9	8.3	26.8
Other	kt	71.1	72.1	87.0	79.2	76.3	68.1	77.6
Total	kt	218.2	202.6	210.2	180.9	155.0	140.7	181.2
<b>Casein</b>								
Japan	kt	2.0	1.9	2.2	2.1	2.6	2.1	2.5
United States	kt	10.4	5.9	8.9	13.2	10.5	6.5	2.6
Other	kt	3.1	3.3	2.0	5.2	5.0	4.2	3.2
Total	kt	15.5	11.1	13.1	20.5	18.2	12.8	8.3
<b>Wholemilk powder</b>								
Chinese Taipei	kt	17.8	14.4	13.2	13.3	11.5	9.2	7.4
Malaysia	kt	10.0	7.9	10.3	6.8	11.1	11.0	7.9
Singapore	kt	6.4	9.6	9.8	12.3	8.8	10.6	15.1
Thailand	kt	11.5	7.8	6.4	5.8	4.8	2.9	3.6
Other	kt	107.7	127.8	125.6	103.5	80.6	71.0	76.4
Total	kt	153.4	167.5	165.3	141.7	116.8	104.8	110.3
<b>Other products</b>								
Fresh milk	ML	86.1	83.1	86.9	88.3	85.7	86.7	86.1
Other fresh products	ML	5.2	3.1	1.4	1.5	2.5	2.5	1.8
Condensed milk	kt	68.9	62.6	71.5	102.3	100.2	102.6	94.8
Other powders	kt	58.5	53.5	67.4	73.7	70.0	68.5	68.5

<sup>a</sup> Includes ghee, dry butterfat, butter concentrate and butter oil, all expressed as butter.  
Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

## 77 Australian dairy cow numbers, by state <sup>a</sup>

	New South Wales '000	Victoria '000	Queensland '000	Western Australia '000	South Australia '000	Tasmania '000	Australia <sup>b</sup> '000
1965	719	1 187	689	113	159	143	3 214
1966	675	1 192	627	109	155	148	3 094
1967	668	1 211	599	103	149	149	3 061
1968	645	1 200	556	100	139	152	2 963
1969	604	1 209	497	97	139	153	2 866
1970	568	1 245	460	101	138	155	2 829
1971	527	1 244	441	96	138	153	2 745
1972	491	1 257	420	97	145	155	2 693
1973	465	1 274	390	98	141	155	2 647
1974	418	1 244	341	95	132	140	2 492
1975	387	1 269	329	91	135	144	2 477
1976	384	1 258	330	93	135	143	2 467
1977	373	1 167	312	84	120	128	2 279
1978	341	1 125	287	74	112	118	2 056
1979	320	1 047	265	72	105	110	1 921
1980	308	1 037	247	72	102	103	1 869
1981	289	1 024	236	71	100	99	1 819
1982	283	1 024	235	70	99	100	1 810
1983	293	998	234	69	98	98	1 792
1984	285	1 021	234	69	101	99	1 809
1985	274	1 036	229	69	102	98	1 809
1986	264	1 016	224	68	102	96	1 770
1987	270	997	223	67	102	96	1 757
1988	260	977	218	65	100	94	1 714
1989	258	990	210	64	94	92	1 709
1990	245	995	208	65	90	93	1 698
1991	230	1 000	199	66	89	97	1 682
1992	222	1 026	188	68	90	103	1 699
1993	222	1 033	189	70	93	107	1 716
1994	232	1 085	189	74	94	113	1 786
1995	230	1 113	189	73	97	119	1 821
1996	235	1 161	189	71	97	130	1 884
1997	245	1 229	194	71	101	137	1 977
1998	266	1 268	203	73	107	143	2 060
1999	282	1 340	196	65	117	154	2 155
2000	289	1 377	194	65	105	139	2 171
2001	270	1 360	187	72	132	155	2 176
2002	264	1 363	174	75	110	134	2 123
2003	250	1 303	159	77	117	142	2 050
2004	236	1 322	169	74	106	127	2 038
2005	251	1 379	145	65	97	138	2 076
2006	240	1 385	140	60	90	135	2 050

<sup>a</sup> 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. <sup>b</sup> Includes data for the Australian Capital Territory and the Northern Territory. Sources: ABS, *Principal Agricultural Commodities Australia*, cat. no. 7111.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra.

78 Australian production of wholemilk, by state <sup>a</sup>

	New South Wales ML	Victoria ML	Queensland ML	Western Australia ML	South Australia ML	Tasmania ML	Australia <sup>b</sup> ML
1960-61	1 452	2 713	967	266	396	290	6 089
1961-62	1 567	2 869	1 097	265	434	333	6 563
1962-63	1 473	3 035	1 114	255	434	357	6 673
1963-64	1 466	3 159	1 090	260	443	378	6 803
1964-65	1 327	3 391	1 047	281	465	397	6 914
1965-66	1 367	3 414	1 005	281	447	400	6 919
1966-67	1 468	3 622	1 083	253	449	416	7 295
1967-68	1 410	3 338	987	252	404	413	6 808
1968-69	1 268	3 715	781	265	467	464	6 965
1969-70	1 413	4 028	870	254	483	469	7 523
1970-71	1 237	4 062	770	256	470	450	7 249
1971-72	1 171	3 973	768	255	458	451	7 079
1972-73	1 177	3 945	737	242	424	424	6 952
1973-74	1 069	3 917	665	241	439	422	6 756
1974-75	958	3 745	658	246	426	461	6 497
1975-76	980	3 518	683	233	398	436	6 248
1976-77	943	3 212	624	215	355	423	5 772
1977-78	891	3 263	559	209	339	360	5 621
1978-79	906	3 283	570	213	332	365	5 669
1979-80	907	3 151	508	222	329	315	5 432
1980-81	840	3 065	495	214	319	289	5 223
1981-82	875	3 028	546	209	306	294	5 258
1982-83	905	3 164	564	221	340	322	5 516
1983-84	940	3 400	619	232	382	340	5 913
1984-85	940	3 516	616	243	372	346	6 033
1985-86	904	3 575	600	243	365	351	6 038
1986-87	906	3 692	601	248	374	352	6 173
1987-88	932	3 649	617	249	377	306	6 130
1988-89	923	3 792	626	245	370	334	6 290
1989-90	879	3 787	629	267	356	343	6 263
1990-91	857	3 907	626	283	366	363	6 403
1991-92	894	4 119	635	302	411	372	6 732
1992-93	997	4 456	702	326	434	413	7 327
1993-94	1 098	4 968	764	344	456	447	8 077
1994-95	1 087	5 114	740	343	485	437	8 206
1995-96	1 115	5 482	751	342	512	514	8 716
1996-97	1 192	5 634	797	349	535	529	9 036
1997-98	1 242	5 866	822	387	580	543	9 439
1998-99	1 285	6 414	827	403	646	603	10 178
1999-00	1 395	6 870	848	412	714	609	10 847
2000-01	1 326	6 777	760	393	699	590	10 545
2001-02	1 343	7 405	744	393	715	672	11 271
2002-03	1 301	6 584	719	399	733	585	10 326
2003-04	1 271	6 434	674	403	703	590	10 075
2004-05	1 218	6 613	619	396	679	600	10 125
2005-06	1 717	6 583	610	380	680	622	10 092

<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: Australian Dairy Corporation, *Monthly Statistics*, Melbourne.

## 79 Australian manufacture of dairy products

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
Butter <b>a</b>	189.0	181.6	172.3	178.4	164.5	148.9	146.7	145.8
Cheese	327.8	373.3	376.5	412.1	379.0	383.8	388.4	372.7
Non-cheddar	141.2	157.0	163.9	173.7	184.3	181.8	174.8	161.3
Cheddar	186.6	216.3	212.5	238.4	194.7	202.0	213.6	211.5
Wholemilk powder	144.8	186.7	205.4	238.7	198.3	186.9	189.2	158.3
Skim milk powder <b>b</b>	255.2	246.6	249.3	240.2	205.6	185.8	190.6	211.6
Casein	13.5	15.0	13.0	13.9	13.1	14.0	13.0	13.0
Buttermilk powder	17.0	17.8	15.8	18.0	16.6	16.6	16.7	15.9

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

Sources: Australian Dairy Corporation, *Monthly Statistics*, Melbourne; ABARE.

## 80 Australian consumption of dairy products

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
<b>Total consumption</b>								
Butter	kt	54.7	57.2	63.6	66.4	67.1	70.0	76.8
Margarine (table)	kt	83.0	82.7	82.8 <b>s</b>	84.0	82.9	84.0	88.9
Cheese <b>a</b>	kt	201.8	211.5	229.5	226.6	238.9	230.1	228.3
Australian	kt	170.8	179.5	192.9	188.7	195.4	189.7	186.2
Wholemilk powder	kt	17.0	14.9	14.0	21.5	21.7	24.0	22.2
Skim milk powder <b>b</b>	kt	33.9	36.8	36.9	37.1	37.5	38.0	38.4
Casein	kt	0.4	0.5	0.5	0.7	0.8	0.8	2.0
Market milk	ML	1 931	1 934	1 934	1 924	1 941	1 981	2 024
<b>Consumption per person</b>								
Butter	kg	2.9	3.0	3.3	3.4	3.4	3.5	3.8
Margarine (table)	kg	4.4	4.3	4.3	4.3	4.2	4.2	4.4
Cheese <b>a</b>	kg	10.7	11.1	11.9	11.6	12.1	11.5	11.3
Australian	kg	9.1	9.4	10.0	9.7	9.9	9.5	9.2
Wholemilk powder	kg	0.9	0.8	0.7	1.1	1.1	1.2	1.1
Skim milk powder <b>b</b>	kg	1.8	1.9	1.9	1.9	1.9	1.9	1.9
Market milk	L	102.4	101.5	100.3	98.5	98.3	99.0	100.2

**a** In natural equivalent weight. **b** Includes buttermilk powder and mixed skim milk powder. **s** ABARE estimate.

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

## 81 Australian milk prices and gross value of production

	Producer price <sup>a</sup>			Gross value of production		
	Manufacturing	Market	Weighted average	Manufacturing	Market	Total
	milk c/L	milk c/L		milk \$m	milk \$m	
1960-61	na	na	5.3	196	128	324
1961-62	na	na	5.1	205	132	337
1962-63	na	na	5.2	218	132	350
1963-64	na	na	5.4	228	139	367
1964-65	na	na	5.6	239	145	384
1965-66	4.3	9.3	5.5	232	150	381
1966-67	4.4	9.3	5.5	251	149	400
1967-68	4.2	9.4	5.4	215	154	370
1968-69	4.3	9.3	5.5	228	155	383
1969-70	4.3	9.6	5.5	253	161	414
1970-71	4.6	10.0	5.9	255	170	426
1971-72	5.2	10.6	6.5	285	173	458
1972-73	5.3	11.0	6.7	280	184	464
1973-74	5.3	11.8	7.0	271	196	468
1974-75	6.0	14.2	8.0	301	218	519
1975-76	5.5	16.1	8.1	252	238	490
1976-77	5.7	18.7	9.2	246	275	521
1977-78	7.3	17.2	9.9	259	295	553
1978-79	8.5	18.5	11.0	296	332	628
1979-80	9.7	20.0	12.5	309	367	676
1980-81	13.0	23.1	16.0	483	402	885
1981-82	15.4	26.2	18.6	561	473	1 034
1982-83	16.7	28.7	20.1	665	522	1 187
1983-84	15.7	29.8	19.4	656	497	1 153
1984-85	13.5	31.2	18.2	510	526	1 035
1985-86	14.7	32.8	19.6	580	527	1 107
1986-87	17.5	34.5	22.1	687	570	1 257
1987-88	19.3	36.2	23.9	805	586	1 391
1988-89	22.7	37.9	26.8	981	654	1 635
1989-90	18.3	39.7	28.6	1 059	691	1 749
1990-91	18.9 <sup>b</sup>	40.9	23.5	1 099	726	1 825
1991-92	19.7	43.2	24.5	1 188	772	1 960
1992-93	24.4	43.5	29.0	1 522	793	2 314
1993-94	23.0	46.2	28.2	1 620	829	2 448
1994-95	22.2	47.8	27.9	1 511	908	2 419
1995-96	26.0	49.9	31.1	1 898	951	2 848
1996-97	24.0	51.1	29.6	1 830	979	2 809
1997-98	23.9	52.0	29.4	1 839	979	2 817
1998-99	22.5	51.5	28.5	1 905	995	2 900
1999-00	22.0	52.3	26.2	1 961	1 011	2 972
2000-01	na <sup>c</sup>	na <sup>c</sup>	29.0	2 496	558	3 053
2001-02	na <sup>c</sup>	na <sup>c</sup>	33.0	3 093	625	3 717
2002-03	na <sup>c</sup>	na <sup>c</sup>	27.1	2 274	521	2 795
2003-04	na <sup>c</sup>	na <sup>c</sup>	27.9	2 253	555	2 809
2004-05	na <sup>c</sup>	na <sup>c</sup>	31.5	2 552	642	3 194
2005-06	na <sup>c</sup>	na <sup>c</sup>	33.1	2 657	684	3 340

<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> From 1990-91, manufacturing milk price is reported net of market support. <sup>c</sup> Since deregulation of farm gate milk prices from July 2000, manufacturing and market milk prices are no longer reported separately. **na** Not available.

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

## 82 Average retail prices of selected dairy products, by quarter

	Milk <sup>a</sup>		Cheese <sup>b</sup>		Butter <sup>c</sup>	
	Sydney c/L	Melbourne c/L	Sydney c/kg	Melbourne c/kg	Sydney c/kg	Melbourne c/kg
<b>1998</b>						
March	116	135	760	714	366	410
June	116	135	742	674	374	408
September	116	135	722	724	374	422
December	116	135	778	716	362	410
<b>1999</b>						
March	122	139	786	720	380	412
June	122	140	762	730	372	418
September	122	140	776	702	384	422
December	129	142	762	710	380	432
<b>2000</b>						
March	131	146	764	742	372	432
June	135	150	768	698	374	428
September	133	147	686	656	378	426
December	133	146	704	740	386	452
<b>2001</b>						
March	135	145	734	698	390	446
June	135	145	726	706	434	466
September	138	146	732	752	456	430
December	144	152	848	836	468	440
<b>2002</b>						
March	145	154	820	780	458	436
June	147	153	740	738	480	472
September	147	153	752	758	466	478
December	154	156	762	770	472	456
<b>2003</b>						
March	155	156	770	782	484	476
June	157	156	742	726	464	468
September	155	157	708	698	500	484
December	156	157	724	746	492	480
<b>2004</b>						
March	156	158	818	798	520	504
June	157	159	796	792	504	504
September	128	134	850	788	532	528
December	137	149	822	810	536	548
<b>2005</b>						
March	141	152	816	820	568	604
June	143	155	806	856	588	624
September	144	156	854	852	604	652
December	148	157	852	832	608	676
<b>2006</b>						
March	148	158	854	874	624	672
June	149	160	866	858	640	688

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

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

	Butter <sup>b</sup> \$/t	Cheese \$/t	Skim milk powder \$/t	Wholemilk powder \$/t	Casein \$/t
1960-61	638.07	502.73	na	na	356.32
1961-62	598.03	458.15	na	na	333.33
1962-63	604.17	462.12	na	na	318.84
1963-64	618.22	477.03	na	na	317.65
1964-65	687.76	514.49	na	na	367.47
1965-66	668.60	533.60	na	na	517.77
1966-67	606.74	590.73	281.19	585.94	420.35
1967-68	583.85	518.84	240.51	619.47	488.10
1968-69	523.26	545.10	152.50	544.12	409.09
1969-70	511.70	480.39	156.60	496.73	399.34
1970-71	515.57	504.11	184.74	500.00	431.23
1971-72	792.54	672.67	331.74	630.87	557.05
1972-73	783.82	733.11	389.58	738.46	726.67
1973-74	694.86	760.53	416.58	766.82	741.46
1974-75	954.80	1 011.70	649.25	1 007.35	1 032.79
1975-76	835.74	1 117.46	464.70	1 041.67	1 012.99
1976-77	1 123.89	1 070.48	323.37	866.67	832.43
1977-78	1 279.88	1 258.50	389.36	1 037.92	1 022.22
1978-79	1 249.44	1 336.58	540.98	1 104.07	1 366.41
1979-80	1 595.04	1 545.01	577.24	1 100.29	1 842.86
1980-81	1 875.00	1 925.93	1 000.00	1 613.64	2 476.19
1981-82	2 714.29	2 157.89	896.55	1 906.98	2 391.30
1982-83	2 411.76	2 444.44	918.92	2 057.14	2 941.18
1983-84	1 870.97	2 611.11	885.25	2 071.43	2 500.00
1984-85	1 617.02	2 432.84	849.46	1 900.00	2 285.71
1985-86	1 591.84	2 515.15	987.34	1 937.50	2 800.00
1986-87	1 757.58	2 645.16	1 126.58	2 047.62	3 285.71
1987-88	1 634.15	2 735.29	1 382.35	2 243.24	3 875.00
1988-89	1 970.32	2 990.35	2 245.10	2 650.20	6 340.49
1989-90	2 420.90	3 460.80	2 340.85	2 852.70	5 703.72
1990-91	1 967.87	3 203.04	1 783.98	2 193.05	4 178.16
1991-92	2 177.05	3 316.42	1 953.08	2 431.63	4 819.16
1992-93	2 240.51	3 693.29	2 553.84	2 918.19	6 878.72
1993-94	2 196.56	3 750.07	2 232.74	2 603.09	13 969.66
1994-95	2 076.10	3 448.84	2 292.65	2 471.42	6 876.40
1995-96	2 992.85	3 880.56	2 845.11	3 141.29	8 563.52
1996-97	2 000.87	3 702.17	2 462.28	2 778.68	6 027.01
1997-98	2 263.69	3 954.53	2 495.26	2 882.43	4 997.45
1998-99	2 510.24	3 967.28	2 253.39	2 883.26	5 274.02
1999-00	2 123.48	3 670.02	2 191.42	2 629.23	6 022.21
2000-01	2 418.54	4 342.15	3 425.69	3 464.29	9 039.84
2001-02	2 417.05	4 738.11	3 320.31	3 454.24	9 355.49
2002-03	2 013.80	3 844.32	2 242.50	2 681.01	6 257.54
2003-04	2 186.88	3 483.33	2 490.09	2 749.48	6 733.14
2004-05	2 712.84	3 849.87	2 984.89	3 094.28	9 058.69
2005-06	2 723.55	4 144.51	2 918.10	3 023.89	10 738.75

<sup>a</sup> Fob. <sup>b</sup> Commercial butter equivalent. na Not available.

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



## 84 Volume of Australian imports of cheese, by variety

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Volume</b>	kt	kt	kt	kt	kt	kt	kt
<b>Processed</b>							
Cheddar	5.43	4.50	7.83	11.72	11.75	13.35	14.25
Emmenthaler	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Gruyere	0.08	0.08	0.02	0.00	0.00	0.00	0.00
Other	6.90	8.87	3.29	0.45	0.31	0.20	0.40
<b>Natural</b>							
Blue vein	0.66	0.76	0.83	1.09	1.14	1.09	1.09
Camembert	0.32	0.36	0.21	0.19	0.25	0.25	0.21
Cheddar	10.92	13.47	15.91	19.24	18.09	18.83	22.88
Colby	1.18	1.47	1.79	1.89	2.00	1.72	2.09
Edam	0.75	0.75	1.00	0.94	1.05	0.97	0.86
Emmenthaler	0.13	0.18	0.15	0.00	0.00	0.00	0.00
Fetta	1.25	1.32	1.79	2.07	2.32	2.83	3.30
Gouda	0.51	0.44	0.59	0.36	0.77	0.39	0.50
Kasseri	0.15	0.12	0.14	0.15	0.12	0.12	0.10
Mozzarella	2.10	2.81	2.13	2.88	0.69	0.72	2.64
Parmesan	1.08	0.87	1.32	1.58	1.31	0.93	1.38
Provolone	0.26	0.34	0.31	0.26	0.35	0.38	0.39
Other	0.21	0.19	0.55	0.75	0.26	0.24	0.71
Total	31.96	36.54	37.87	43.57	40.41	42.02	50.80
<b>Unit value</b>	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg
<b>Processed</b>							
Cheddar	3.91	3.83	3.89	3.45	3.57	4.16	4.30
Emmenthaler	4.87	7.84	0.00	0.00	0.00	0.00	0.00
Gruyere	6.69	7.63	7.41	0.00	0.00	0.00	0.00
Other	3.92	4.04	4.68	8.69	10.02	13.01	8.08
<b>Natural</b>							
Blue vein	10.42	10.21	11.13	11.04	10.41	11.46	11.78
Camembert	9.06	9.64	10.07	10.62	9.87	10.53	10.35
Cheddar	3.36	3.26	3.76	3.05	2.97	3.61	3.78
Colby	3.75	3.59	3.76	3.22	2.98	4.11	4.28
Edam	4.17	4.31	4.61	4.34	4.08	4.82	5.05
Emmenthaler	6.18	7.03	7.33	0.00	0.00	0.00	0.00
Fetta	5.39	6.43	5.50	5.65	5.50	5.42	5.01
Gouda	5.55	4.71	4.37	5.80	4.26	6.11	5.81
Kasseri	8.01	9.02	7.99	9.51	9.19	9.56	9.12
Mozzarella	3.36	3.53	3.72	3.50	3.15	3.35	3.86
Parmesan	9.67	9.62	8.53	7.33	9.76	10.85	8.69
Provolone	8.19	8.64	9.20	9.62	9.13	9.13	9.07
Other	6.15	6.46	5.16	4.26	7.41	7.73	4.72
Average	4.19	4.13	4.41	3.87	3.93	4.48	4.48

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

## 85 Summary of world statistics for dairy products

	Production			Consumption		Exports <sup>a</sup>	
	Milk Mt	Butter kt	Cheese kt	Butter kt	Cheese kt	Butter kt	Cheese kt
1967	na	5 125	na	4 959	na	659	na
1968	336	5 281	5 128	5 007	5 074	730	701
1969	335	5 060	5 291	4 919	5 306	718	689
1970	336	5 047	5 744	5 000	5 751	924	747
1971	338	5 035	6 117	4 959	6 031	814	796
1972	346	5 377	6 553	5 012	6 379	690	805
1973	353	5 548	6 779	5 529	6 719	1 086	907
1974	360	5 214	7 147	5 409	6 941	977	973
1975	361	5 513	7 210	5 457	7 088	886	962
1976	367	5 600	2 298	5 513	7 512	981	1 099
1977	372	5 944	7 822	5 669	7 855	1 003	1 161
1978	377	5 997	8 172	5 627	8 113	1 038	1 271
1979	381	6 011	8 519	5 755	8 363	1 287	1 410
1980	386	6 174	8 193	5 882	7 728	1 328	1 450
1981	386	6 070	8 423	5 806	7 944	1 297	1 534
1982	398	6 361	8 805	5 687	8 425	1 312	1 484
1983	413	6 892	9 012	6 023	8 614	1 197	1 502
1984	413	6 834	9 167	6 157	8 860	1 337	1 701
1985	419	6 817	9 473	6 233	9 092	1 400	1 720
1986	426	7 102	9 764	6 376	9 479	1 310	1 733
1987	426	6 622	10 065	6 717	9 814	1 820	1 774
1988	429	6 567	10 490	6 785	10 149	1 888	1 855
1989	435	6 719	10 748	6 327	10 418	1 427	1 832
1990	442	6 824	10 915	6 262	10 581	1 104	1 997
1991	429	5 667	10 939	5 252	10 617	706	2 039
1992 <sup>b</sup>	380	5 470	10 931	5 245	10 569	694	2 051
1993	378	5 493	10 895	5 169	10 550	718	864
1994	378	5 221	11 194	5 109	10 897	688	917
1995	381	5 173	11 345	4 954	11 028	675	969
1996	364	5 134	11 059	4 833	10 565	641	941
1997	366	5 073	11 388	4 863	11 121	745	1 010
1998	374	5 216	11 378	4 910	11 190	625	907
1999	378	5 361	11 750	4 988	11 623	591	892
2000	382	5 561	12 437	5 355	12 096	712	1 068
2001	385	6 098	12 540	5 724	12 338	743	1 086
2002	392	6 514	12 953	6 018	12 601	743	1 157
2003	397	6 567	12 938	6 161	12 708	865	1 180
2004	404	6 627	13 524	6 253	13 255	904	1 241
2005	415	6 854	13 865	6 463	13 640	800	1 234

<sup>a</sup> Includes intra-EU trade up to and including 1993. <sup>b</sup> For years up to and including 1991, includes data for 38 selected major countries; from 1992, includes data for 31 major countries. **na** Not available.

Source: US Department of Agriculture, *Dairy: World Markets and Trade*, Foreign Agriculture Circular, Washington DC.

## 86 Milk production in selected regions and countries

	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt
<b>Americas</b>							
Canada	8 164	8 161	8 106	7 964	7 734	7 905	7 797
United States	73 750	75 929	74 994	77 140	77 290	77 535	80 282
<b>Asia</b>							
India	36 000	36 250	36 400	36 200	36 500	37 500	38 500
<b>Europe</b>							
European Union <b>a</b>	115 218	129 392	130 069	131 040	131 847	130 620	132 027
<b>Oceania</b>							
Australia <b>b</b>	10 178	11 172	10 864	11 608	10 636	10 377	10 429
New Zealand <b>c</b>	11 070	12 235	13 162	13 925	14 346	15 000	14 500
<b>Total <b>d</b></b>	380 277	386 769	391 409	402 266	406 378	412 337	421 328

**a** Regarded as fifteen countries to 1999, then twenty five countries from 2000. **b** Year ended 30 June. **c** Year ended 31 May. **d** Includes 31 major producing countries.

Source: US Department of Agriculture, *Dairy: World Markets and Trade, Foreign Agriculture Circular*, Washington DC.

## 87 Production of dairy products in selected regions and countries

	1998 kt	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt
<b>Butter</b>								
Australia <b>abc</b>	163	189	182	172	178	164	149	147
Europe								
Russian Federation	270	260	265	270	280	280	270	275
European Union <b>d</b>	1 721	1 731	1 995	2 021	2 226	2 226	2 154	2 155
Japan <b>e</b>	89	86	88	80	83	80	80	84
New Zealand <b>bcf</b>	343	316	344	352	380	405	418	341
United States	530	579	570	559	615	563	567	611
<b>Total</b>	5 296	5 474	5 762	6 098	6 514	6 567	6 627	6 854
<b>Cheese</b>								
Australia <b>a</b>	310	328	373	376	412	379	384	386
Europe								
Russian Federation	170	185	220	260	340	335	350	375
European Union <b>d</b>	5 151	5 290	5 861	5 865	5 993	6 100	6 371	6 500
Japan <b>f</b>	35	35	34	34	36	35	35	36
New Zealand <b>g</b>	266	245	297	281	312	301	305	291
United States	3 398	3 581	3 746	3 747	3 877	3 881	4 026	4 140
<b>Total</b>	11 378	12 016	12 499	12 602	13 019	13 013	13 539	13 888
<b>Skim milk powder</b>								
Australia <b>a</b>	215	255	247	249	240	203	184	189
Europe								
Russian Federation	170	130	125	130	140	145	125	110
European Union <b>d</b>	1 092	1 108	1 322	1 215	1 369	1 326	1 066	1 094
Japan	202	192	194	175	183	183	183	187
New Zealand <b>g</b>	215	203	197	227	255	289	274	225
United States	515	617	659	641	724	721	638	740
<b>Total</b>	3 055	3 183	3 399	3 402	3 676	3 655	3 318	3 416

**a** Year ended 30 June. **b** Includes butter anhydrous milk fat and ghee. **c** Factory production only. **d** Regarded as fifteen countries to 1999, then twenty five countries from 2000. **e** Year ended 31 March. **f** Year ended 31 May. **g** Includes imported unprocessed cheese which is blended with domestically produced cheese.

Sources: Australian Dairy Corporation, *Monthly Statistics*, Melbourne; Agriculture and Livestock Industries Corporation, *Monthly Statistics*, Tokyo; Ministry of Agriculture and Fisheries, *Situation and Outlook for New Zealand Agriculture*, Wellington; US Department of Agriculture, *Dairy: World Markets and Trade, Foreign Agriculture Circular*, Washington DC; ABARE.

## 88 Volume of exports of dairy products, by selected countries

	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Butter</b>								
Australia <b>ab</b>	105	117	137	120	123	111	83	69
European Union <b>c</b>								
Net exports	168	161	185	196	222	307	354	340
New Zealand <b>ab</b>	315	279	338	347	353	399	400	316
Russian Federation	6	3	3	3	5	5	5	5
Ukraine	10	8	31	53	15	18	42	30
United States	3	2	4	3	3	10	8	8
<b>Cheese</b>								
Australia <b>a</b>	153	175	220	219	218	208	212	227
European Union <b>c</b>								
Net exports	419	376	483	485	516	514	516	490
New Zealand <b>ab</b>	232	240	253	251	277	290	289	265
Switzerland	57	60	54	53	50	50	51	50
<b>Skim milk powder</b>								
Australia <b>a</b>	178	220	218	203	210	181	155	141
Canada	34	41	32	46	49	36	16	6
European Union <b>c</b>								
Net exports	175	272	453	284	267	339	283	179
New Zealand <b>ad</b>	197	205	175	195	248	314	305	221
United States	104	217	142	96	126	141	231	300

**a** Year ended 30 June. **b** Includes butter, anhydrous milk fat and ghee. **c** Regarded as fifteen countries to 1999, then twenty five countries from 2000. Excludes intra-EU trade. **d** Skim milk and buttermilk powder.

Sources: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra; Ministry of Agriculture and Fisheries, *Situation and Outlook for New Zealand Agriculture*, Wellington; US Department of Agriculture, *Dairy: World Markets and Trade, Foreign Agriculture Circular*, Washington DC; ABARE.

## 89 Volume of imports of dairy products, by selected countries

	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Butter</b>								
European Union <b>a</b>	95	105	88	93	92	92	93	85
Japan	1	0	0	0	4	13	7	6
Poland	1	8	12	3	5	5	6	7
Russian Federation	150	55	60	110	120	160	170	110
Switzerland	4	5	7	6	2	2	1	1
Ukraine	0	3	1	2	1	0	0	0
<b>Cheese</b>								
Canada	23	25	29	27	28	24	24	25
European Union <b>a</b>	124	142	134	142	116	127	106	95
Japan	184	187	205	202	204	194	219	212
United States	156	195	186	198	214	216	214	209
<b>Skim milk powder</b>								
European Union <b>a</b>	66	73	64	48	30	56	26	7
India	1	18	17	0	0	0	15	0
Japan	57	57	52	53	44	43	37	34
Mexico	93	123	129	141	132	173	170	172
Peru	11	13	13	13	9	9	8	6

**a** Regarded as fifteen countries to 1999, then twenty five countries from 2000. Excludes intra-EU trade.

Sources: US Department of Agriculture, *Dairy: World Markets and Trade, Foreign Agriculture Circular*, Washington DC.

## 90 Stocks of dairy products in principal producing countries

	1998 kt	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt
<b>Butter</b>								
Australia <sup>a</sup>	16	21	14	6	2	2	8	14
Canada	9	14	15	20	13	13	15	19
European Union <sup>b</sup>	272	295	136	151	248	276	232	184
New Zealand <sup>c</sup>	86	93	72	50	51	31	23	23
United States	12	11	11	25	72	45	20	25
Total	493	544	322	315	451	421	342	308
<b>Cheese</b>								
Australia <sup>a</sup>	88	77	65	58	73	55	51	26
Canada	44	42	46	49	52	59	59	60
European Union <sup>b</sup>	0	0	0	0	0	0	0	0
New Zealand <sup>c</sup>	41	13	34	43	51	36	26	26
United States	235	282	322	301	332	337	322	320
Total	528	511	559	553	604	572	518	499
<b>Skim milk powder</b>								
Australia <sup>a</sup>	29	19	2	18	16	7	5	19
Canada	12	6	17	19	8	23	41	38
European Union <sup>b</sup>	326	280	51	45	188	218	77	8
New Zealand <sup>c</sup>	67	54	71	98	100	70	35	35
United States	69	113	288	408	521	445	232	65
Total	693	667	633	792	1 018	925	551	324

<sup>a</sup> Year ending 30 June. <sup>b</sup> Regarded as fifteen countries to 1999, then twenty five countries from 2000. <sup>c</sup> Year ending 31 May.  
Source: US Department of Agriculture, *Dairy: World Markets and Trade, Foreign Agriculture Circular*, Washington DC.

## 91 Major components of Australian farm costs

	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Materials and services</b>								
Fuel	1 123	1 060	1 107	1 091	1 120	1 188	1 236	1 360
Fertiliser	941	1 024	1 065	1 244	1 378	1 651	1 760	1 805
Chemicals	866	924	993	1 059	1 139	1 349	1 480	1 497
Seed and fodder	2 354	2 600	2 396	2 437	3 131	2 928	2 801	2 948
Marketing	2 094	2 059	2 268	2 306	1 955	2 519	2 923	2 726
Repairs and maintenance	1 572	1 522	1 580	1 706	1 768	1 920	2 003	2 011
Other	3 142 <sup>a</sup>	2 606	2 591	2 828	3 064	2 937	2 954	2 920
Total	12 092	11 795	12 000	12 671	13 555	14 492	15 157	15 266
<b>Other costs</b>								
Wages	2 352	2 230	2 284	2 445	2 667	2 738	2 983	2 976
Interest paid	2 462	2 220	1 838	1 695	2 069	2 182	2 180	1 976
Other overheads	315	276	303	337	344	356	360	360
Total	5 129	4 726	4 425	4 477	5 080	5 276	5 523	5 313
<b>Total cash costs</b>	<b>17 221</b>	<b>16 521</b>	<b>16 425</b>	<b>17 148</b>	<b>18 635</b>	<b>19 769</b>	<b>20 680</b>	<b>20 579</b>
<b>Depreciation</b>	<b>2 947</b>	<b>2 871</b>	<b>2 915</b>	<b>3 039</b>	<b>3 073</b>	<b>3 144</b>	<b>3 230</b>	<b>3 306</b>
<b>Total farm costs</b>	<b>20 168</b>	<b>19 392</b>	<b>19 340</b>	<b>20 187</b>	<b>21 708</b>	<b>22 913</b>	<b>23 910</b>	<b>23 885</b>
	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06 <sup>s</sup>
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Materials and services</b>								
Fuel	1 230	1 450	1 671	1 580	1 520	1 626	1 765	2 203
Fertiliser	1 906	1 840	1 920	1 980	1 820	1 827	1 851	1 729
Chemicals	1 576	1 604	1 664	1 760	1 550	1 649	1 691	1 749
Seed and fodder	2 974	2 847	3 072	3 226	4 874	4 317	4 267	3 860
Marketing	2 901	3 144	3 198	3 395	2 433	3 567	3 433	3 639
Repairs and maintenance	2 154	2 150	2 262	2 328	2 392	2 453	2 493	2 602
Other	2 916	3 017	3 184	3 339	3 329	3 378	3 473	3 685
Total	15 657	16 052	16 971	17 608	17 918	18 817	18 974	19 467
<b>Other costs</b>								
Wages	3 133	3 250	3 360	3 367	3 226	3 588	3 661	3 778
Interest paid	1 917	2 023	2 249	2 087	2 295	2 448	2 579	2 716
Other overheads	364	372	389	400	412	422	432	446
Total	5 414	5 645	5 998	5 854	5 933	6 458	6 672	6 940
<b>Total cash costs</b>	<b>21 071</b>	<b>21 697</b>	<b>22 969</b>	<b>23 463</b>	<b>23 851</b>	<b>25 275</b>	<b>25 646</b>	<b>26 408</b>
<b>Depreciation</b>	<b>3 439</b>	<b>3 526</b>	<b>3 687</b>	<b>3 796</b>	<b>3 915</b>	<b>4 017</b>	<b>4 122</b>	<b>4 255</b>
<b>Total farm costs</b>	<b>24 511</b>	<b>25 223</b>	<b>26 657</b>	<b>27 258</b>	<b>27 766</b>	<b>29 292</b>	<b>29 768</b>	<b>30 663</b>

<sup>a</sup> The large increase in 1990-91 was caused by the sharp rise in the wool tax. <sup>s</sup> ABARE estimate.

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

## 92 Indexes of prices paid by farmers in Australia

	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97
<b>Materials and services</b>									
Seed, fodder and livestock									
Seed, seedlings and plants	80.6	82.3	82.5	85.3	87.6	88.9	95.7	101.1	99.2
Fodder and feedstuffs	76.6	79.0	75.5	80.5	78.5	79.9	92.2	101.4	98.9
Store and breeding stock	92.3	88.6	82.0	79.7	78.8	95.0	96.7	96.1	89.4
Total	81.7	81.8	77.6	80.5	79.1	85.1	93.9	100.2	96.6
Fertiliser	76.9	82.4	85.0	90.3	88.7	87.1	89.6	98.2	99.2
Chemicals and medicines	91.2	93.2	96.4	97.5	98.0	97.2	97.9	98.1	99.0
Fuel and lubricants	80.4	91.6	106.0	99.6	104.1	100.5	96.6	100.4	104.9
Electricity	90.4	93.4	96.7	100.4	101.8	100.9	98.3	97.7	99.4
<b>Maintenance</b>									
Plant and equipment	67.7	72.9	79.3	83.6	86.7	89.9	92.5	95.3	97.6
Structures	73.8	79.8	84.9	87.5	89.4	91.0	92.5	94.6	95.4
Total	69.6	75.0	81.0	84.8	87.5	90.2	92.5	95.1	96.9
Contracts	76.4	81.0	86.5	90.0	92.8	95.6	97.3	98.4	99.6
Other materials and services	79.4	85.7	90.2	91.2	92.4	94.1	96.8	100.1	100.0
Total	79.5	83.2	85.3	87.4	87.8	90.2	94.2	98.7	98.6
<b>Labor</b>	73.5	78.9	82.7	86.5	89.7	91.0	92.3	95.1	97.0
<b>Marketing</b>									
Freight outwards	87.5	90.9	95.5	96.9	97.9	98.5	98.5	98.5	98.6
Selling expenses	83.0	85.5	85.7	86.9	86.7	89.3	91.7	95.6	95.5
Total	83.8	86.4	87.4	88.7	88.7	91.0	92.9	96.2	96.1
<b>Overheads</b>									
Interest paid	169.6	199.9	170.3	139.6	107.4	100.2	113.2	127.9	117.0
Rates and taxes	73.2	80.4	87.4	89.3	91.5	92.0	94.2	92.2	95.6
Insurance	53.7	62.0	64.8	64.2	67.0	71.3	74.3	90.8	98.1
Other overheads	75.6	80.6	85.2	92.3	94.1	95.7	96.8	99.2	100.5
Total	110.6	126.7	120.1	109.6	96.9	94.6	101.6	109.3	106.5
<b>Capital items</b>									
Plant and equipment	77.0	80.5	82.3	83.9	87.4	91.7	94.3	97.3	99.0
Structures	75.5	81.9	87.5	89.5	91.7	93.4	94.8	95.8	96.7
Total	76.8	80.7	83.0	84.6	88.0	91.9	94.4	97.1	98.7
<b>Total prices paid</b>	84.4	90.1	90.9	90.8	89.5	91.1	95.0	99.5	99.4
Excluding capital items	85.3	91.3	91.9	91.6	89.8	91.1	95.1	99.8	99.5
Excluding capital and overheads	79.0	82.9	85.1	87.4	88.2	90.4	93.6	97.7	98.0
Excluding seed, fodder and store and breeding stock	85.1	92.1	94.0	93.2	92.0	92.6	95.2	99.3	99.9

Continued

92 Indexes of prices paid by farmers in Australia *continued*

	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Materials and services</b>									
Seed, fodder and livestock									
Seed, seedlings and plants	100.0	100.6	102.7	105.2	112.9	118.3	104.9	97.6	92.7
Fodder and feedstuffs	100.0	91.9	90.0	93.6	105.5	167.5	148.3	140.4	140.4
Store and breeding stock	100.0	100.9	105.0	126.0	145.3	125.9	144.0	159.5	163.2
Total	100.0	94.9	95.0	103.1	116.5	150.3	142.0	140.5	141.0
Fertiliser	100.0	102.7	99.8	106.4	104.3	104.5	103.6	108.8	111.6
Chemicals and medicines	100.0	100.4	101.6	103.3	105.6	108.0	110.0	111.9	114.6
Fuel and lubricants	100.0	104.1	148.6	144.1	128.3	127.0	144.3	167.2	208.7
Electricity	100.0	100.7	100.2	99.9	100.4	100.5	100.0	101.3	103.5
Maintenance									
Plant and equipment	100.0	102.3	106.1	112.0	115.2	118.4	121.4	124.6	128.6
Structures	100.0	102.8	104.6	109.3	112.5	115.7	119.1	122.7	126.4
Total	100.0	102.3	105.6	111.1	114.3	117.5	120.6	123.9	127.8
Contracts	100.0	104.3	107.9	114.4	117.7	120.9	123.8	126.8	130.8
Other materials and services	100.0	102.3	104.2	108.9	112.1	115.5	118.3	121.1	125.0
Total	100.0	99.9	104.2	109.3	113.1	125.6	125.3	128.7	134.3
<b>Labor</b>	100.0	103.7	107.1	110.1	113.3	117.9	121.6	125.7	129.7
<b>Marketing</b>									
Freight outwards	100.0	100.3	102.5	107.0	110.1	113.5	116.3	119.0	122.9
Selling expenses	100.0	102.8	105.2	109.3	112.5	116.0	118.8	121.6	125.5
Total	100.0	102.7	105.0	109.3	112.4	115.9	118.7	121.5	125.4
<b>Overheads</b>									
Interest paid	100.0	90.6	98.8	111.2	104.2	110.7	118.1	123.7	130.6
Rates and taxes	100.0	102.1	107.1	112.4	115.5	119.1	121.9	124.8	128.8
Insurance	100.0	102.8	105.1	109.8	118.6	124.5	128.8	131.9	135.1
Other overheads	100.0	103.1	104.1	108.7	111.9	115.4	118.1	121.0	124.8
Total	100.0	96.6	102.5	111.3	109.9	115.2	120.6	125.0	130.4
<b>Capital items</b>									
Plant and equipment	100.0	103.3	106.6	112.7	116.0	119.2	122.2	125.4	129.5
Structures	100.0	101.7	103.8	108.9	112.0	115.3	118.6	122.2	125.8
Total	100.0	103.0	106.1	111.9	115.2	118.3	121.3	124.4	128.4
<b>Total prices paid</b>	100.0	100.6	104.7	110.1	112.9	121.3	123.0	126.6	131.6
Excluding capital items	100.0	100.1	104.4	109.7	112.4	121.6	123.2	126.8	131.9
Excluding capital and overheads	100.0	100.9	104.8	109.4	113.0	123.0	123.7	127.2	132.3
Excluding seed, fodder and store and breeding stock	100.0	101.6	106.5	111.4	112.1	115.4	119.2	123.8	129.8

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

Source: ABARE.



## 93 Indicative interest rates for the Australian farm sector

	Australian broadacre farms <sup>a</sup> %	Major trading banks	
		Overdrafts for small businesses <sup>b</sup> %	90 day bank bills %
1970-71		na	8.15
1971-72		na	5.75
1972-73		na	6.40
1973-74		na	8.80
1974-75		na	8.80
1975-76		10.25	10.45
1976-77		10.25	11.10
1977-78		10.25	10.80
1978-79	8.88	9.75	10.35
1979-80	9.24	10.25	13.85
1980-81	10.09	12.00	16.00
1981-82	11.48	14.50	18.75
1982-83	11.35	13.60	13.60
1983-84	12.02	13.60	12.80
1984-85	12.48	15.00	16.50
1985-86	15.45	17.40	14.80
1986-87	15.56	16.85	13.35
1987-88	13.86	15.25	13.15
1988-89	14.28	19.75	18.30
1989-90	16.67	18.70	15.05
1990-91	14.12	14.35	10.45
1991-92	12.02	10.90	6.40
1992-93	9.67	9.75	5.25
1993-94	9.29	9.30	5.45
1994-95	9.67	11.10	7.55
1995-96	10.43	11.25	7.57
1996-97	9.20	9.50	5.35
1997-98	8.30	7.70	5.32
1998-99	7.80	7.45	4.93
1999-00	8.00	9.15	6.23
2000-01	8.70	8.25	4.97
2001-02	7.91	8.35	5.07
2002-03	7.56	8.35	4.67
2003-04	8.01	8.85	5.49
2004-05	8.29	9.10	5.66
2005-06	na	9.35	5.96

<sup>a</sup> Estimated average rate paid by all broadacre farms on all farm business debt for the year ended 30 June. <sup>b</sup> Refers to the midpoint of a range of rates which apply to the lowest risk borrowers for a range of banks. In practice many borrowers pay an additional risk margin.

na Not available.

Sources: Reserve Bank of Australia; ABARE.

## 94 Rural indebtedness to financial institutions

	All banks <sup>a</sup>	Other government agencies <sup>b</sup>	Pastoral and other finance companies	Other farm debt <sup>c</sup>	Total rural debt
	\$m	\$m	\$m	\$m	\$m
1980-81	3 161	801	325	na	na
1981-82	3 418	842	384	na	na
1982-83	3 980	1 049	385	na	na
1983-84	4 284	1 139	495	na	na
1984-85	5 254	1 230	601	na	na
1985-86	5 976	1 220	739	na	na
1986-87	5 705	1 515	1 345	na	na
1987-88	6 023	1 664	1 195	1 250	10 133
1988-89	7 430	1 803	1 503	1 350	12 085
1989-90	8 514	1 910	1 523	1 410	13 356
1990-91	8 666	1 877	1 205	1 436	13 184
1991-92	9 158	1 856	1 379	1 460	13 853
1992-93	10 049	1 879	1 041	1 580	14 549
1993-94	13 722	1 909	1 150	1 631	18 412
1994-95	14 485	1 872	1 368	1 690	19 415
1995-96	16 351	735	1 720	1 792	20 597
1996-97	17 466	698	2 065	1 760	21 988
1997-98	18 566	609	1 979	1 810	22 964
1998-99	20 085	661	1 093	1 852	23 692
1999-00	23 240	663	2 527	1 901	28 331
2000-01	25 174	701	2 639	1 920	30 434
2001-02	26 829	711	2 691	1 967	32 198
2002-03	28 957	739	1 628	2 017	33 341
2003-04	34 115	751	3 379	2 067	40 313
2004-05	39 261	820	3 112	na	na
2005-06	43 546	891	3 352	na	na

<sup>a</sup> Derived from all banks lending to agriculture, fishing and forestry. <sup>b</sup> 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. <sup>c</sup> Includes loans from life insurance companies, lease agreements and indebtedness to hire purchase companies, trade creditors, private lenders and small financial institutions. **na** Not available.

Sources: Reserve Bank of Australia, *Estimated Rural Debt to Specified Lenders*, Bulletin Statistical Table D9; ABARE.

## 95 Australian tractor sales, by type

	By power segment, by volume <sup>a</sup>				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
1989-90	2 345	6 867	1 291	10 503	na	na	na	na
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	1 048	4 806	1 335	7 189	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	24	337	420	781
1999-00	1 192	4 683	2 139	8 014	27	312	365	704
2000-01	1 251	4 395	1 816	7 462	29	306	333	669
2001-02	1 340	5 450	1 898	8 688	31	403	373	808
2002-03	1 365	5 733	2 103	9 201	30	418	415	863
2003-04	1 965	5 980	2 655	10 600	41	434	516	991
2004-05	2 357	6 898	3 068	12 323	48	499	612	1 159
2005-06	2 724	7 275	2 547	12 546	54	509	498	1 061
<b>2003 quarter</b>								
March	342	1 149	636	2 127	7	85	128	220
June	383	1 680	795	2 858	8	125	160	293
September	385	1 328	395	2 108	8	96	71	175
December	591	1 716	519	2 826	12	122	100	234
<b>2004 quarter</b>								
March	523	1 244	868	2 635	11	92	173	276
June	466	1 692	873	3 031	10	124	172	305
September	473	1 572	606	2 651	10	114	117	241
December	661	1 919	611	3 191	14	139	116	269
<b>2005 quarter</b>								
March	645	1 524	873	3 042	13	109	179	301
June	578	1 883	978	3 439	12	136	199	348
September	517	1 750	525	2 792	11	121	102	234
December	811	1 926	521	3 258	16	135	98	249
<b>2006 quarter</b>								
March	743	1 617	764	3 124	14	114	154	283
June	653	1 982	737	3 372	13	138	144	295
September	na	na	na	na	na	na	na	na

<sup>a</sup> Tractor power ratings refer to power takeoff, power in kilowatts. **na** Not available.  
Source: Tractor and Machinery Association of Australia, Melbourne.

## 96 Value of Australian trade in selected farm machinery

	Imports <sup>a</sup>				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
1971-72	22 081	541	1 859	196	513	2 120	4 696	256
1972-73	36 711	466	4 346	289	662	2 550	8 260	1 030
1973-74	41 606	1 008	9 495	572	411	3 016	9 453	1 111
1974-75	84 148	2 787	21 815	674	790	6 975	15 628	2 247
1975-76	116 290	3 215	21 164	665	2 440	5 889	12 080	626
1976-77	149 663	8 275	38 867	1 177	946	3 314	16 954	747
1977-78	110 697	8 338	46 932	1 744	1 165	4 775	8 888	2 293
1978-79	111 518	7 991	37 021	1 759	2 064	2 178	10 431	873
1979-80	169 008	10 472	62 964	2 316	3 742	2 578	12 268	1 481
1980-81	198 398	11 206	83 650	3 847	8 053	3 733	24 308	9 009
1981-82	260 771	14 252	89 061	3 362	6 638	6 224	12 897	4 002
1982-83	149 386	8 558	52 568	2 529	7 852	2 157	11 357	2 036
1983-84	174 936	10 585	109 281	3 516	4 804	1 935	4 764	2 236
1984-85	241 827	16 372	119 629	4 074	2 201	1 215	6 635	2 578
1985-86	198 476	9 822	68 493	3 555	7 352	1 268	13 745	5 945
1986-87	58 178	4 333	22 588	1 969	5 255	767	8 660	1 333
1987-88	124 132	7 528	39 628	4 189	2 892	1 214	18 183	609
1988-89	231 995	13 269	76 583	5 567	1 096	1 614	8 036	406
1989-90	268 895	22 090	96 195	5 913	1 301	1 107	12 059	886
1990-91	101 532	11 881	64 362	4 045	1 711	2 347	6 832	296
1991-92	91 061	8 631	43 394	4 002	890	2 446	11 295	841
1992-93	178 920	13 291	72 578	5 011	1 306	1 946	17 896	1 069
1993-94	245 154	15 220	118 227	6 835	1 112	2 704	31 541	782
1994-95	312 964	17 534	142 110	10 342	1 551	1 664	32 451	1 517
1995-96	366 038	25 448	170 307	14 505	1 524	2 896	43 088	1 504
1996-97	454 201	29 511	253 428	22 501	1 192	2 498	32 400	1 906
1997-98	512 157	30 278	243 655	30 525	995	1 391	33 946	1 269
1998-99	515 845	30 345	241 217	24 967	1 261	2 439	31 099	1 074
1999-00	416 136	30 127	229 839	24 214	1 223	2 666	29 748	402
2000-01	376 921	20 521	228 927	19 085	2 591	4 712	22 866	1 206
2001-02	477 563	25 789	161 079	29 197	4 416	2 211	44 996	1 144
2002-03	504 775	24 851	225 770	31 722	2 507	990	26 890	2 358
2003-04	596 319	31 176	249 504	33 546	1 512	773	21 512	1 393
2004-05	664 085	31 042	278 636	39 942	10 438	1 010	5 451	1 211
2005-06	567 629	26 697	236 230	28 691	11 203	1 660	2 879	529

<sup>a</sup> Fob at the port of origin.

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

## 97 Australian fertiliser prices, by type <sup>a</sup>

	Single superphosphate <sup>b</sup> \$/t	Diammonium phosphate <sup>b</sup> \$/t	Ammonium sulphate <sup>c</sup> \$/t	Potassium chloride <sup>c</sup> \$/t	Urea <sup>c</sup> \$/t	Index of prices paid for fertiliser <sup>d</sup>
1970	na	na	na	na	na	9.4
1971	16.18	na	40.41	69.10	79.24	11.6
1972	16.87	na	40.09	69.32	80.62	11.6
1973	16.99	na	40.79	68.80	81.44	11.6
1974	19.20	113.00	61.00	83.80	87.20	13.7
1975	54.60	na	103.00	103.40	120.60	30.8
1976	55.60	215.40	105.00	128.60	140.60	27.3
1977	53.16	135.00	91.80	109.45	153.95	28.0
1978	59.04	na	104.32	111.89	175.21	29.4
1979	56.76	247.80	112.06	117.54	185.16	32.1
1980	70.74	296.60	128.71	145.14	245.64	39.0
1981	83.40	337.60	149.14	176.42	274.23	46.5
1982	92.84	337.60	156.53	187.02	269.18	51.3
1983	101.42	334.00	155.64	180.50	261.11	52.6
1984	105.11	322.95	175.92	206.60	286.30	56.0
1985	118.46	342.17	218.19	267.29	321.50	62.2
1986	131.00	378.00	209.00	271.00	280.00	68.3
1987	128.00	339.00	211.00	279.00	276.00	67.0
1988	132.70	379.00	212.20	294.15	303.00	68.3
1989	155.40	396.00	229.40	328.70	339.70	76.9
1990	165.80	364.70	259.50	341.00	324.00	82.4
1991	177.10	389.00	276.00	361.80	390.00	85.0
1992	180.00	385.20	289.60	368.70	380.70	90.3
1993	173.00	368.80	293.10	367.50	389.70	88.7
1994	174.50	343.80	298.40	373.50	382.90	87.1
1995	179.10	417.30	319.20	372.30	455.90	89.6
1996	184.20	449.30	325.90	369.20	479.60	98.2
1997	179.17	460.25	317.88	362.75	434.80	99.2
1998	196.50	497.83	343.00	409.17	380.60	100.0
1999	197.00	487.83	339.25	437.50	333.80	102.7
2000	197.80	441.50	361.00	474.75	371.60	99.8
2001	209.83	475.25	377.25	511.25	443.60	106.4
2002	220.00	462.00	404.00	402.00	378.33	104.3
2003	240.00	454.33	399.00	412.50	363.33	104.5
2004	227.33	466.67	395.00	387.00	377.33	103.6
2005	226.67	477.33	393.00	434.00	445.00	108.8
2006	235.90	532.40	425.00	445.10	478.17	111.6

<sup>a</sup> Average price paid by Australian farmers at 30 June. <sup>b</sup> Bulk. <sup>c</sup> Bagged. <sup>d</sup> Based on a 4 quarter average for the year ending 30 June. **na** Not available.

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

## 98 World fertiliser indicator prices

	Phosphate rock <sup>a</sup>	Sulphur <sup>b</sup>	Diam- monium phosphate <sup>c</sup>	Triple super- phosphate <sup>c</sup>	Ammonia <sup>d</sup>	Urea <sup>d</sup>	Potash <sup>e</sup>
	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t
1991-92	56.0	83.0	211.0	159.0	148.0	190.0	144.0
1992-93	61.0	57.0	185.0	172.0	135.0	191.0	161.0
1993-94	55.0	47.0	223.0	195.0	219.0	192.0	164.0
1994-95	49.7	75.2	270.0	216.3	335.0	258.6	152.6
1995-96	49.9	63.2	300.7	229.5	262.6	273.4	149.0
1996-97	46.8	41.8	264.9	246.3	278.1	239.4	144.3
1997-98	53.9	44.8	302.2	279.7	233.0	190.3	166.2
1998-99	75.1	40.9	326.2	296.3	192.9	168.4	179.9
1999-00	74.8	64.1	268.4	242.8	226.6	190.1	178.9
2000-01	87.4	56.5	310.6	283.2	429.5	310.7	209.2
2001-02	89.8	46.5	298.8	262.4	286.2	216.5	214.9
2002-03	80.7	80.4	312.4	277.9	357.3	253.5	193.2
2003-04	66.5	101.8	305.4	260.0	397.0	268.9	159.1
2004-05	62.6	96.0	337.8	274.5	417.4	343.9	192.4
2005-06	63.1	103.1	388.4	297.5	504.7	351.1	218.1
<b>2001 quarter</b>							
March	88.2	54.1	324.1	295.5	541.3	379.6	211.1
June	91.5	37.7	311.6	293.0	415.1	288.0	219.1
September	91.3	33.3	289.0	243.7	353.3	213.0	218.5
December	88.2	64.8	319.8	294.9	413.9	296.6	211.2
<b>2002 quarter</b>							
March	90.7	47.9	316.3	284.3	253.1	213.4	217.1
June	85.3	62.9	292.1	261.5	258.5	206.8	204.2
September	85.8	66.6	324.2	294.0	265.2	243.4	205.3
December	84.2	72.6	306.1	272.9	322.6	240.6	201.6
<b>2003 quarter</b>							
March	79.3	68.4	302.0	260.8	396.0	269.5	189.9
June	73.5	114.2	317.4	284.0	445.6	260.5	176.0
September	71.5	109.5	305.0	267.0	393.9	276.0	171.1
December	67.0	102.6	276.9	244.4	392.6	274.3	160.3
<b>2004 quarter</b>							
March	61.5	94.2	311.7	260.4	428.0	256.6	147.3
June	65.9	101.0	328.2	267.9	373.5	268.9	157.8
September	66.4	101.7	347.4	271.9	420.3	325.8	174.6
December	62.2	95.4	345.0	278.6	437.9	347.2	199.1
<b>2005 quarter</b>							
March	60.5	92.7	325.6	270.2	376.2	327.9	196.4
June	61.3	93.8	332.1	276.3	433.9	373.5	198.8
September	62.0	99.6	376.7	296.5	432.5	357.8	201.1
December	63.3	104.0	394.1	300.6	565.4	363.7	218.8
<b>2006 quarter</b>							
March	63.8	104.9	392.1	302.7	532.6	351.4	227.5
June	63.1	103.7	390.8	290.2	488.5	331.4	225.0
September	62.1	79.0	384.3	292.2	369.0	316.5	243.5

<sup>a</sup> US Gulf 68 BPL for the period to June 30 1998. Data after June 1998 refer to Jordan 70-74 BPL. <sup>b</sup> Vancouver spot. <sup>c</sup> Fob US Gulf. <sup>d</sup> 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. <sup>e</sup> Vancouver standard muriate.

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

## 99 Australian fertiliser consumption, by element

	Phosphate (P <sub>2</sub> O <sub>5</sub> ) kt	Nitrogen (N) kt	Potash (K <sub>2</sub> O) kt
1986-87	871.8	332.5	135.7
1987-88	842.5	363.1	147.4
1988-89	790.5	392.6	160.8
1989-90	578.9	440.3	162.6
1990-91	580.0	439.4	145.4
1991-92	680.2	462.4	142.1
1992-93	801.4	488.0	145.2
1993-94	790.5	548.0	172.6
1994-95	950.0	564.5	201.2
1995-96	977.5	671.3	219.0
1996-97	1 016.0	824.6	196.5
1997-98	1 148.1	839.4	249.0
1998-99	1 058.7	940.7	223.0
1999-00	1 034.9	1 099.4	206.9
2000-01	1 096.6	1 002.0	202.6
2001-02	1 178.7	1 082.0	250.0
2002-03	1 064.1	986.4	259.5
2003-04	1 026.0	1 005.0	268.1
2004-05	1 185.0	1 105.6	297.9
2005-06	na	na	na

na Not available.

Sources: FAO, *World Fertilisers Year Book*, Rome; Incitec Ltd, Queensland; ABARE.

## 100 Volume of Australian imports of fertiliser, by element

	Phosphate (P <sub>2</sub> O <sub>5</sub> ) kt	Nitrogen (N) kt	Potash (K <sub>2</sub> O) kt
1986-87	176.5	153.8	136.9
1987-88	146.3	154.2	165.5
1988-89	249.9	204.8	179.9
1989-90	305.0	257.2	173.0
1990-91	306.0	270.1	147.2
1991-92	331.6	257.2	145.4
1992-93	464.1	308.6	153.7
1993-94	447.3	392.2	179.1
1994-95	516.0	406.8	219.6
1995-96	604.1	469.3	218.6
1996-97	644.5	597.7	196.9
1997-98	713.7	654.7	258.9
1998-99	696.5	695.1	213.0
1999-00	667.7	842.1	211.9
2000-01	637.1	703.4	207.5
2001-02	588.7	749.4	250.0
2002-03	545.1	645.6	259.5
2003-04	546.1	682.3	268.1
2004-05	706.3	795.9	297.9
2005-06	506.1	617.5	242.1

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; FAO, *World Fertilisers Year Book*, Rome; Incitec Ltd, Queensland; ABARE.

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

	Sulphur		Phosphate rock						Total kt
	Canada kt	Other kt	Christmas Island kt	China kt	Morocco kt	Nauru kt	Togo kt	Other kt	
1971-72	212	65	503	na	0	na	na	na	1 654
1972-73	396	10	684	na	0	na	na	na	2 282
1973-74	381	23	955	na	0	na	na	na	3 104
1974-75	502	78	1 002	na	0	na	na	na	2 639
1975-76	180	26	503	na	0	na	na	na	1 461
1976-77	381	26	567	na	0	na	na	na	1 319
1977-78	470	26	487	na	0	na	na	na	1 610
1978-79	337	99	543	na	0	na	na	na	1 756
1979-80	627	60	674	na	0	na	na	na	1 936
1980-81	552	4	624	na	0	na	na	na	2 232
1981-82	459	0	780	na	25	na	na	na	2 360
1982-83	371	21	699	na	0	na	na	na	2 111
1983-84	470	0	456	na	25	na	na	na	1 688
1984-85	420	1	533	na	111	na	na	na	1 762
1985-86	458	0	506	na	103	na	na	na	1 921
1986-87	329	1	370	na	66	na	na	na	1 459
1987-88	462	11	240	na	256	na	na	na	1 808
1988-89	506	13	0	0	310	1 203	162	562	2 237
1989-90	382	13	0	0	236	768	171	256	1 430
1990-91	108	9	0	0	93	224	25	134	476
1991-92	38	6	0	0	0	257	0	218	474
1992-93	79	20	0	0	62	355	31	401	849
1993-94	71	0	13	0	144	203	33	383	776
1994-95	122	22	22	0	182	178	177	508	1 067
1995-96	114	31	47	32	136	191	0	505	911
1996-97	113	32	66	50	104	167	0	519	906
1997-98	126	5	126	79	238	153	0	464	1 060
1998-99	231	94	146	44	273	88	0	332	884
1999-00	255	7	50	107	151	106	0	342	756
2000-01	435	46	0	293	145	119	0	266	823
2001-02	539	4	0	266	94	27	243	303	933
2002-03	559	36	0	200	48	16	244	202	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

na Not available.

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



## 102 Volume of Australian trade in manufactured fertiliser, by type

	Imports					Exports		
	Triple superphosphate kt	Diammonium phosphate kt	Monammonium phosphate kt	Other ammonium kt	Urea kt	Potassic fertiliser kt	Nitrogen fertiliser kt	Ammonium phosphates kt
1970-71	3.1	0.0	0.0	15.1	na	na	0.8	0.0
1971-72	2.4	0.0	0.0	27.3	na	na	7.8	0.0
1972-73	2.0	0.0	0.0	9.3	1.3	na	21.4	0.0
1973-74	1.8	0.0	0.0	4.1	0.1	na	37.9	0.0
1974-75	0.3	0.0	0.0	6.5	4.3	na	7.3	0.0
1975-76	0.1	0.0	0.0	0.3	4.7	na	47.9	0.0
1976-77	20.7	0.0	0.0	6.3	17.9	na	1.2	0.0
1977-78	10.1	0.0	0.0	9.4	10.2	na	7.2	0.0
1978-79	66.3	0.2	0.0	8.9	16.7	na	8.2	0.0
1979-80	0.0	2.2	0.0	30.7	41.2	na	24.2	0.0
1980-81	0.0	51.2	9.0	38.7	40.2	na	22.9	0.0
1981-82	0.0	50.5	8.9	62.7	43.2	na	18.5	0.0
1982-83	25.2	183.6	32.4	22.7	76.6	na	21.2	0.0
1983-84	35.1	257.5	45.9	14.7	64.0	na	4.5	0.0
1984-85	55.4	306.6	54.4	46.3	138.2	na	34.6	0.0
1985-86	48.1	229.4	40.2	41.7	144.2	na	6.2	0.0
1986-87	76.4	201.8	38.2	80.3	177.2	na	10.3	0.0
1987-88	88.4	124.7	15.3	98.9	212.0	na	16.1	0.1
1988-89	97.3	250.3	103.1	113.1	255.1	299.4	46.5	0.1
1989-90	114.3	320.3	164.2	78.6	361.7	289.7	48.3	0.1
1990-91	157.8	347.3	141.1	42.9	388.8	247.4	96.6	0.1
1991-92	264.4	355.0	206.2	90.2	364.5	244.4	60.8	0.8
1992-93	249.9	482.7	250.0	116.8	367.2	258.4	50.8	0.2
1993-94	204.2	501.2	237.5	133.7	526.5	301.0	76.6	0.4
1994-95	306.8	548.5	232.6	124.9	554.3	367.8	66.0	0.4
1995-96	269.3	715.4	291.5	154.0	594.9	366.0	40.0	0.3
1996-97	335.5	706.0	317.3	197.3	850.7	329.3	32.1	0.1
1997-98	351.8	757.1	391.6	118.1	953.3	435.0	43.2	0.2
1998-99	284.9	771.7	413.6	78.5	1 038.2	357.1	65.0	0.6
1999-00	240.4	570.2	580.0	74.9	1 399.8	353.3	75.2	23.0
2000-01	224.1	447.4	647.4	22.6	1 139.5	346.0	107.7	283.7
2001-02	280.2	271.0	659.2	75.5	1 295.8	416.9	101.3	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	58.2	1 156.6	447.0	134.8	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	144.2	1 056.2	403.7	186.6	312.3

na Not available.

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

# 103 Volume of Australian fertiliser imports, by state

	Triple superphosphate kt	Diammonium phosphate kt	Monammonium phosphate kt	Ammonium fertilisers		Urea kt	Potassic fertiliser kt	Phosphate rock kt
				Sulphate kt	Nitrate kt			
<b>New South Wales</b>								
2000-01	28.3	32.1	110.1	2.3	4.4	117.3	16.2	174.3
2001-02	32.8	24.5	108.6	5.4	14.4	136.4	19.8	204.4
2002-03	21.5	14.1	138.5	5.1	18.8	116.1	14.0	127.7
2003-04	14.2	18.8	115.2	0.5	20.2	107.5	8.9	163.9
2004-05	15.9	26.9	129.1	0.4	36.5	108.2	20.2	94.0
2005-06	23.0	22.4	64.9	0.6	17.3	60.5	16.2	60.0
<b>Victoria</b>								
2000-01	79.3	116.4	233.8	2.5	0.0	365.9	95.3	359.5
2001-02	107.1	72.6	269.0	7.4	0.4	371.0	128.9	369.0
2002-03	56.8	45.0	229.4	11.8	1.0	325.6	105.9	309.2
2003-04	56.5	47.5	228.6	1.0	1.7	356.6	120.9	319.7
2004-05	65.2	93.5	331.4	1.5	1.2	365.6	103.2	404.2
2005-06	185.8	64.2	145.1	1.7	0.9	393.9	140.3	310.3
<b>Queensland</b>								
2000-01	10.3	39.2	66.1	0.4	3.1	226.5	83.8	0.4
2001-02	6.8	5.8	60.1	0.9	27.8	255.3	98.5	1.0
2002-03	5.2	0.1	38.3	1.4	16.0	159.3	75.5	1.1
2003-04	4.0	0.0	63.2	1.3	21.8	168.1	83.7	1.2
2004-05	13.8	0.0	66.8	1.3	94.3	273.8	98.8	2.2
2005-06	3.2	0.0	34.4	4.2	94.7	146.7	72.2	1.6
<b>Western Australia</b>								
2000-01	67.0	125.7	182.6	6.6	2.8	294.4	110.6	161.1
2001-02	82.2	113.6	178.3	0.2	13.6	364.0	128.0	176.2
2002-03	77.2	130.1	242.4	4.7	4.6	289.3	164.0	139.9
2003-04	75.3	74.4	288.2	1.1	7.0	351.7	175.5	158.4
2004-05	119.2	97.4	310.2	1.0	38.7	371.2	210.9	138.1
2005-06	71.3	96.9	267.2	1.4	18.0	304.8	96.1	176.8
<b>South Australia</b>								
2000-01	19.8	129.2	54.9	0.1	0.4	121.7	7.8	0.0
2001-02	23.0	54.5	43.2	4.6	0.7	153.0	9.4	0.0
2002-03	20.5	47.9	42.8	5.4	3.3	164.2	10.0	0.0
2003-04	7.3	70.9	45.4	0.6	3.1	150.8	11.2	0.0
2004-05	4.8	68.9	88.8	0.8	4.6	148.8	15.9	0.1
2005-06	22.3	19.0	16.7	0.9	4.6	124.3	16.5	0.0
<b>Tasmania</b>								
2000-01	19.4	4.9	0.0	0.0	0.0	13.6	24.0	60.8
2001-02	28.3	0.0	0.0	0.0	0.0	16.0	21.4	138.6
2002-03	6.9	0.0	0.0	0.0	0.0	18.4	22.4	102.7
2003-04	6.2	0.0	0.0	0.0	0.0	21.9	22.4	79.8
2004-05	13.0	0.0	0.0	0.0	0.0	21.0	24.8	158.4
2005-06	4.7	0.0	0.0	0.0	0.0	26.0	26.8	106.1
<b>Australia</b>								
2000-01	224.1	447.4	647.4	12.0	10.7	1 139.5	346.0	822.7
2001-02	280.2	271.0	659.2	18.4	57.1	1 295.8	416.9	933.2
2002-03	188.1	237.2	691.3	28.3	43.6	1 072.8	432.6	711.3
2003-04	163.5	211.6	740.5	4.3	53.8	1 156.6	447.0	723.1
2004-05	231.8	286.7	926.3	4.9	175.3	1 288.6	496.7	797.0
2005-06	310.3	202.5	528.2	8.8	135.5	1 056.2	403.7	654.7

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

104 Value of Australian fertiliser imports, by state <sup>a</sup>

	Triple superphosphate \$m	Diammonium phosphate \$m	Monammonium phosphate \$m	Ammonium fertilisers		Urea \$m	Potassic fertiliser \$m	Phosphate rock \$m
				Sulphate \$m	Nitrate \$m			
<b>New South Wales</b>								
2000-01	7.39	9.92	32.14	0.54	1.07	29.08	4.37	13.84
2001-02	7.81	6.82	30.63	1.21	4.33	27.43	6.04	17.81
2002-03	5.30	4.11	37.88	1.06	5.43	26.28	3.74	10.41
2003-04	3.36	5.45	30.47	0.81	4.79	24.29	2.15	10.00
2004-05	3.89	8.33	39.88	0.10	12.31	30.61	4.64	5.76
2005-06	5.45	8.07	22.95	0.13	5.88	19.28	4.57	5.16
<b>Victoria</b>								
2000-01	20.32	34.01	68.81	0.55	0.01	90.10	25.57	25.42
2001-02	22.65	21.10	77.33	1.65	0.11	76.06	36.13	25.62
2002-03	12.95	13.37	66.14	2.57	0.23	74.98	25.31	19.36
2003-04	8.19	13.89	64.43	0.18	0.34	79.22	25.93	16.68
2004-05	10.50	28.20	100.59	0.36	0.32	107.50	21.44	23.07
2005-06	31.31	23.17	53.52	0.40	0.25	125.06	39.24	19.74
<b>Queensland</b>								
2000-01	2.61	11.09	19.25	0.10	0.87	54.88	22.06	0.05
2001-02	1.60	1.64	17.42	0.18	8.56	49.97	28.41	0.12
2002-03	1.32	0.05	10.96	0.37	4.14	35.26	18.19	0.12
2003-04	0.89	0.02	17.23	0.21	5.18	36.97	18.12	0.19
2004-05	2.81	0.02	20.51	0.24	33.32	78.73	21.34	0.33
2005-06	0.90	0.00	11.54	0.89	37.51	46.94	17.91	0.28
<b>Western Australia</b>								
2000-01	15.52	41.57	58.22	1.39	0.64	75.14	27.90	12.95
2001-02	18.70	33.33	53.05	0.03	3.86	70.98	34.29	13.52
2002-03	16.05	37.74	69.91	1.18	1.79	66.90	37.66	10.89
2003-04	16.33	20.18	80.51	0.15	1.74	76.95	33.05	9.62
2004-05	28.55	29.83	96.95	0.20	14.65	116.89	42.05	10.02
2005-06	15.04	35.62	95.35	0.30	6.01	99.26	25.39	10.78
<b>South Australia</b>								
2000-01	4.88	39.09	16.19	0.02	0.12	32.36	2.34	0.00
2001-02	5.23	16.36	12.25	1.03	0.20	31.29	2.76	0.00
2002-03	4.60	13.27	11.55	1.14	0.83	37.78	2.58	0.00
2003-04	1.42	20.82	13.16	0.11	0.65	34.28	2.61	0.00
2004-05	1.26	20.95	27.85	0.16	1.11	44.98	4.21	0.02
2005-06	4.79	7.04	6.27	0.19	1.36	40.13	4.88	0.00
<b>Tasmania</b>								
2000-01	2.62	1.21	0.00	0.00	0.00	3.58	5.90	5.40
2001-02	3.05	0.00	0.00	0.00	0.02	3.06	5.64	10.86
2002-03	1.58	0.00	0.02	0.00	0.01	4.04	5.33	6.75
2003-04	1.83	0.00	0.00	0.00	0.01	4.97	4.34	4.17
2004-05	2.62	0.00	0.00	0.00	0.00	6.42	5.33	9.37
2005-06	1.33	0.00	0.00	0.00	0.00	8.42	7.35	6.14
<b>Australia</b>								
2000-01	53.34	136.88	194.60	2.59	2.72	285.14	88.15	61.82
2001-02	59.05	79.24	190.68	4.10	17.07	258.79	113.27	71.67
2002-03	41.80	68.54	196.46	6.32	12.42	245.23	92.80	50.09
2003-04	32.02	60.36	205.80	1.47	12.72	256.68	86.20	40.65
2004-05	49.63	87.32	285.78	1.05	61.71	385.13	99.01	48.56
2005-06	58.83	73.89	189.64	1.90	51.02	339.10	99.34	42.11

<sup>a</sup> Fob at the port of origin.

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

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## Volume of Australian fertiliser imports, by quarter

	Triple superphosphate kt	Diammonium phosphate kt	Monammonium phosphate kt	Ammonium fertilisers		Urea kt	Potassic fertiliser kt	Phosphate rock kt
				Sulphate kt	Nitrate kt			
<b>1999 quarter</b>								
March	112.6	369.4	203.1	13.6	4.6	296.5	87.4	154.1
June	62.6	208.1	100.8	5.8	13.4	386.4	115.7	81.2
September	33.0	41.9	32.1	0.3	18.5	286.3	86.8	182.9
December	38.4	95.1	154.9	0.5	32.6	226.7	86.3	255.6
<b>2000 quarter</b>								
March	121.4	258.0	236.2	8.5	7.3	317.5	107.5	193.4
June	47.6	175.2	156.8	0.5	6.7	569.2	72.7	123.6
September	8.9	38.5	53.2	0.4	1.1	316.2	84.4	135.6
December	54.4	38.5	91.8	0.3	4.1	122.4	70.7	311.1
<b>2001 quarter</b>								
March	68.4	171.3	305.0	6.8	4.2	271.9	129.8	259.5
June	92.4	199.1	197.4	4.5	1.2	429.1	61.1	116.5
September	14.5	9.0	56.5	8.4	8.3	193.2	98.8	265.8
December	70.2	20.9	126.7	0.3	15.0	212.7	70.1	267.0
<b>2002 quarter</b>								
March	124.7	138.1	257.7	0.4	13.9	243.1	140.1	193.3
June	70.8	102.9	218.3	9.2	19.8	646.8	107.9	207.1
September	62.4	4.9	60.4	9.0	23.1	159.9	119.6	283.7
December	6.1	21.6	123.9	2.6	13.8	114.0	47.6	160.7
<b>2003 quarter</b>								
March	94.3	127.9	308.3	3.6	19.3	336.0	169.6	144.5
June	25.2	82.8	198.7	13.2	14.5	462.8	95.8	122.4
September	27.9	5.6	70.8	0.7	7.6	163.7	77.7	164.7
December	15.5	12.5	177.8	0.7	27.0	214.7	48.7	225.3
<b>2004 quarter</b>								
March	71.6	126.7	295.4	1.3	7.1	246.6	141.7	119.1
June	48.4	67.0	196.6	1.8	12.0	531.6	178.9	214.0
September	60.1	25.2	95.0	0.7	22.9	299.2	92.8	120.0
December	68.4	51.9	189.5	1.0	50.1	157.2	92.5	242.2
<b>2005 quarter</b>								
March	62.4	120.6	345.1	1.6	60.0	296.8	138.2	193.2
June	40.9	89.1	296.7	1.6	42.2	535.4	173.2	241.7
September	19.3	16.3	118.0	3.9	40.7	211.4	114.1	146.8
December	127.1	33.0	95.3	0.9	29.3	106.8	70.5	239.5
<b>2006 quarter</b>								
March	112.8	96.8	217.0	2.2	46.6	290.9	110.2	70.9
June	51.1	56.4	98.0	1.8	18.9	447.1	108.8	197.6
September	2.3	0.0	50.2	2.2	21.8	229.0	81.0	122.9

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

106 Value of Australian fertiliser imports, by quarter <sup>a</sup>

	Triple superphosphate \$m	Diammonium phosphate \$m	Monammonium phosphate \$m	Ammonium fertilisers		Urea \$m	Potassic fertiliser \$m	Phosphate rock \$m
				Sulphate \$m	Nitrate \$m			
<b>1999 quarter</b>								
March	29.5	119.9	65.8	2.6	1.2	42.6	20.2	10.5
June	16.1	64.0	30.6	1.4	3.5	56.8	28.1	4.7
September	7.4	11.8	9.5	0.1	4.3	37.7	18.8	13.1
December	7.1	23.4	38.1	0.1	7.8	30.7	19.9	18.3
<b>2000 quarter</b>								
March	21.5	62.0	55.9	1.5	1.6	52.5	24.3	13.5
June	10.0	43.5	38.5	0.1	1.5	111.6	18.9	9.1
September	1.9	9.5	15.0	0.1	0.3	70.0	21.1	9.7
December	13.5	12.8	29.2	0.1	0.9	31.3	18.6	23.5
<b>2001 quarter</b>								
March	17.4	50.8	89.3	1.4	1.2	78.0	33.1	19.8
June	20.5	63.8	61.1	1.0	0.4	105.8	17.9	8.8
September	3.4	2.4	17.3	1.9	2.3	35.8	29.2	21.2
December	15.1	5.6	35.4	0.1	4.7	44.9	19.8	20.5
<b>2002 quarter</b>								
March	26.4	40.7	75.4	0.1	4.0	51.4	37.3	14.5
June	14.2	30.6	62.6	2.1	6.1	126.6	30.9	15.5
September	14.3	1.5	18.3	1.9	6.6	32.3	31.4	20.3
December	1.4	6.8	35.5	0.5	4.0	25.0	13.0	12.4
<b>2003 quarter</b>								
March	19.9	35.1	83.4	0.9	5.1	79.6	41.6	10.0
June	6.3	25.2	59.2	3.0	3.7	108.3	21.8	7.5
September	6.6	1.6	18.5	0.1	1.7	36.0	18.7	10.1
December	4.0	3.1	45.5	0.1	6.3	51.5	10.7	13.5
<b>2004 quarter</b>								
March	12.4	35.9	83.8	0.2	1.7	55.2	29.2	5.7
June	9.0	19.7	58.0	1.0	3.0	114.0	35.0	11.3
September	16.4	7.8	30.4	0.2	7.0	79.3	22.3	7.9
December	12.6	15.6	60.5	0.2	17.1	49.7	19.6	14.8
<b>2005 quarter</b>								
March	11.4	37.0	106.3	0.4	21.1	85.9	28.3	11.2
June	9.3	26.9	88.6	0.3	16.5	170.2	36.0	14.7
September	3.3	6.6	40.7	0.8	14.6	66.0	30.3	8.7
December	24.3	12.0	33.9	0.2	11.8	35.2	19.7	16.1
<b>2006 quarter</b>								
March	20.0	35.0	80.1	0.5	18.3	89.3	33.0	3.9
June	11.2	20.4	34.9	0.4	6.4	148.6	28.8	13.5
September	1.5	0.0	18.7	0.5	7.9	66.3	23.6	8.2

<sup>a</sup> Fob at the port of origin.

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

## 107 Australian sales and prices of chemicals, by product type

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

**a** For the years to 1995, figures represent 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. **b** For the years after 1997, figures refer to total Australian sales as recorded by the APVMA. **c** Based on ABS benchmark data. **s** ABARE estimate. **na** Not available.

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

## 108 Australian farm fuel prices

	Petrol		Off-road diesel <sup>c</sup> c/L	Index of prices paid for fuel <sup>d</sup>
	Lead replacement <sup>a</sup> c/L	Unleaded <sup>b</sup> c/L		
1970-71	8.70	na	4.39	11.5
1971-72	9.24	na	4.65	11.5
1972-73	9.32	na	4.66	11.5
1973-74	10.31	na	4.74	12.4
1974-75	11.68	na	5.97	15.1
1975-76	13.53	na	7.86	19.5
1976-77	15.73	na	9.02	22.2
1977-78	17.68	na	11.21	25.7
1978-79	20.87	na	14.92	32.8
1979-80	26.77	na	22.22	46.1
1980-81	31.87	na	27.78	57.6
1981-82	36.00	na	29.64	63.0
1982-83	43.81	na	33.22	72.7
1983-84	48.57	na	34.00	78.9
1984-85	49.15	na	36.13	84.2
1985-86	54.32	54.32	33.91	86.9
1986-87	55.11	55.11	30.83	86.0
1987-88	57.19	57.19	31.49	88.7
1988-89	56.24	56.24	27.17	80.4
1989-90	65.41	65.41	30.89	91.6
1990-91	74.44	74.44	36.39	106.0
1991-92	72.54	72.54	33.14	99.6
1992-93	74.53	74.53	35.10	104.1
1993-94	74.72	74.22	32.47	100.5
1994-95	78.42	76.42	38.44	96.6
1995-96	79.83	77.83	38.50	100.4
1996-97	81.89	79.89	40.60	104.9
1997-98	82.19	76.22	36.71	100.0
1998-99	80.44	73.60	32.39	104.1
1999-00	94.11	85.13	41.21	148.6
2000-01	100.26	98.20	53.36	144.1
2001-02	93.11	89.47	46.80	128.3
2002-03	94.97	93.77	44.13	127.0
2003-04	109.54	94.78	55.12	144.3
2004-05	na	106.07	65.51	167.2
2005-06	na	126.89	84.15	208.7

<sup>a</sup> Leaded petrol phased out as at 1 Jan 2002. Lead replacement petrol (LRP) introduced as at 1 Jan 2002. <sup>b</sup> Petrol price paid at the pump, excludes farm rebates and subsidies. <sup>c</sup> Average price paid by Australian farmers. Net petrol price including farm rebates and subsidies. <sup>d</sup> Base: 1997-98 = 100. **na** Not available.  
Sources: Ampol; Australian Taxation Office; Caltex Australia; Fueltrac; Shell Australia; ABARE.

# 109 Persons employed in agriculture, forestry and fisheries <sup>a</sup>

	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98
	'000	'000	'000	'000	'000	'000	'000	'000
Agriculture								
Grains, sheep and beef cattle	229.5	205.8	211.5	217.3	200.5	201.7	203.5	202.7
Horticulture and fruit	89.0	93.3	82.8	80.3	77.4	93.0	87.1	91.0
Other crops	13.0	13.5	12.5	11.5	17.0	16.9	18.3	20.6
Dairy cattle	24.0	21.5	22.0	22.8	34.2	30.1	39.9	38.2
Poultry	7.8	10.3	9.3	10.5	10.1	11.8	10.2	9.4
Other livestock	23.3	22.8	21.8	21.3	17.4	16.4	16.1	16.5
Agriculture – other	na	na	na	na	na	na	na	na
Total	386.6	367.2	359.9	363.3	356.6	369.9	375.0	378.2
Services to agriculture <sup>b</sup>	22.1	16.0	17.5	20.3	19.5	18.6	23.0	25.6
Forestry and logging	10.9	11.3	11.0	11.3	12.4	11.4	10.9	14.0
Commercial fishing	15.4	13.5	15.8	13.8	14.8	18.7	13.0	13.8
Total	434.9	408.1	404.1	408.7	403.4	418.5	421.9	431.6
	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	'000	'000	'000	'000	'000	'000	'000	'000
Agriculture								
Grains, sheep and beef cattle	199.0	211.0	207.7	214.3	166.1	164.9	133.3	139.8
Horticulture and fruit	91.7	98.9	92.5	97.3	93.1	94.8	81.7	82.4
Other crops	19.9	19.3	15.6	17.2	13.1	10.8	15.9	9.2
Dairy cattle	32.6	34.6	29.1	31.0	25.8	19.8	21.6	22.9
Poultry	8.3	8.8	8.6	9.3	11.0	9.7	9.4	9.1
Other livestock	14.3	12.7	9.4	12.3	12.1	10.0	10.3	11.1
Agriculture – other	na	na	10.4	5.0	4.5	10.4	40.2	30.1
Total	365.8	385.2	373.3	386.5	325.6	320.4	312.3	304.5
Services to agriculture <sup>b</sup>	27.9	30.4	28.2	25.8	24.1	25.3	24.5	27.1
Forestry and logging	14.0	8.7	13.5	13.2	9.7	12.1	12.2	11.3
Commercial fishing	14.0	15.6	19.4	18.4	17.4	15.7	13.9	11.7
Total	421.7	439.9	435.2	444.3	376.8	373.5	362.9	354.6

<sup>a</sup> Average employment over four quarters. <sup>b</sup> includes hunting and trapping. **na** Not available.

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



# 110 Australian wages and the consumer price index <sup>a</sup>

	Contract rates %	Shearing rates <sup>b</sup> %	Rural wages %	Average weekly earnings %	Consumer price index %
1970-71	na	na	na	na	4.5
1971-72	- 1.4	na	5.6	10.2	6.9
1972-73	1.9	na	9.3	9.0	6.1
1973-74	6.3	na	20.0	16.2	12.9
1974-75	18.8	na	37.3	26.6	16.8
1975-76	14.9	na	13.7	15.7	12.9
1976-77	12.4	13.1	13.1	14.7	13.9
1977-78	6.7	9.2	10.8	10.3	9.5
1978-79	9.4	6.2	6.1	8.4	8.2
1979-80	8.4	12.3	7.2	8.5	10.2
1980-81	9.6	9.0	9.1	12.6	9.3
1981-82	9.7	9.6	11.7	12.3	10.5
1982-83	14.9	8.5	10.1	13.1	11.5
1983-84	7.8	3.8	6.2	7.1	6.7
1984-85	6.5	8.4	7.9	5.1	4.3
1985-86	3.8	4.2	4.7	5.9	8.4
1986-87	2.2	4.4	4.7	6.2	9.4
1987-88	3.7	2.9	3.9	6.1	7.3
1988-89	7.0	11.0	7.3	6.8	7.3
1989-90	6.1	6.5	7.4	6.6	8.0
1990-91	6.7	1.4	4.8	5.9	5.3
1991-92	4.1	1.0	4.6	2.9	1.9
1992-93	3.1	4.2	3.6	2.0	1.0
1993-94	3.0	0.4	1.4	2.9	1.8
1994-95	1.9	0.8	1.4	3.4	3.2
1995-96	1.0	2.3	3.1	2.5	4.2
1996-97	1.2	1.5	2.0	3.0	1.3
1997-98	2.5	1.8	3.1	3.2	0.0
1998-99	3.6	5.3	3.6	2.4	1.2
1999-00	2.9	1.8	2.9	2.2	2.4
2000-01	3.2	3.5	3.5	5.5	6.0
2001-02	2.9	2.1	3.0	4.2	2.9
2002-03	3.7	3.7	3.9	4.4	3.1
2003-04	3.4	6.1	3.6	4.8	2.4
2004-05	3.6	3.7	3.8	4.3	2.4
2005-06	3.2	3.3	3.3	5.1	3.2

<sup>a</sup> Percentage change from previous year. <sup>b</sup> Based on price per 100 flock sheep. **na** Not available.

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



## Summary of Australian fisheries statistics

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06 p
<b>Prawns</b>									
Production <b>as</b>	kt	31.2	26.8	30.1	29.4	26.4	27.5	23.6	23.8
Value of production	\$m	416.4	414.6	453.3	428.7	364.0	357.8	304.5	306.0
Exports <b>b</b>	kt	12.0	11.6	12.1	11.9	9.5	9.4	10.3	8.7
Value of exports	\$m	224.3	243.8	291.0	262.8	208.2	160.6	163.1	133.9
Imports <b>b</b>	kt	15.8	15.7	15.6	17.6	18.1	24.4	29.9	30.4
Value of imports	\$m	202.6	192.9	233.5	221.4	220.2	227.6	257.8	256.3
<b>Rock lobster</b>									
Production <b>ac</b>	kt	19.4	20.5	16.8	14.3	17.1	19.7	18.1	15.7
Value of production <b>c</b>	\$m	438.5	545.6	481.0	501.8	460.7	405.2	415.0	429.1
Exports <b>b</b>	kt	14.4	15.5	13.3	10.9	11.5	13.5	12.6	11.9
Value of exports	\$m	451.4	577.7	532.6	492.6	463.1	426.8	439.6	489.4
<b>Abalone</b>									
Production <b>as</b>	kt	5.6	5.6	5.7	5.9	5.2	5.8	5.9	5.5
Value of production	\$m	172.9	220.7	276.4	247.4	216.2	196.3	229.6	229.3
Exports <b>b</b>	kt	3.4	3.8	3.5	4.0	4.2	4.9	4.0	3.7
Value of exports	\$m	184.6	223.4	249.3	263.1	216.1	237.7	263.1	245.6
<b>Scallops</b>									
Production <b>a</b>	kt	11.3	12.0	9.2	5.6	9.6	9.3	15.4	11.3
Value of production	\$m	37.7	43.2	39.5	22.8	34.6	24.6	45.6	32.9
Exports <b>b</b>	kt	1.6	1.7	2.1	1.5	1.2	1.5	1.2	1.5
Value of exports	\$m	33.2	42.0	53.4	34.4	28.7	34.9	32.6	38.8
<b>Tuna</b>									
Production <b>ads</b>	kt	16.7	16.2	16.1	15.9	13.4	14.7	11.3	12.3
Value of production <b>d</b>	\$m	221.5	256.7	328.8	322.9	317.0	279.5	172.5	177.7
Exports <b>b</b>	kt	8.5	12.6	14.8	13.9	12.6	12.8	10.9	11.7
Value of exports	\$m	120.4	259.3	331.9	325.8	321.0	273.5	165.7	179.4
Imports <b>b</b>	kt	21.8	18.2	23.6	25.3	33.9	47.4	37.5	36.5
Value of imports	\$m	82.0	70.6	82.8	104.9	123.5	109.8	107.7	141.3
<b>Other fin fish</b>									
Production <b>as</b>	kt	126.5	113.5	122.0	137.3	151.7	164.7	181.6	161.0
Value of production	\$m	442.7	454.3	489.7	546.3	561.0	553.7	532.3	571.5
Exports <b>b</b>	kt	17.7	15.0	13.3	17.5	17.4	13.2	15.0	11.6
Value of exports	\$m	154.4	133.7	146.4	176.0	164.2	136.5	138.7	115.3
Imports <b>b</b>	kt	75.9	84.0	85.1	82.3	89.8	91.2	93.3	92.7
Value of imports	\$m	360.3	392.7	426.4	431.8	467.0	435.1	439.6	460.7
<b>All fisheries products</b>									
Production <b>s</b>	kt	236.7	221.9	231.3	237.1	253.7	275.5	287.4	na
Value of production	\$m	2 109.8	2 344.0	2 438.8	2 429.7	2 284.4	2 168.1	2 048.7	2 102.2
Edible exports	kt	61.5	63.9	64.7	64.3	60.2	58.5	57.3	52.3
Value of edible exports	\$m	1 223.8	1 536.2	1 716.8	1 661.7	1 484.9	1 319.3	1 236.0	1 237.3
Value of non-edible exports	\$m	287.6	451.8	451.9	438.5	359.6	332.6	305.7	311.3
Edible imports	kt	132.6	139.9	144.4	146.3	164.7	188.0	186.3	188.5
Value of edible imports	\$m	744.8	780.6	870.3	889.2	950.2	904.9	959.3	1 028.5
Value of non-edible imports	\$m	135.2	310.5	281.6	310.9	251.6	201.5	212.6	236.1

**a** Live weight. **b** Product weight. **c** Includes bugs for Queensland. **d** Excludes Commonwealth southern bluefin tuna as an input to South Australian farms. **p** Preliminary. **s** Includes estimates of aquaculture. **na** Not available.

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

# 112 Quantity and value of Australian production of fisheries products

	Unit	Prawns	Rock lobster <sup>a</sup>	Abalone	Scallops	Oysters	Tuna	Other fin fish	All fisheries products <sup>b</sup>
<b>Quantity <sup>c</sup></b>									
1984-85	kt	20.5	14.1	na	na	7.5	13.0	73.0	na
1985-86	kt	18.5	11.8	na	na	6.8	13.5	76.0	na
1986-87 <sup>s</sup>	kt	21.0	12.0	na	na	7.1	12.0	85.0	na
1987-88 <sup>s</sup>	kt	23.0	16.0	na	na	8.0	11.0	94.0	na
1988-89 <sup>s</sup>	kt	28.0	18.0	0.0	0.0	8.0	9.0	98.0	168.0
1989-90 <sup>s</sup>	kt	23.3	15.7	0.0	0.0	7.5	8.2 <sup>e</sup>	120.9	182.8
1990-91 <sup>s</sup>	kt	29.1	14.7	0.0	0.0	8.1	11.7 <sup>f</sup>	145.4	216.3
1991-92 <sup>s</sup>	kt	24.5	18.5	0.0	0.0	8.2	13.2 <sup>f</sup>	139.8	212.9
1992-93 <sup>s</sup>	kt	25.1	18.4	3.4	33.0	8.6	10.2 <sup>f</sup>	123.6	236.9
1993-94 <sup>s</sup>	kt	23.2	16.8	3.3	23.7	8.7	7.7 <sup>f</sup>	121.9	223.9
1994-95 <sup>s</sup>	kt	28.0	16.4	3.8	15.8	9.4	8.7 <sup>f</sup>	127.5	232.2
1995-96 <sup>s</sup>	kt	29.4	15.7	3.9	15.3	10.1	9.2 <sup>f</sup>	123.5	228.6
1996-97 <sup>s</sup>	kt	27.7	15.8	3.8	8.8	10.1	13.0 <sup>f</sup>	128.5	222.8
1997-98 <sup>s</sup>	kt	29.6	16.6	3.8	10.4	10.7	11.9 <sup>f</sup>	134.3	232.3
1998-99 <sup>s</sup>	kt	31.2	19.4	5.6	11.3	8.7	16.7 <sup>f</sup>	126.5	236.7
1999-00 <sup>s</sup>	kt	26.8	20.5	5.6	12.0	9.7	16.2 <sup>f</sup>	113.5	221.9
2000-01 <sup>s</sup>	kt	30.1	16.8	5.7	9.2	9.6	16.1 <sup>f</sup>	122.0	231.3
2001-02 <sup>s</sup>	kt	29.4	14.3	5.9	5.6	10.2	15.9 <sup>f</sup>	137.3	237.1
2002-03 <sup>s</sup>	kt	26.4	17.1	5.2	9.6	10.5	13.4 <sup>f</sup>	151.7	253.7
2003-04 <sup>s</sup>	kt	27.5	19.7	5.8	9.3	13.7	14.7 <sup>f</sup>	164.7	275.5
2004-05 <sup>s</sup>	kt	23.6	18.1	5.9	15.4	11.8	11.3 <sup>f</sup>	181.6	287.4
2005-06 <sup>ps</sup>	kt	23.8	15.7	5.5	11.3	12.0	12.3 <sup>f</sup>	161.0	na
<b>Value</b>									
1984-85 <sup>s</sup>	\$m	164.0	172.0	35.0	20.0	29.0	14.0	88.0	na
1985-86 <sup>s</sup>	\$m	190.0	140.0	60.0	24.0	30.0	17.0	102.0	na
1986-87 <sup>s</sup>	\$m	216.0	186.0	84.0	25.0	31.0	23.0	137.0	na
1987-88 <sup>s</sup>	\$m	246.0	252.0	96.0	22.0	36.0	19.0	157.0	na
1988-89 <sup>s</sup>	\$m	274.0	280.0	86.0	21.0	38.0	19.0	215.0	1 022.3 <sup>h</sup>
1989-90 <sup>s</sup>	\$m	226.0	245.0	90.0	25.0	36.0	66.0 <sup>e</sup>	278.0	1 093.0 <sup>h</sup>
1990-91 <sup>s</sup>	\$m	262.9	287.5	92.1	42.3	43.2	66.5 <sup>f</sup>	269.8	1 223.1 <sup>h</sup>
1991-92 <sup>s</sup>	\$m	244.1	369.1	94.6	82.8	44.3	76.2 <sup>f</sup>	301.3	1 376.2 <sup>h</sup>
1992-93 <sup>s</sup>	\$m	291.3	348.8	127.5	94.4	41.2	116.2 <sup>f</sup>	320.7	1 517.4 <sup>h</sup>
1993-94 <sup>s</sup>	\$m	320.6	431.7	178.4	82.1	42.4	107.8 <sup>f</sup>	322.5	1 719.0 <sup>h</sup>
1994-95 <sup>s</sup>	\$m	368.0	452.5	144.7	64.2	47.6	129.8 <sup>f</sup>	336.8	1 844.7 <sup>h</sup>
1995-96 <sup>s</sup>	\$m	368.4	374.6	142.4	66.7	51.5	85.0 <sup>f</sup>	352.2	1 724.8 <sup>h</sup>
1996-97 <sup>s</sup>	\$m	344.3	413.3	152.5	36.7	52.0	96.0 <sup>f</sup>	378.3	1 731.3 <sup>h</sup>
1997-98 <sup>s</sup>	\$m	385.3	377.1	182.1	39.8	47.0	130.8 <sup>f</sup>	395.6	1 835.7 <sup>h</sup>
1998-99 <sup>s</sup>	\$m	416.4	438.5	172.9	37.7	45.2	221.5 <sup>f</sup>	442.7	2 109.8 <sup>h</sup>
1999-00 <sup>s</sup>	\$m	414.6	545.6	220.7	43.2	53.3	256.7 <sup>f</sup>	454.3	2 344.0 <sup>h</sup>
2000-01 <sup>s</sup>	\$m	453.3	481.0	276.4	39.5	55.1	328.8 <sup>f</sup>	489.7	2 438.8
2001-02 <sup>s</sup>	\$m	428.7	501.8	247.4	22.8	56.9	322.9 <sup>f</sup>	546.3	2 429.7
2002-03 <sup>s</sup>	\$m	364.0	460.7	216.2	34.6	62.1	317.0 <sup>f</sup>	561.0	2 284.4
2003-04 <sup>s</sup>	\$m	357.8	405.2	196.3	24.6	77.2	279.5 <sup>f</sup>	553.7	2 168.1
2004-05 <sup>s</sup>	\$m	304.5	415.0	229.6	45.6	73.3	172.5 <sup>f</sup>	532.3	2 048.7
2005-06 <sup>ps</sup>	\$m	306.0	429.1	229.3	32.9	74.0	177.7 <sup>f</sup>	571.5	2 102.2

<sup>a</sup> Includes bugs for Queensland. <sup>b</sup> Excludes those products for which no quantity data is available, eg live fish, pearls and some non-edible fisheries products. <sup>c</sup> Live weight. <sup>d</sup> Excludes production in Victoria and Queensland. <sup>e</sup> Includes an estimate of tuna production from joint venture agreements. <sup>f</sup> Excludes Commonwealth southern bluefin tuna as an input to South Australian farms. <sup>g</sup> Excludes the value of Queensland production. <sup>h</sup> Includes pearls and other products. <sup>p</sup> Preliminary, <sup>s</sup> ABARE estimate; the values of production are based on values to fishing operators (ABS estimates of gross value of production include certain marketing costs in some cases). **na** Not available. Sources: ABARE, *Australian Fisheries Statistics*, Canberra; ABS, *Fisheries, Australia*, cat. no. 7603.0, Canberra; ABARE.

# 113 Australian exports of prawns, by product type and destination

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity <sup>a</sup></b>								
Headless	t	926	1 005	785	580	307	437	150
Hong Kong, China	t	47	80	14	14	3	14	0
Japan	t	657	654	539	428	179	150	121
Spain	t	27	0	28	0	0	0	0
United States	t	33	80	98	10	1	3	3
Other	t	163	191	106	127	123	270	26
Whole	t	10 096	10 789	10 870	8 739	8 852	9 623	8 409
China	t	1 662	1 231	1 414	780	1 151	1 540	1 107
Chinese Taipei	t	239	170	254	219	184	74	40
Hong Kong, China	t	1 140	1 899	1 777	1 388	925	659	401
Italy	t	72	42	24	52	13	42	382
Japan	t	4 614	4 085	4 194	3 815	3 063	3 466	2 993
Malaysia	t	176	131	180	214	274	75	74
New Zealand	t	139	190	253	237	175	189	151
Spain	t	1 157	1 584	915	1 223	1 697	1 972	1 434
Thailand	t	203	673	1 076	90	124	198	376
United States	t	50	138	45	13	54	29	16
Other	t	644	646	739	707	1 191	1 380	1 436
Other	t	608	330	270	213	237	242	185
Chinese Taipei	t	54	1	12	8	20	21	0
Japan	t	330	65	49	15	9	12	1
Singapore	t	42	22	19	30	25	13	19
United States	t	3	28	11	0	1	1	0
Other	t	179	214	178	161	182	194	165
Total	t	11 630	12 124	11 925	9 532	9 396	10 302	8 744
<b>Value</b>								
Headless	\$'000	20 540	25 162	18 607	12 002	5 353	6 639	2 835
Hong Kong, China	\$'000	704	1 338	310	318	34	387	0
Japan	\$'000	16 443	18 200	14 227	9 613	3 917	3 599	2 490
Spain	\$'000	367	0	375	0	0	0	0
United States	\$'000	920	2 048	2 445	298	33	69	57
Other	\$'000	2 106	3 576	1 249	1 773	1 369	2 583	289
Whole	\$'000	209 386	258 481	239 367	192 567	151 488	153 239	128 872
China	\$'000	25 777	20 946	23 262	14 914	15 777	19 601	11 905
Chinese Taipei	\$'000	5 985	4 694	5 440	5 153	3 997	1 483	828
Hong Kong, China	\$'000	18 655	36 377	32 940	26 874	15 985	9 593	5 758
Italy	\$'000	1 134	896	430	1 074	241	956	7 290
Japan	\$'000	123 510	133 574	129 283	105 331	62 751	68 784	57 151
Malaysia	\$'000	2 423	2 172	3 112	3 890	3 723	567	676
New Zealand	\$'000	1 745	2 604	3 223	3 365	2 313	2 305	1 604
Spain	\$'000	15 928	27 703	15 549	17 214	23 069	26 524	18 972
Thailand	\$'000	2 484	11 982	15 066	1 102	1 442	2 290	3 817
United States	\$'000	580	4 290	906	327	1 189	679	297
Other	\$'000	11 165	13 243	10 154	13 323	21 000	20 457	20 572
Other	\$'000	13 863	7 405	4 853	3 676	3 762	3 225	2 216
Chinese Taipei	\$'000	1 428	32	309	169	372	453	0
Japan	\$'000	9 262	3 505	1 459	345	181	241	24
Singapore	\$'000	730	481	379	556	523	169	274
United States	\$'000	86	681	372	0	27	16	3
Other	\$'000	2 357	2 705	2 333	2 606	2 660	2 347	1 916
Total	\$'000	243 789	291 048	262 827	208 245	160 603	163 104	133 923

<sup>a</sup> Product weight.

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

# 114 Australian imports of prawns, by products type and source

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity a</b>								
Fresh, chilled or frozen	t	10 423	10 188	11 972	13 086	18 860	22 590	23 111
China	t	81	160	381	544	3 894	4 034	4 465
Chinese Taipei	t	34	118	42	41	102	92	283
India	t	873	1 652	2 571	2 763	2 920	3 096	2 459
Indonesia	t	557	1 198	1 526	1 629	1 617	1 669	1 094
Malaysia	t	768	660	587	395	190	183	159
Myanmar	t	422	596	716	644	564	528	572
New Caledonia	t	306	186	184	123	104	189	100
Papua New Guinea	t	142	151	133	161	196	59	11
Singapore	t	163	232	91	141	211	101	157
Thailand	t	5 769	3 823	3 677	3 597	4 911	5 741	6 106
Viet Nam	t	1 081	1 256	1 840	2 802	3 898	6 260	6 855
Other	t	228	155	223	245	253	637	851
Canned	t	5 133	5 217	5 432	5 032	5 584	7 247	7 239
Malaysia	t	1 254	1 364	1 356	1 202	1 089	1 244	809
Thailand	t	3 126	3 082	3 097	3 064	3 328	4 035	3 706
Viet Nam	t	90	74	94	167	319	437	591
Other	t	662	696	885	599	848	1 530	2 133
Other	t	177	168	155	29	5	18	54
China	t	2	3	3	0	0	16	33
Malaysia	t	19	69	65	0	2	0	2
Thailand	t	77	66	85	26	1	0	17
Viet Nam	t	45	24	2	0	0	0	1
Other	t	35	6	1	2	1	2	1
Total	t	15 733	15 572	17 559	18 147	24 448	29 855	30 404
<b>Value</b>								
Fresh, chilled or frozen	\$'000	145 517	173 238	165 095	174 484	183 537	201 187	200 925
China	\$'000	985	3 468	3 362	5 704	28 476	26 497	29 417
Chinese Taipei	\$'000	730	2 601	626	714	1 297	1 054	2 884
India	\$'000	12 222	32 505	38 963	39 759	34 872	32 149	25 451
Indonesia	\$'000	6 926	15 776	17 934	17 501	13 423	10 820	8 508
Malaysia	\$'000	7 336	7 019	6 321	3 889	1 783	1 826	1 761
Myanmar	\$'000	4 615	7 405	8 183	6 451	4 867	4 599	4 816
New Caledonia	\$'000	4 721	3 164	3 128	2 044	1 571	2 370	1 256
Papua New Guinea	\$'000	975	1 320	1 139	1 357	1 307	406	73
Singapore	\$'000	1 938	2 591	1 325	1 608	2 083	1 063	1 474
Thailand	\$'000	86 645	70 400	51 886	47 027	44 250	45 556	45 968
Viet Nam	\$'000	15 085	24 825	29 554	45 441	47 333	69 650	72 307
Other	\$'000	3 340	2 165	2 674	2 990	2 275	5 196	7 010
Canned	\$'000	45 373	57 917	54 553	45 386	44 020	56 491	54 961
Malaysia	\$'000	9 676	12 662	12 030	10 082	8 072	8 215	5 216
Thailand	\$'000	30 995	37 910	33 392	29 341	27 035	34 433	30 858
Vietnam	\$'000	364	515	908	1 558	2 726	3 854	5 072
Other	\$'000	4 339	6 830	8 223	4 404	6 187	9 989	13 815
Other	\$'000	2 026	2 369	1 782	365	38	116	425
China	\$'000	22	10	34	1	4	92	210
Malaysia	\$'000	115	852	609	3	12	1	9
Thailand	\$'000	1 200	1 033	1 055	334	12	0	200
Viet Nam	\$'000	352	309	17	0	6	0	2
Other	\$'000	337	165	66	28	4	24	4
Total	\$'000	192 916	233 524	221 430	220 236	227 595	257 794	256 311

a Product weight.

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

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

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity a</b>								
Tails <b>b</b>	t	1 693	1 037	870	1 698	2 062	1 849	1 612
Chinese Taipei	t	82	18	5	32	0	9	0
Hong Kong, China	t	10	10	3	16	10	18	12
Japan	t	234	51	18	57	141	38	42
United States	t	1 331	915	831	1 476	1 757	1 748	1 467
Other	t	36	42	14	118	153	36	91
Whole <b>c</b>	t	13 348	11 882	9 697	9 468	10 889	10 184	9 914
Chinese Taipei	t	3 900	3 182	2 094	1 557	1 369	1 194	824
Hong Kong, China	t	4 691	4 658	3 983	3 603	4 750	4 323	5 449
Japan	t	3 857	3 306	2 585	2 940	2 477	2 096	1 785
Singapore	t	334	218	317	283	306	214	162
United States	t	113	215	234	53	60	57	43
Other	t	454	303	484	1 032	1 927	2 300	1 650
Other	t	448	426	374	368	501	603	412
France	t	51	16	6	20	12	66	17
Hong Kong, China	t	34	59	59	8	18	8	30
Japan	t	315	254	300	296	414	395	284
United States	t	11	26	3	18	47	48	22
Other	t	37	71	6	26	10	87	59
Total	t	15 490	13 345	10 942	11 535	13 453	12 636	11 938
<b>Value</b>								
Tails <b>b</b>	\$'000	95 289	60 309	65 362	112 922	102 506	100 572	97 335
Chinese Taipei	\$'000	2 611	654	327	1 244	0	233	0
Hong Kong, China	\$'000	469	600	191	809	475	594	593
Japan	\$'000	8 861	4 138	1 742	3 101	5 894	2 031	2 303
United States	\$'000	81 393	53 243	61 932	102 178	90 023	96 050	88 585
Other	\$'000	1 955	1 675	1 171	5 590	6 114	1 665	5 854
Whole <b>c</b>	\$'000	472 136	460 785	420 391	343 797	318 499	329 612	387 448
Chinese Taipei	\$'000	131 100	107 896	82 321	51 730	35 547	36 919	29 842
Hong Kong, China	\$'000	167 977	195 809	189 134	144 334	156 743	147 902	227 490
Japan	\$'000	141 531	124 399	105 549	102 735	68 392	65 147	66 251
Singapore	\$'000	10 556	7 297	12 863	10 448	7 620	6 293	5 697
United States	\$'000	5 045	13 395	10 379	1 868	2 240	2 210	1 684
Other	\$'000	15 928	11 988	20 145	32 681	47 957	71 141	56 484
Other	\$'000	10 231	11 554	6 855	6 388	5 829	9 391	4 568
France	\$'000	1 694	673	232	221	450	1 775	775
Hong Kong, China	\$'000	1 418	2 124	2 409	279	285	67	271
Japan	\$'000	5 377	6 176	3 762	4 164	3 173	3 611	1 248
United States	\$'000	370	1 006	266	762	1 645	1 497	531
Other	\$'000	1 372	1 575	185	962	275	2 442	1 743
Total	\$'000	577 657	532 648	492 608	463 106	426 833	439 575	489 351

**a** Product weight. **b** Fresh, chilled or frozen. **c** Live, fresh or chilled, frozen or cooked.  
 Source: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.

## 116 Australian imports of lobster, by source

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity a</b>								
Cuba	t	41	38	14	27	0	31	64
Malaysia	t	29	18	15	25	41	14	17
New Zealand	t	3	0	4	6	6	1	0
Papua New Guinea	t	55	71	73	73	89	79	79
Thailand	t	185	178	130	194	151	118	215
United States	t	165	36	30	82	0	17	0
Viet Nam	t	102	50	4	19	3	3	3
Other	t	75	30	51	57	155	207	190
Total	t	654	421	320	484	444	469	568
<b>Value</b>								
Cuba	\$'000	701	840	323	723	0	576	1 273
Malaysia	\$'000	315	254	211	303	437	134	185
New Zealand	\$'000	65	6	115	192	199	32	1
Papua New Guinea	\$'000	2 198	3 043	3 365	3 373	2 151	2 816	2 590
Thailand	\$'000	2 323	2 927	2 281	2 826	2 043	1 514	3 197
United States	\$'000	3 616	834	562	2 364	0	359	0
Viet Nam	\$'000	1 293	883	71	327	58	35	41
Other	\$'000	622	629	1 131	953	2 201	2 666	2 962
Total	\$'000	11 134	9 416	8 058	11 060	7 088	8 132	10 249

a Product weight.

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

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

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Exports</b>								
<b>Quantity <sup>a</sup></b>								
Fresh, chilled or frozen	t	1 570	1 505	2 007	1 701	2 119	2 032	2 133
China	t	19	27	51	30	20	296	609
Chinese Taipei	t	183	171	190	159	137	85	63
Hong Kong, China	t	836	732	1 210	1 129	1 551	1 229	1 019
Japan	t	494	531	507	351	377	394	404
United States	t	10	8	9	7	8	5	6
Other	t	28	36	40	24	26	23	31
Prepared or preserved	t	2 239	2 038	2 003	2 493	2 791	1 972	1 532
Chinese Taipei	t	666	660	396	207	428	227	153
Hong Kong, China	t	701	551	606	901	1 222	949	609
Japan	t	434	441	392	584	596	402	404
Singapore	t	363	252	300	326	344	311	249
United States	t	44	39	51	118	91	31	37
Other	t	30	97	258	356	110	52	80
Total	t	3 808	3 543	4 010	4 193	4 910	4 004	3 665
<b>Value</b>								
Fresh, chilled or frozen	\$'000	94 304	103 931	122 987	109 277	117 482	123 856	131 533
China	\$'000	885	2 398	5 613	3 141	1 532	16 033	34 493
Chinese Taipei	\$'000	8 816	9 781	9 368	8 536	6 088	4 096	3 153
Hong Kong, China	\$'000	51 391	53 000	70 354	71 567	87 086	76 529	66 780
Japan	\$'000	30 296	35 370	33 160	22 574	19 985	24 250	23 766
United States	\$'000	571	834	774	708	746	502	617
Other	\$'000	2 345	2 547	3 719	2 751	2 045	2 447	2 724
Prepared or preserved	\$'000	129 112	145 346	140 141	106 838	120 198	139 294	114 094
Chinese Taipei	\$'000	34 766	32 209	26 145	8 403	16 366	12 806	10 553
Hong Kong, China	\$'000	38 773	45 135	34 928	29 309	53 210	70 010	46 392
Japan	\$'000	29 283	36 888	30 278	29 629	25 309	27 462	29 876
Singapore	\$'000	21 105	20 018	24 637	20 088	16 744	22 475	18 768
United States	\$'000	3 051	3 958	4 300	3 231	3 391	2 381	3 056
Other	\$'000	2 134	7 138	19 854	16 177	5 178	4 160	5 449
Total	\$'000	223 415	249 277	263 128	216 115	237 680	263 150	245 627
<b>Imports</b>								
<b>Quantity</b>								
Live, fresh or chilled	t	0	0	0	0	0	0	0
New Zealand	t	0	0	0	0	0	0	0
Other	t	0	0	0	0	0	0	0
Frozen or preserved	t	15	6	14	10	10	6	14
Japan	t	3	0	0	0	3	0	0
New Zealand	t	1	0	1	0	0	0	0
Philippines	t	0	0	0	1	0	0	2
Other	t	12	6	13	8	8	6	12
Total	t	15	6	14	10	10	6	14
<b>Value</b>								
Live, fresh or chilled	\$'000	0	0	0	0	0	0	0
New Zealand	\$'000	0	0	0	0	0	0	0
Other	\$'000	0	0	0	0	0	0	0
Frozen or preserved	\$'000	829	125	139	540	475	149	252
Japan	\$'000	167	10	0	1	316	0	0
New Zealand	\$'000	79	0	26	6	0	3	0
Philippines	\$'000	0	0	0	50	0	0	9
Other	\$'000	582	115	113	482	160	146	244
Total	\$'000	829	125	139	540	475	149	252

<sup>a</sup> Product weight.

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



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

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Exports</b>									
<b>Quantity <sup>a</sup></b>									
Fresh, chilled or frozen	t	1 530	1 629	2 058	1 403	1 130	1 460	1 208	1 484
China	t	44	157	472	1	0	0	0	28
France	t	103	46	0	0	0	0	156	305
Hong Kong, China	t	933	1 017	1 181	971	769	1 096	727	764
Malaysia	t	85	90	101	103	72	54	33	61
Singapore	t	268	266	277	305	246	249	181	260
United States	t	15	0	0	0	2	1	1	1
Other	t	82	53	26	23	43	58	110	65
Other	t	40	26	87	85	35	4	0	0
Hong Kong, China	t	38	15	30	84	35	3	0	0
Other	t	1	11	57	1	0	1	0	0
Total	t	1 569	1 655	2 145	1 488	1 165	1 464	1 209	1 485
<b>Value</b>									
Fresh, chilled or frozen	\$'000	32 233	40 641	49 501	31 639	26 639	34 789	32 560	38 748
China	\$'000	1 008	1 032	3 871	11	5	0	0	769
France	\$'000	2 039	795	0	0	0	0	2 704	6 462
Hong Kong, China	\$'000	20 133	28 688	33 506	21 270	18 732	26 109	21 971	21 241
Malaysia	\$'000	1 604	2 261	2 994	2 471	1 611	1 287	949	1 563
Singapore	\$'000	5 424	6 608	8 317	7 389	5 392	5 715	5 232	7 314
United States	\$'000	290	0	0	0	63	74	38	19
Other	\$'000	1 735	1 257	814	498	836	1 603	1 666	1 380
Other	\$'000	1 002	1 371	3 904	2 794	2 048	126	6	25
Hong Kong, China	\$'000	932	1 009	2 694	2 782	2 036	93	5	24
Other	\$'000	70	362	1 210	12	11	34	0	1
Total	\$'000	33 236	42 012	53 405	34 433	28 686	34 916	32 566	38 773
<b>Imports</b>									
<b>Quantity</b>									
Fresh, chilled or frozen									
China	t	248	141	260	454	654	928	1 398	1 355
Indonesia	t	0	23	98	39	18	14	8	19
Japan	t	481	835	826	664	937	664	391	523
New Zealand	t	23	43	33	29	13	1	1	1
Peru	t	0	74	68	0	12	37	0	6
Thailand	t	329	366	396	360	338	408	310	257
Viet Nam	t	25	50	96	48	7	7	20	43
Other	t	51	135	78	24	46	44	169	217
Total	t	1 157	1 665	1 856	1 617	2 024	2 104	2 297	2 421
<b>Value</b>									
Fresh, chilled or frozen									
China	\$'000	3 037	2 034	4 179	6 137	6 618	8 823	15 250	16 201
Indonesia	\$'000	0	153	798	424	144	100	41	145
Japan	\$'000	7 043	14 698	13 609	9 058	12 033	7 557	6 027	7 780
New Zealand	\$'000	343	684	614	566	267	20	7	5
Peru	\$'000	0	970	785	0	140	316	1	41
Thailand	\$'000	4 271	5 592	6 274	4 863	4 114	4 547	3 490	2 860
Viet Nam	\$'000	167	308	603	564	64	49	144	401
Other	\$'000	1 353	1 489	1 526	605	860	614	2 497	3 323
Total	\$'000	16 215	25 928	28 388	22 219	24 241	22 027	27 458	30 756

<sup>a</sup> Product weight.

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

# 119 Australian exports of fish, by product type and destination <sup>a</sup>

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity <sup>b</sup></b>								
Live fish	t	na	na	na	na	na	na	na
Whole	t	18 300	19 634	24 187	24 096	20 434	20 406	18 534
China	t	2 222	1 239	1 761	2 101	1 369	1 734	672
Chinese Taipei	t	367	182	151	93	77	35	9
Germany	t	144	165	76	20	246	101	41
Japan	t	10 776	12 699	15 555	14 215	13 508	11 162	11 134
Saudi Arabia	t	106	60	135	120	119	134	75
Singapore	t	342	750	581	175	98	257	99
Thailand	t	986	1 241	1 308	1 087	826	2 077	1 635
United States	t	1 553	1 639	1 903	1 612	1 217	1 009	964
Other	t	1 805	1 659	2 716	4 672	2 974	3 896	3 906
Fillets	t	4 925	3 308	3 996	3 237	2 779	2 537	2 023
Japan	t	1 450	1 368	807	266	219	194	155
Thailand	t	238	13	0	1	127	140	1
United States	t	1 997	886	1 461	1 194	768	775	402
Other	t	1 241	1 040	1 728	1 776	1 666	1 427	1 466
Smoked, dried or salted	t	394	291	178	222	187	164	135
Canned	t	847	762	773	714	834	1 234	1 204
Other	t	3 117	4 106	2 263	1 783	1 736	1 591	1 364
Chinese Taipei	t	139	180	156	106	164	139	105
Japan	t	1 942	2 243	254	115	624	380	86
New Zealand	t	254	109	66	76	37	74	129
Other	t	782	1 574	1 786	1 486	911	998	1 043
Total	t	27 582	28 102	31 396	30 052	25 970	25 931	23 260
<b>Value</b>								
Live fish	\$'000	23 593	41 585	47 271	46 991	39 316	34 946	40 078
Whole	\$'000	246 315	308 807	383 530	376 677	311 085	209 555	208 048
China	\$'000	2 486	433	4 364	3 675	3 549	4 378	1 498
Chinese Taipei	\$'000	4 284	2 226	2 190	1 459	816	305	156
Germany	\$'000	1 352	1 254	726	166	1 320	600	354
Japan	\$'000	209 460	268 382	330 927	331 251	277 718	172 045	178 452
Saudi Arabia	\$'000	55	69	161	124	122	139	78
Singapore	\$'000	2 638	3 042	2 399	1 562	776	1 253	728
Thailand	\$'000	3 004	3 346	3 210	3 331	2 130	4 729	3 725
United States	\$'000	14 098	20 070	22 268	19 320	13 537	10 794	10 268
Other	\$'000	8 937	9 985	17 286	15 790	11 117	15 311	12 789
Fillets	\$'000	41 635	25 334	27 385	24 455	17 007	18 612	14 637
Japan	\$'000	11 134	9 074	3 420	1 689	1 222	1 318	878
Thailand	\$'000	615	52	2	10	239	268	7
United States	\$'000	24 848	11 373	15 763	15 411	8 541	11 306	6 121
Other	\$'000	5 038	4 836	8 199	7 346	7 005	5 720	7 631
Smoked, dried or salted	\$'000	14 019	15 703	15 958	18 608	19 471	20 047	13 687
Canned	\$'000	4 666	4 482	5 165	5 031	6 354	6 587	6 797
Other	\$'000	62 854	82 443	22 517	13 439	16 748	14 627	11 515
Chinese Taipei	\$'000	3 241	3 244	3 583	2 694	3 496	4 167	2 743
Japan	\$'000	52 538	67 897	8 270	2 950	6 701	4 971	2 611
New Zealand	\$'000	414	300	268	275	308	372	766
Other	\$'000	6 662	11 001	10 396	7 519	6 243	5 117	5 395
Total	\$'000	393 083	478 353	501 826	485 201	409 980	304 375	294 762

<sup>a</sup> Excludes tuna. <sup>b</sup> Product weight. na Not available.

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

# 120 Australian imports of fish, by product type and source

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity <sup>a</sup></b>								
Live	t	na	na	na	na	na	na	na
Fresh, chilled or frozen	t	54 893	54 249	57 960	60 090	64 475	59 847	59 724
Whole	t	16 274	16 980	20 842	23 408	24 846	21 368	18 157
New Zealand	t	8 697	9 810	9 909	11 586	13 429	9 563	8 543
Fillets	t	38 619	37 268	37 118	36 682	39 630	38 479	41 567
Chile	t	4 505	3 358	3 492	1 984	1 880	1 192	835
New Zealand	t	12 010	13 004	12 967	12 325	10 819	8 444	8 628
South Africa	t	5 868	5 793	6 139	5 256	5 144	3 989	2 625
Uganda	t	3 844	3 530	1 826	1 674	1 691	803	621
Smoked, dried or salted	t	4 706	2 941	2 151	2 801	2 811	2 957	3 074
South Africa	t	1 384	1 052	453	1 039	668	823	846
Denmark	t	357	303	534	581	895	936	923
Thailand	t	1 744	535	55	59	62	29	21
Canned	t	33 829	41 609	36 944	47 398	58 804	53 443	52 687
Canada	t	3 398	3 451	3 708	3 534	3 833	3 784	4 206
Thailand	t	18 862	24 676	22 771	30 142	44 266	38 872	36 952
United States	t	5 564	7 367	4 425	5 385	5 055	5 037	4 687
Other fish preparations	t	8 719	9 841	10 544	13 453	12 474	14 508	13 721
Japan	t	271	237	232	253	280	348	222
New Zealand	t	3 400	4 055	4 097	5 001	3 583	3 598	3 229
Thailand	t	2 323	2 416	2 825	3 915	3 746	5 462	4 524
Total	t	102 147	108 639	107 599	123 742	138 564	130 756	129 207
<b>Value</b>								
Live	\$'000	54	22	35	6	19	5	1
Fresh, chilled or frozen	\$'000	235 880	246 850	278 527	283 171	273 671	262 302	272 718
Whole	\$'000	57 751	59 823	68 935	77 118	78 122	72 742	71 421
New Zealand	\$'000	35 519	37 009	37 854	44 080	47 703	43 948	45 441
Fillets	\$'000	178 130	187 027	209 592	206 054	195 548	189 560	201 297
Chile	\$'000	14 837	12 380	12 524	6 554	4 925	3 330	2 352
New Zealand	\$'000	65 330	70 307	75 632	73 970	61 017	51 018	51 052
South Africa	\$'000	26 156	28 393	32 013	29 073	27 461	20 983	14 536
Uganda	\$'000	14 416	12 611	12 332	10 931	7 337	3 488	3 387
Smoked, dried or salted	\$'000	28 496	23 164	24 792	26 263	30 459	34 053	36 191
South Africa	\$'000	5 571	4 728	2 495	4 847	3 238	4 227	4 448
Denmark	\$'000	5 827	4 915	9 564	9 828	14 746	16 769	17 003
Thailand	\$'000	5 489	1 524	474	404	501	196	178
Canned	\$'000	161 421	193 656	182 209	218 762	186 148	188 745	228 710
Canada	\$'000	22 434	25 207	20 797	23 358	19 911	19 135	23 280
Thailand	\$'000	70 228	86 888	103 096	118 569	108 463	111 617	143 119
United States	\$'000	31 502	38 248	21 174	27 755	22 146	21 322	21 577
Other fish preparations	\$'000	37 424	45 514	51 138	62 352	54 510	62 181	64 451
Japan	\$'000	2 810	2 398	2 580	2 359	2 331	3 002	1 860
New Zealand	\$'000	13 077	15 702	17 519	22 555	17 690	17 345	15 945
Thailand	\$'000	9 333	10 254	11 548	14 689	11 957	15 814	14 352
Total	\$'000	463 275	509 207	536 701	590 553	544 806	547 285	602 070

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

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

# 121 Australian exports and imports of oysters, by country

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Exports</b>									
Quantity									
China	t	0	7	7	5	7	0	0	1
Chinese Taipei	t	0	2	7	5	2	0	1	1
Hong Kong, China	t	5	60	166	85	55	81	103	101
Japan	t	12	21	13	22	34	26	58	63
Singapore	t	52	60	40	77	60	6	5	9
Other	t	4	1	12	24	6	5	7	13
Total	t	73	152	246	219	163	119	174	187
Value									
China	\$'000	2	68	46	34	90	0	0	12
Chinese Taipei	\$'000	1	19	64	45	88	3	8	9
Hong Kong, China	\$'000	77	1 885	4 903	1 596	541	692	870	784
Japan	\$'000	105	133	201	265	542	326	719	777
Singapore	\$'000	388	757	744	1 000	428	106	82	86
Other	\$'000	39	21	325	561	52	55	66	115
Total	\$'000	613	2 884	6 283	3 501	1 742	1 182	1 746	1 783
<b>Imports</b>									
Quantity									
China	t	2	2	2	2	47	4	8	1
Hong Kong, China	t	3	1	2	2	3	1	1	2
Japan	t	17	32	15	18	30	41	11	0
Korea, Rep. of	t	2	12	11	18	28	28	15	0
New Zealand	t	597	612	565	580	685	674	872	673
Other	t	1	1	0	0	0	1	3	1
Total	t	622	660	596	621	792	749	910	678
Value									
China	\$'000	53	61	82	86	295	105	72	17
Hong Kong, China	\$'000	69	57	90	74	90	31	32	65
Japan	\$'000	210	403	219	237	364	440	113	1
Korea, Rep. of	\$'000	39	121	129	197	243	221	106	1
New Zealand	\$'000	4 540	4 549	3 872	4 134	5 933	5 981	6 631	5 710
Other	\$'000	27	22	21	13	0	19	21	13
Total	\$'000	4 938	5 213	4 414	4 740	6 926	6 797	6 975	5 808

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

# 122 Summary statistics for the Australian processed food industry

	Employment at 30 June <sup>a</sup>		Wages and salaries <sup>b</sup>		Sales and service income <sup>c</sup>		Industry value added	
	2002-03 '000	2003-04 '000	2002-03 \$m	2003-04 \$m	2002-03 \$m	2003-04 \$m	2002-03 \$m	2003-04 \$m
<b>Meat</b>								
Meat processing	32	29	1 117	1 034	9 293	10 034	1 733	1 658
Poultry processing	17	16	613	655	3 567	3 848	958	1 114
Bacon, ham and smallgoods	9	8	308	317	2 032	2 126	502	496
Total	57	52	2 037	2 006	14 891	16 008	3 193	3 269
<b>Dairy</b>								
Milk and cream processing	7	7	278	312	2 852	2 919	532	625
Ice cream	2	2	69	67	518	553	133	127
Other dairy products	11	11	496	522	5 501	5 519	942	795
Total	19	19	843	901	8 870	8 991	1 606	1 547
<b>Fruit and vegetables</b>	12	13	570	610	4 316	4 606	1 045	1 163
<b>Oil and fat</b>	3	3	161	169	1 764	1 683	379	406
<b>Flour mill and cereal food</b>								
Flour mill products	2	2	131	120	1 774	1 560	338	290
Cereal food and baking mixes	7	6	266	280	2 273	2 024	586	610
Total	9	8	398	400	4 048	3 584	925	899
<b>Bakery products</b>								
Bread	10	11	432	461	1 747	1 810	666	720
Cakes and pastry products	9	9	239	269	1 019	1 113	359	404
Biscuits	5	5	233	212	1 029	870	422	387
Total	25	25	904	941	3 795	3 794	1 447	1 510
<b>Other food</b>								
Sugar	5	5	247	232	2 400	2 005	476	302
Confectionery	9	10	614	559	3 796	3 758	1 352	1 311
Seafood	5	4	131	132	1 491	1 413	223	235
Prepared animal and bird feed	5	4	233	222	2 959	2 676	478	444
Food nec	18	20	682	753	5 032	5 307	1 278	1 221
Total	41	43	1 906	1 898	15 678	15 159	3 807	3 512
<b>Beverage and malt</b>								
Soft drink, cordial and syrup	7	7	356	350	3 401	3 310	1 009	1 052
Beer and malt	4	4	290	304	3 397	3 623	1 303	1 431
Wine	15	15	673	704	4 823	5 541	1 501	1 691
Spirits	na	na	na	na	na	na	na	na
Total <sup>d</sup>	26	27	1 318	1 358	11 621	12 474	3 813	4 174
Total food and beverages <sup>d</sup>	193	190	8 136	8 282	64 982	66 299	16 214	16 480

<sup>a</sup> Includes working proprietors. <sup>b</sup> Excludes drawings of working proprietors. <sup>c</sup> Previously turnover. <sup>d</sup> excludes spirits. **na** Not available.  
Sources: ABS, *Manufacturing Industry*, cat. no. 8221.0, Canberra; ABS unpublished data, Canberra.

# 123 Value of Australian food exports, by level of transformation

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	528	625	753	938	993	598	555	668
Fish or shellfish	517	639	771	867	772	676	584	657
<b>Horticulture</b>								
Vegetables	218	191	201	218	199	161	155	149
Fruit and nuts	372	396	476	561	531	406	461	447
Total	590	587	677	779	730	568	616	596
<b>Grains a</b>	4 193	4 208	5 294	5 854	3 873	4 654	4 672	4 280
<b>Oilseeds</b>	683	798	721	752	400	549	492	411
<b>Food nec</b>	88	54	81	59	72	45	44	47
<b>Substantially transformed</b>								
<b>Meat</b>								
Meat processing	3 986	4 440	5 770	6 215	5 625	5 722	6 901	6 668
Poultry processing	23	21	26	26	22	20	20	21
Bacon, ham and smallgoods	61	86	65	80	82	84	106	90
Total	4 070	4 548	5 862	6 320	5 729	5 826	7 028	6 779
<b>Seafood</b>	704	899	943	792	711	640	652	577
<b>Dairy</b>								
Milk and cream processing	1 056	1 126	1 550	1 650	1 176	1 073	1 107	1 210
Ice cream	41	36	34	32	29	35	41	39
Other dairy products	1 193	1 305	1 486	1 592	1 285	1 174	1 334	1 317
Total	2 291	2 467	3 070	3 275	2 490	2 282	2 482	2 565
<b>Fruit and vegetables</b>	480	522	566	656	528	508	502	548
<b>Oil and fat</b>	170	131	129	147	144	146	150	148
<b>Flour mill and cereal food</b>								
Flour mill products	204	209	207	233	213	202	222	222
Cereal food and baking mixes	513	529	544	400	257	217	213	245
Total	717	738	751	632	471	419	435	468
<b>Bakery products</b>								
Bread, cakes and pastry products	11	19	15	8	3	4	5	9
Biscuits	79	69	73	92	96	105	113	106
Total	89	88	88	99	99	109	117	115
<b>Other food</b>								
Sugar a	1 377	1 111	1 192	1 446	1 238	1 000	1 169	1 687
Confectionery	176	230	261	287	291	267	250	200
Food nec	734	900	1 087	1 148	876	931	935	965
Total	2 288	2 241	2 540	2 881	2 405	2 197	2 354	2 852
<b>Beverages and malt</b>								
Soft drink, cordial and syrup	23	26	45	30	47	37	35	34
Beer and malt	207	213	266	317	324	282	241	218
Wine	1 068	1 374	1 753	2 105	2 424	2 494	2 716	2 758
Spirit	38	55	73	81	72	59	75	71
Total	1 336	1 667	2 136	2 533	2 867	2 872	3 066	3 081
<b>Total food and beverages</b>								
Minimally transformed	6 601	6 911	8 297	9 249	6 840	7 090	6 963	6 658
Substantially transformed	11 899	13 027	15 781	17 000	15 083	14 657	16 454	16 853
Elaborately transformed	247	273	302	336	360	342	332	279
Total	18 747	20 211	24 380	26 585	22 284	22 089	23 749	23 791

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

# 124 Value of Australian food exports, to selected regions

	Asia		European Union		NAFTA	
	2004-05 \$m	2005-06 \$m	2004-05 \$m	2005-06 \$m	2004-05 \$m	2005-06 \$m
<b>Minimally transformed</b>						
Live animals except fish	302	302	0	1	3	10
Fish or shellfish	554	628	12	6	14	13
<b>Horticulture</b>						
Vegetables	98	87	16	16	0	1
Fruit and nuts	280	278	31	24	56	56
Total	378	364	47	40	57	57
<b>Grains a</b>						
Oilseeds	458	260	19	110	7	6
Food nec	20	23	8	6	4	3
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	4 132	4 065	239	208	1 968	1 725
Poultry processing	8	9	0	0	0	0
Bacon, ham and smallgoods	85	70	2	4	1	0
Total	4 225	4 144	241	212	1 969	1 726
<b>Seafood</b>						
	450	392	54	59	117	102
<b>Dairy</b>						
Milk and cream processing	816	926	23	16	31	45
Ice cream	30	26	0	0	0	0
Other dairy products	803	737	109	81	153	156
Total	1 649	1 689	132	97	184	201
<b>Fruit and vegetables</b>						
Oil and fat	199	204	89	85	56	50
Flour mill and cereal food	88	75	4	7	5	11
Flour mill products	139	146	1	1	41	47
Cereal food and baking mixes	56	53	5	5	4	6
Total	195	200	6	6	46	53
<b>Bakery products</b>						
Bread, cakes and pastry products	0	0	0	0	0	0
Biscuits	15	10	9	10	6	6
Total	16	10	9	10	6	6
<b>Other food</b>						
Sugar a	1 097	1 246	4	1	168	233
Confectionery	130	100	8	5	11	10
Food nec	566	612	36	37	26	25
Total	1 793	1 958	48	43	205	267
<b>Beverages and malt</b>						
Soft drink, cordial and syrup	4	5	1	1	0	1
Beer and malt	214	193	0	0	0	0
Wine	172	189	1 289	1 302	1 107	1 113
Spirit	34	25	2	4	1	1
Total	424	412	1 292	1 308	1 109	1 115
<b>Total food and beverage</b>						
Minimally transformed	4 935	3 740	208	227	85	90
Substantially transformed	8 929	9 003	1 859	1 812	3 682	3 517
Elaborately transformed	110	81	17	14	14	15
Total	13 974	12 824	2 083	2 053	3 782	3 621

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

# 125 Value of Australian food imports, by level of transformation

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Minimally transformed</b>								
Live animals except fish	1	1	0	1	0	0	1	1
Fish or shellfish	31	35	37	37	41	46	46	47
<b>Horticulture</b>								
Vegetables	24	27	26	24	27	34	32	41
Fruit and nuts	94	99	110	115	115	135	158	184
Total	118	126	136	139	142	169	189	226
<b>Grains</b>	1	1	0	0	65	1	1	1
<b>Oilseeds</b>	29	23	24	21	61	50	25	20
<b>Food nec</b>	172	155	114	59	72	45	44	47
<b>Substantially transformed</b>								
<b>Meat</b>								
Meat processing	51	133	105	206	172	224	345	290
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	28	29	31	36	39	40	41	43
Total	79	161	136	242	211	264	387	333
Seafood	720	751	843	865	923	868	928	997
<b>Dairy</b>								
Milk and cream processing	33	29	37	29	34	35	45	45
Ice cream	33	17	21	15	22	22	29	30
Other dairy products	207	230	261	277	275	272	310	357
Total	273	276	319	321	331	330	384	432
<b>Fruit and vegetables</b>	715	719	753	815	899	914	999	1 016
<b>Oil and fat</b>	288	271	275	280	357	345	339	362
<b>Flour mill and cereal food</b>								
Flour mill products	48	79	77	22	41	59	73	57
Cereal food and baking mixes	149	139	196	226	236	260	285	305
Total	197	219	273	248	277	319	358	362
<b>Bakery products</b>								
Bread, cakes and pastry products	76	81	92	57	29	39	47	48
Biscuits	62	80	82	106	152	160	177	199
Total	138	161	174	163	180	199	224	247
<b>Other food</b>								
Sugar	9	11	12	16	20	15	18	19
Confectionery	208	213	224	222	245	261	307	333
Food nec	729	757	858	923	1 033	961	1 036	1 074
Total	945	981	1 094	1 160	1 298	1 237	1 361	1 426
<b>Beverages and malt</b>								
Soft drink, cordial and syrup	276	330	405	421	461	502	537	571
Beer and malt	44	42	52	66	78	91	99	112
Wine	103	114	92	116	139	158	200	248
Spirit	232	252	330	351	327	345	382	403
Total	654	737	880	954	1 005	1 096	1 218	1 334
<b>Total food and beverages</b>								
Minimally transformed	352	342	312	258	382	311	306	341
Substantially transformed	3 893	4 140	4 604	4 876	5 278	5 355	5 970	6 250
Elaborately transformed	117	136	143	172	204	217	228	259
Total	4 361	4 618	5 059	5 306	5 863	5 883	6 503	6 850

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



# 126 Value of Australian food imports from selected regions

	Asia		European Union		NAFTA	
	2004-05 \$m	2005-06 \$m	2004-05 \$m	2005-06 \$m	2004-05 \$m	2005-06 \$m
<b>Minimally transformed</b>						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	1	1	1	0	0	0
<b>Horticulture</b>						
Vegetables	12	15	1	1	3	5
Fruit and nuts	20	23	7	6	60	61
Total	32	38	8	7	64	66
<b>Grains</b>						
Oilseeds	17	13	0	1	5	3
Food nec	43	52	4	4	2	2
<b>Substantially transformed</b>						
<b>Meat</b>						
Meat processing	0	0	121	101	194	158
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	1	1	7	6	14	14
Total	1	1	128	107	207	172
<b>Seafood</b>						
	602	652	45	44	52	58
<b>Dairy</b>						
Milk and cream processing	3	4	1	1	1	1
Ice cream	9	7	6	6	2	3
Other dairy products	4	5	81	85	5	6
Total	15	15	89	92	8	10
<b>Fruit and vegetables</b>						
	294	315	200	197	106	115
<b>Oil and fat</b>						
Flour mill and cereal food	129	149	146	174	3	5
Flour mill products	18	12	10	10	35	19
Cereal food and baking mix	167	178	67	79	7	10
Total	185	190	76	89	42	29
<b>Bakery products</b>						
Bread, cakes and pastry products	12	12	9	12	2	2
Biscuits	53	67	55	64	14	11
Total	66	78	64	77	17	14
<b>Other food</b>						
Sugar	8	11	3	2	2	2
Confectionery	57	65	134	150	19	18
Food nec	393	393	236	260	122	145
Total	458	468	373	412	142	165
<b>Beverages and malt</b>						
Soft drink, cordial and syrup	19	20	393	444	12	12
Beer and malt	6	8	58	50	25	45
Wine	0	1	112	130	2	2
Spirit	3	4	207	216	142	153
Total	29	33	771	839	182	212
<b>Total food and beverages</b>						
Minimally transformed	93	104	13	12	71	72
Substantially transformed	1 724	1 832	1 822	1 945	743	765
Elaborately transformed	55	70	70	87	17	14
Total	1 872	2 007	1 906	2 044	831	851

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

127 Value of world food imports, by level of transformation <sup>a</sup>

	2000 US\$m	2001 US\$m	2002 US\$m	2003 US\$m	2004 US\$m	Share b %
<b>Minimally transformed</b>						
Live animals except fish	9 344	8 758	9 326	9 318	10 193	1.9
<b>Fish or shellfish</b>						
Fish, live or fresh	24 908	26 098	26 839	29 400	32 856	5.7
Fish, dried, salted or smoked	2 779	2 788	2 599	2 856	3 182	0.6
Shellfish	19 010	18 066	18 129	19 971	21 041	3.9
<b>Horticulture</b>						
Vegetables	21 263	23 043	24 250	27 701	30 743	5.2
Fruit and nuts	31 012	31 730	34 226	40 742	46 139	7.5
Cocoa	4 617	4 886	6 739	9 557	8 969	1.4
Eggs, albumin	1 365	1 441	1 528	1 866	2 074	0.3
<b>Grains and oilseeds</b>						
Barley	2 911	2 686	2 615	2 823	3 401	0.6
Maize	9 541	9 431	10 410	11 865	13 583	2.2
Oilseeds, not soft oil	772	781	849	982	1 185	0.2
Oilseeds, soft oil	14 922	15 913	15 935	21 490	24 944	3.8
Rice	6 225	5 808	6 090	6 982	7 851	1.4
Wheat or meslin	15 130	15 385	16 436	16 646	20 608	3.5
Other cereal grains, nec	1 604	1 576	1 612	1 704	1 840	0.3
<b>Substantially transformed</b>						
<b>Meat</b>						
Beef, fresh, chilled or frozen	14 149	12 535	13 771	16 015	17 704	3.0
Meat, fresh, chilled or frozen	23 369	25 727	25 709	29 193	33 422	5.6
Meat or offal, preserved	1 727	2 231	2 164	2 512	2 480	0.5
Meat or offal, preserved, nec	5 377	5 798	6 181	7 220	8 531	1.4
<b>Dairy</b>						
Milk products, excluding butter and cheese	14 035	14 718	14 191	16 719	19 302	3.2
Butter and cheese	2 717	2 825	2 916	3 630	4 131	0.7
Cheese and curd	9 488	10 365	11 006	13 160	15 345	2.4
Fish or shellfish	9 672	9 743	10 440	11 453	12 881	2.2
<b>Cereal products</b>						
Flour or meal from wheat or meslin	1 398	1 346	1 360	1 412	1 797	0.3
Cereal flour or meal, nec	380	449	467	568	639	0.1
Cereal etc flour or starch	13 360	14 569	16 352	19 531	22 487	3.5
<b>Horticulture</b>						
Vegetables, prepared or preserved	9 774	10 008	10 753	12 422	14 176	2.3
Fruit, prepared or preserved	6 241	6 218	6 686	8 148	9 318	1.5
Fruit or vegetable juices	6 639	6 136	6 792	8 065	8 348	1.5
<b>Sugar and confectionery</b>						
Sugar, molasses and honey	11 059	13 635	13 028	14 058	15 338	2.8
Sugar confectionery	3 997	4 063	4 392	5 237	5 831	1.0
Chocolate and cocoa preparations	6 657	7 217	7 893	9 600	11 080	1.7

Continued

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

	2000	2001	2002	2003	2004	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Margarine and shortening	1 307	1 269	1 375	1 624	2 018	0.3
Animal oil or fat	1 629	1 570	1 774	2 133	2 592	0.4
Vegetable oil or fat, fixed, soft	8 810	8 798	10 706	13 397	15 842	2.4
Vegetable oils, fixed, not soft	6 846	6 389	8 668	11 689	14 071	2.0
Animal or vegetable oils, processed	2 818	2 779	3 116	3 847	4 469	0.7
<b>Other food</b>						
Coffee and coffee substitutes	12 263	9 506	8 970	10 723	12 337	2.2
Tea and mate	3 013	3 005	3 016	3 160	3 439	0.6
Spices	2 807	2 671	2 613	2 988	3 161	0.6
Edible products, nec	17 821	19 448	21 268	25 239	29 467	4.6
<b>Beverage</b>						
Beverages, nonalcoholic, nec	4 967	5 559	6 371	7 480	8 715	1.4
Alcoholic beverages	28 923	30 186	32 672	37 855	42 819	7.1
Animal feed <sup>c</sup>	21 840	23 285	24 467	27 336	32 328	5.3
<b>Total</b>	<b>418 488</b>	<b>430 439</b>	<b>456 701</b>	<b>530 316</b>	<b>602 678</b>	<b>100.0</b>

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 2000–2004. <sup>c</sup> Excludes unmilled cereal.

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

# 128 Value of world trade in processed foods, by major exporting countries <sup>a</sup>

	2000	2001	2002	2003	2004	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Meat</b>						
Australia	2 913	3 281	3 240	3 455	4 804	7.0
Denmark	3 335	3 741	3 568	3 961	4 690	7.6
France	3 343	2 926	3 026	3 675	3 961	6.7
Netherlands	4 294	3 933	4 116	4 911	5 726	9.1
United States	7 305	7 239	6 354	7 261	5 195	13.1
Other	22 274	24 606	26 082	30 932	39 740	56.6
Total	43 463	45 727	46 387	54 195	64 117	100.0
<b>Dairy</b>						
Australia	1 573	1 568	1 569	1 349	1 746	5.0
France	3 716	3 709	3 878	4 663	5 186	13.5
Germany	4 093	4 507	3 886	5 327	6 301	15.4
Netherlands	3 118	3 356	3 311	4 358	4 721	12.1
New Zealand	2 125	2 679	2 418	2 771	3 316	8.5
Other	11 829	12 845	12 556	15 201	18 660	45.5
Total	26 454	28 664	27 618	33 668	39 931	100.0
<b>Seafood</b>						
Australia	94	63	45	74	77	0.7
China	1 391	1 428	1 628	1 923	2 594	17.0
Denmark	397	445	452	533	594	4.6
Korea, Rep. of	312	262	232	203	207	2.3
Thailand	2 058	2 012	2 012	2 145	2 145	19.7
Other	5 035	5 285	5 570	6 406	6 981	55.7
Total	9 287	9 495	9 940	11 285	12 598	100.0
<b>Horticulture</b>						
Australia	138	124	140	177	178	0.6
China	1 685	1 869	2 155	2 684	3 207	9.1
Italy	1 552	1 615	1 863	2 178	2 286	7.5
Netherlands	1 885	1 859	2 053	2 453	2 729	8.6
United States	2 378	2 272	2 258	2 252	2 370	9.1
Other	13 960	14 035	15 414	18 605	20 695	65.1
Total	21 598	21 775	23 883	28 349	31 465	100.0
<b>Beverages <sup>c</sup></b>						
Australia	991	1 089	1 370	1 646	2 088	3.5
France	7 918	7 600	8 562	10 380	11 102	22.1
Germany	1 512	1 853	2 229	2 824	3 148	5.6
Italy	3 037	3 148	3 669	4 238	4 861	9.2
United Kingdom	4 655	4 661	4 990	5 721	6 120	12.7
Other	15 339	16 577	18 185	21 718	24 818	46.9
Total	33 453	34 928	39 005	46 527	52 138	100.0
<b>Sugar and confectionery</b>						
Australia	231	219	244	259	317	1.0
Belgium-Luxembourg	1 737	1 711	1 859	2 278	2 588	7.9
Brazil	1 359	2 485	2 302	2 442	2 987	9.0
France	2 019	1 905	2 140	2 373	2 598	8.6
Germany	1 874	2 214	2 298	2 785	3 218	9.6
Other	13 622	15 272	15 764	18 049	19 814	64.0
Total	20 842	23 805	24 608	28 185	31 521	100.0

Continued

# 128 Value of world trade in processed foods, by major exporting countries <sup>a</sup> continued

	2000	2001	2002	2003	2004	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Argentina	1 691	1 642	2 096	2 842	3 171	8.3
Australia	220	203	215	260	319	0.9
Malaysia	3 515	3 355	4 837	6 503	7 193	18.5
Netherlands	1 224	1 270	1 632	2 005	2 333	6.2
United States	1 503	1 455	1 978	2 067	2 063	6.6
Other	12 189	12 064	15 377	18 923	23 387	59.6
Total	20 342	19 990	26 135	32 600	38 466	100.0
<b>Animal feed <sup>d</sup></b>						
Argentina	2 433	2 627	2 790	3 500	3 835	12.8
Australia	565	483	522	540	708	2.4
Brazil	1 716	2 167	2 300	2 713	3 402	10.4
Netherlands	1 670	1 617	1 886	2 144	2 808	8.5
United States	3 975	4 414	4 068	4 109	3 925	17.3
Other	9 672	10 406	11 022	12 510	14 241	48.7
Total	20 031	21 714	22 588	25 518	28 919	100.0
<b>Cereal products</b>						
Australia	275	289	319	364	448	1.7
Belgium-Luxembourg	1 308	1 499	1 651	2 007	2 317	8.9
France	1 505	1 534	1 736	2 177	2 531	9.6
Germany	1 503	1 668	1 914	2 431	2 993	10.6
Italy	1 721	1 854	2 034	2 352	2 644	10.7
Other	9 282	9 861	11 094	12 919	14 584	58.4
Total	15 592	16 705	18 749	22 251	25 518	100.0
<b>Other processed food</b>						
Australia	232	211	228	300	333	0.7
Brazil	2 258	1 826	1 681	1 836	2 419	5.4
France	1 387	1 450	1 591	1 959	2 207	4.6
Netherlands	1 638	1 703	1 969	2 488	3 256	5.9
United States	3 204	3 398	3 323	3 706	4 057	9.4
Other	25 528	24 248	25 102	29 497	34 137	74.0
Total	34 246	32 836	33 894	39 785	46 408	100.0
<b>All processed food</b>						
Australia	7 231	7 532	7 892	8 423	11 017	2.9
France	22 737	21 840	23 962	28 954	31 734	8.8
Germany	17 390	20 113	21 132	25 923	30 494	7.8
Netherlands	17 365	17 673	19 504	23 830	27 438	7.2
United States	23 184	24 027	23 123	24 974	24 115	8.1
Other	157 399	164 453	177 194	210 257	246 281	65.1
Total	245 307	255 638	272 807	322 362	371 079	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 2000-2004. <sup>c</sup> Alcoholic and nonalcoholic. <sup>d</sup> Excludes unmilled cereal.

Sources: International Trade Centre UNCTAD/WTO; ABARE.

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

	2000	2001	2002	2003	2004	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Meat</b>						
Australia	98	90	117	152	208	0.3
Germany	3 589	4 059	3 918	4 356	5 022	8.2
Italy	3 083	3 001	3 077	3 807	4 366	6.8
Japan	8 551	8 409	7 776	8 655	9 124	16.6
United Kingdom	3 626	3 987	4 350	5 477	6 501	9.4
Other	25 676	26 746	28 588	32 493	36 917	58.8
Total	44 622	46 291	47 826	54 939	62 138	100.0
<b>Dairy</b>						
Australia	166	165	157	200	255	0.6
Belgium-Luxembourg	1 972	2 048	2 101	2 596	2 946	7.5
Germany	2 551	2 958	3 214	4 093	4 519	11.2
Italy	2 409	2 455	2 396	3 031	3 447	8.9
Netherlands	1 846	1 694	1 811	2 257	2 532	6.6
Other	17 297	18 588	18 434	21 333	25 079	65.2
Total	26 240	27 908	28 113	33 510	38 778	100.0
<b>Seafood</b>						
Australia	172	171	179	215	234	1.8
France	595	613	716	810	884	6.7
Japan	2 499	2 239	2 284	2 170	2 707	22.0
United Kingdom	721	780	791	842	947	7.5
United States	1 821	1 951	2 157	2 362	2 576	20.1
Other	3 865	3 989	4 313	5 055	5 533	42.0
Total	9 672	9 743	10 440	11 453	12 881	100.0
<b>Horticulture</b>						
Australia	249	217	241	322	407	1.1
France	1 861	1 721	1 972	2 450	2 824	8.3
Germany	2 704	2 915	3 100	3 858	4 145	12.9
Japan	2 558	2 499	2 355	2 463	2 803	9.8
United States	3 201	3 145	3 374	3 907	4 282	13.8
Other	12 082	11 866	13 189	15 634	17 382	54.1
Total	22 655	22 362	24 231	28 634	31 843	100.0
<b>Beverages <sup>c</sup></b>						
Australia	377	371	368	458	575	1.0
Germany	2 955	3 333	3 557	3 770	4 025	8.6
Japan	1 995	1 935	1 893	2 075	2 309	5.0
United Kingdom	4 101	4 211	4 674	5 424	6 523	12.1
United States	8 567	8 964	9 959	11 244	12 085	24.7
Other	15 896	16 930	18 592	22 363	26 018	48.6
Total	33 890	35 744	39 043	45 335	51 534	100.0
<b>Sugar and confectionery</b>						
Australia	157	139	154	214	251	0.7
France	1 346	1 302	1 513	1 849	2 131	6.1
Germany	1 429	1 671	1 760	2 336	2 587	7.4
United Kingdom	1 675	1 698	1 843	2 132	2 569	7.5
United States	2 378	2 534	2 894	3 400	3 476	11.0
Other	14 728	17 571	17 147	18 964	21 235	67.4
Total	21 713	24 914	25 312	28 895	32 248	100.0

Continued

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

	2000	2001	2002	2003	2004	Share <sup>b</sup>
	US\$m	US\$m	US\$m	US\$m	US\$m	%
<b>Animal and vegetable oil</b>						
Australia	181	152	193	246	295	0.8
Germany	1 122	1 121	1 316	1 664	2 102	5.2
Italy	1 254	1 339	1 665	2 070	2 588	6.4
United Kingdom	903	866	919	1 144	1 297	3.7
United States	1 508	1 297	1 458	1 707	2 437	6.0
Other	16 443	16 030	20 087	25 859	30 274	77.9
Total	21 411	20 806	25 639	32 690	38 993	100.0
<b>Animal feed <sup>d</sup></b>						
Australia	97	122	165	202	196	0.6
China	908	639	772	659	947	3.0
France	1 428	1 484	1 521	1 800	1 958	6.3
Germany	1 479	1 679	1 705	1 846	2 158	6.9
Japan	2 036	2 114	2 155	2 309	2 533	8.6
Other	15 893	17 248	18 149	20 519	24 536	74.5
Total	21 840	23 285	24 467	27 336	32 328	100.0
<b>Cereal products</b>						
Australia	163	129	137	187	234	0.9
France	1 248	1 266	1 432	1 725	1 986	8.0
Germany	1 060	1 310	1 468	1 693	1 874	7.7
United Kingdom	998	1 092	1 275	1 515	1 891	7.0
United States	1 855	2 004	2 286	2 634	2 883	12.1
Other	9 813	10 562	11 581	13 756	16 056	64.3
Total	15 137	16 364	18 179	21 510	24 923	100.0
<b>Other processed food</b>						
Australia	713	647	713	895	1 027	2.0
France	1 757	1 628	1 784	2 260	2 428	5.0
Germany	3 117	2 901	2 796	3 419	4 071	8.3
Japan	2 451	2 308	2 234	2 391	2 771	6.2
United States	4 871	4 059	4 401	4 980	5 686	12.2
Other	22 996	23 087	23 938	28 164	32 420	66.3
Total	35 904	34 630	35 867	42 109	48 403	100.0
<b>All processed food</b>						
Australia	2 372	2 203	2 426	3 091	3 683	0.9
Germany	20 489	22 479	23 399	27 694	31 175	8.4
Japan	22 883	22 353	21 567	23 216	25 840	7.8
United Kingdom	18 446	18 889	20 540	24 919	29 666	7.5
United States	29 911	30 125	32 784	36 781	41 696	11.5
Other	158 982	165 998	178 401	210 709	242 010	64.0
Total	253 084	262 048	279 117	326 412	374 069	100.0

<sup>a</sup> Based on over 100 reporting countries representing more than 90 per cent of world trade. <sup>b</sup> Average, 2000–2004. <sup>c</sup> Alcoholic and nonalcoholic. <sup>d</sup> Excludes unmilled cereal.

Sources: International Trade Centre, UNCTAD/WTO.

130 Summary of Australian statistics for roundwood <sup>a</sup>

	Removals of roundwood <sup>a</sup>			Imports <sup>b</sup>	Exports <sup>b</sup>	Consumption	Consumption per person
	Broadleaved	Coniferous	Total				
	'000 m <sup>3</sup>	'000 m <sup>3</sup>	'000 m <sup>3</sup>				
1960-61	9 135	1 664	10 799	4 101	271	14 629	1.39
1961-62	8 376	1 678	10 054	2 969	348	12 675	1.18
1962-63	8 784	1 869	10 653	3 423	276	13 800	1.26
1963-64	9 341	1 934	11 275	3 774	315	14 734	1.32
1964-65	9 555	2 054	11 609	4 138	308	15 439	1.36
1965-66	9 583	2 169	11 752	4 002	243	15 511	1.34
1966-67	9 144	2 183	11 327	4 110	414	15 023	1.27
1967-68	9 187	2 238	11 425	4 396	301	15 520	1.29
1968-69	8 987	2 344	11 331	4 624	342	15 613	1.27
1969-70	9 106	2 415	11 521	4 904	406	16 019	1.28
1970-71	9 256	2 555	11 811	4 999	435	16 375	1.25
1971-72	8 988	2 673	11 661	4 603	465	15 799	1.19
1972-73	9 778	2 808	12 586	5 937	2 110	16 413	1.22
1973-74	11 063	2 636	13 699	4 896	2 860	15 735	1.15
1974-75	10 921	2 850	13 771	5 404	3 145	16 030	1.15
1975-76	9 995	2 877	12 872	4 752	2 798	14 826	1.06
1976-77	11 331	3 078	14 409	5 558	3 831	16 136	1.14
1977-78	11 259	3 282	14 541	4 690	3 670	15 561	1.08
1978-79	10 595	3 381	13 976	5 478	4 156	15 298	1.05
1979-80	11 720	3 866	15 586	5 667	5 185	16 068	1.09
1980-81	11 464	4 447	15 911	6 019	4 568	17 362	1.16
1981-82	10 348	4 524	14 872	6 403	4 245	17 030	1.12
1982-83	9 217	4 442	13 659	4 694	4 206	14 147	0.92
1983-84	10 537	4 689	15 226	5 856	4 586	16 496	1.06
1984-85	10 919	5 768	16 687	7 195	4 626	19 256	1.22
1985-86	10 949	5 958	16 907	6 943	4 836	19 014	1.19
1986-87	11 222	5 516	16 738	6 333	5 845	17 226	1.06
1987-88	11 162	5 686	16 848	7 894	5 654	19 088	1.15
1988-89	11 475	6 153	17 628	8 069	5 093	20 604	1.23
1989-90	10 534	7 030	17 564	7 947	5 266	20 245	1.19
1990-91	10 037	6 553	16 590	6 836	5 522	17 904	1.04
1991-92	9 512	7 141	16 653	7 351	5 748	18 256	1.04
1992-93	9 801	7 866	17 667	7 697	6 106	19 258	1.09
1993-94	9 793	8 969	18 762	7 681	6 689	19 754	1.11
1994-95	10 857	8 703	19 560	8 915	7 976	20 499	1.13
1995-96	9 920	9 305	19 225	6 918	7 384	18 759	1.02
1996-97	9 442	10 562	20 003	7 502	8 462	19 043	1.03
1997-98	9 793	11 016	20 808	8 047	10 302	18 553	0.99
1998-99	9 864	11 816	21 680	8 124	9 914	19 890	1.05
1999-00	12 173	12 484	24 657	9 585	12 350	21 892	1.14
2000-01	11 934	12 700	24 634	8 480	13 187	19 927	1.03
2001-02	11 128	13 360	24 488	8 420	13 690	19 217	0.98
2002-03	12 116	13 916	26 032	9 195	14 882	20 345	1.02
2003-04	12 274	14 812	27 087	10 091	14 931	22 246	1.11
2004-05	12 992	14 215	27 207	10 512	15 150	22 569	1.11
2005-06 <sup>s</sup>	12 567	14 410	26 977	10 008	15 084	21 901	1.07

<sup>a</sup> Gross roundwood equivalent (GRWE) of industrial log removals. Excludes log removals for firewood. <sup>b</sup> Estimated GRWE of forest products, including sawnwood, wood based panels, pulp, paper and paperboard, and woodchips. <sup>s</sup> ABARE estimate. <sup>na</sup> Not available. Sources: ABARE; ABS, *International trade, Australia*, cat. no. 5465.0, Canberra; Forestry and Timber Bureau, Department of National Development, *Compendium of Australian Forest Products Statistics: 1935-36 to 1967*, Canberra.



# 131 Land areas by vegetation cover <sup>a</sup>

	NSW	Vic.	Qld	WA	SA	Tas.	NT	ACT	Aust.
	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
<b>Closed forest</b>	486	18	2 952	169	15	598	406	0	4 644
(% of land area)	0.61	0.08	1.71	0.07	0.02	8.82	0.30	0.00	0.60
<b>Open forest</b>	19 786	5 486	6 768	3 327	2 112	889	7 139	96	45 603
(% of land area)	24.68	24.10	3.92	1.32	2.15	13.12	5.30	39.92	5.94
<b>Woodland forest</b>	2 755	2 431	39 739	21 869	8 739	1 682	25 290	22	102 526
(% of land area)	3.44	10.68	23.01	8.66	8.88	24.81	18.79	9.03	13.35
<b>Plantation <sup>b</sup></b>	332	385	226	378	167	227	16	10	1 739
(% of land area)	0.41	1.69	0.13	0.15	0.17	3.35	0.01	3.96	0.23
<b>Unknown</b>	3 632		6 275						9 907
(% of land area)	4.53		3.63						1.29
<b>Total forest</b>									
vegetation cover	26 990	8 319	55 960	25 742	11 033	3 397	32 852	127	164 419
(% of land area)	33.67	36.55	32.40	10.19	11.21	50.10	24.40	52.91	21.40
<b>Total land area</b>	80 160	22 760	172 720	252 550	98 400	6 780	134 620	240	768 230

<sup>a</sup> NFI 2005. <sup>b</sup> As at June 2005.

Source: National Forest Inventory 2003, National Plantation Inventory 2006, Bureau of Rural Sciences, Canberra.

## 132 Australian prices of selected forest products

	Timber, panels and joinery <sup>a</sup> index	Structural timber		Plywood and board <sup>b</sup> index	Hardwood chips <sup>c</sup> \$/bdt	Softwood chips <sup>c</sup> \$/bdt	Newsprint <sup>d</sup> \$/t
		Hardwood <sup>b</sup> index	Softwood <sup>b</sup> index				
1980-81	50.3	50.2	53.1	49.1	na	na	na
1981-82	54.1	55.7	55.4	53.9	na	na	na
1982-83	57.7	60.4	60.1	60.6	na	na	na
1983-84	63.0	65.2	65.7	64.4	na	na	na
1984-85	70.1	72.2	72.6	67.3	na	na	na
1985-86	75.7	76.5	79.7	72.6	na	na	na
1986-87	79.2	79.9	81.7	75.3	na	na	na
1987-88	84.0	82.8	83.5	83.6	na	na	na
1988-89	93.4	94.4	94.0	92.9	144.00	101.83	672.23
1989-90	100.0	100.0	100.0	100.0	147.03	115.34	708.97
1990-91	101.9	101.7	103.7	104.0	147.89	126.74	708.76
1991-92	100.1	100.1	100.9	107.1	150.90	149.32	716.31
1992-93	103.8	105.0	109.2	106.9	148.34	149.22	687.75
1993-94	115.6	114.0	137.4	113.9	149.90	137.75	703.22
1994-95	118.8	122.7	137.4	117.5	152.76	140.65	715.79
1995-96	116.4	121.7	127.8	111.0	160.45	167.50	1 007.91
1996-97	116.2	118.6	123.2	108.2	161.96	138.58	888.20
1997-98	118.8	121.6	129.2	109.0	151.57	144.16	900.13
1998-99	120.6	126.8	133.0	108.7	152.02	147.52	930.02
1999-00	127.1	138.1	137.9	110.9	140.35 <sup>s</sup>	137.00 <sup>s</sup>	942.99
2000-01	133.3	150.5	139.5	114.2	146.26	158.39	961.77
2001-02	134.6	153.2	139.5	117.2	149.34	157.57	993.54
2002-03	138.1	157.5	142.6	121.7	150.81	138.71	922.91
2003-04	141.7	161.4	145.3	125.5	156.93	128.15	912.47
2004-05	144.1	na	na	na	158.40	132.56	868.61
2005-06	144.5	na	na	na	160.53	138.35	838.59

<sup>a</sup> Price index of materials used in house building; base 1989-90 = 100. <sup>b</sup> Price indexes of materials used in building other than house building; base 1989-90 = 100. Discontinued from September quarter 2004. <sup>c</sup> Average unit fob value of Australian exports in bone dry tonnes. <sup>d</sup> Average unit value of Australian imports, fob New Zealand. <sup>s</sup> ABARE estimate. **na** Not available.  
Sources: ABS, *Price Index of Materials Used in Building Other Than House Building, Eight Capital Cities*, cat. no. 6407.0, Canberra; ABS, *Producer Price Index*, cat. no. 6427.0, Canberra; ABARE.

133 Value of turnover in forest products industries <sup>a</sup>

	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>ANZSIC group and class</b>							
<b>Wood and wood products</b>							
Log sawmilling	771	729	881	694	1 376	1 395	1 569
Resawn and dressed timber	1 215	1 177	1 287	1 633	1 626	2 010	1 988
Veneers, plywood and fabricated wood manufacturing	1 081	1 143	1 239	1 316	1 522	1 679	1 821
Wooden structural fittings and joinery nec	2 184	2 512	3 241	2 624	2 671	3 057	3 327
Hardwood woodchips	507	448	517	243	536	649	655
Wood products nec	560	589	682	617	1 023	1 077	1 143
Total	6 319	6 599	7 846	7 126	8 757	9 972	10 503
<b>Paper and paper products</b>							
Pulp, paper and paperboard	1 961	2 114	2 277	2 663	2 629	1 933	1 860
Paper bags including sack manufacturing	278	310	1 899	261	346	353	357
Solid fibreboard containers	506	556	551	714	659	649	518
Corrugated fibreboard containers	1 440	1 537	na <sup>b</sup>	2 629	2 420	3 203	3 275
Paper products nec	993	1 085	1 054	1 686	1 754	1 922	2 114
Total	5 179	5 602	5 780	7 951	7 808	8 059	8 124
Total value	11 498	12 201	13 626	15 077	16 563	17 926	18 627

<sup>a</sup> Turnover is defined as follows: sales of goods whether produced by the establishment or not, plus transfers out of goods to other establishments of the same enterprise, plus bounties and subsidies on production, plus all other operating revenue from outside the enterprise such as commission, repair and service revenue, plus capital work done for own use or for rental or lease. Receipts from rent, leasing, interest other than hire purchase, royalties and the sale of fixed tangible assets are excluded. Since 1988-89, full ABS censuses of manufacturing establishments have been conducted triennially. <sup>b</sup> Included with Paper bags including sack manufacturing. **na** Not available.  
Source: ABS, *Manufacturing Industry, Australia*, cat. no. 8221.0, Canberra.

134 Employment in forest products industries <sup>a</sup>

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	'000	'000	'000	'000	'000	'000	'000
Forestry and logging	8.7	13.5	13.2	9.7	12.1	12.2	11.3
<b>Manufacturing industries <sup>a</sup></b>							
<b>Wood and wood products</b>							
Log sawmilling	6.5	5.3	8.6	7.7	9.5	na	na
Resawn and dressed timber	6.2	7.9	7.2	7.1	6.9	na	na
Veneers, plywood and fabricated wood manufacturing	4.9	5.5	5.5	5.7	5.8	na	na
<b>Wooden structural fittings and joinery nec</b>	22.2	20.2	20.1	20.8	22.3	na	na
Hardwood woodchips	0.8	0.6	1.2	1.2	1.1	na	na
Wood products nec	6.2	5.7	9.9	9.6	9.5	na	na
Total	46.8	45.3	52.5	52.1	55.1	na	na
<b>Paper and paper products</b>							
Pulp, paper and paperboard	4.3	5.1	4.6	4.5	4.0	na	na
Paper bags including sack manufacturing	1.4	1.3	1.3	1.3	1.1	na	na
Solid fibreboard containers	2.6	2.9	2.9	2.9	2.2	na	na
Corrugated fibreboard containers	4.9	5.9	6.0	6.1	6.1	na	na
Paper products nec	3.6	4.6	4.9	5.4	5.6	na	na
Total wood	16.9	19.7	19.7	20.1	19.0	17.6	na
<b>Total forestry manufacturing industries</b>	63.6	65.0	72.2	72.3	74.1	71.3	71.6
Total employment	72.4	78.5	85.4	82.0	86.2	83.5	82.9

<sup>a</sup> ANZSIC group and class. Based on PAYE employment statistics excluding volunteers. na Not available.

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

135 Value of Australian forest products trade <sup>a</sup>

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Imports</b>							
Roundwood	0.8	0.9	0.7	1.8	1.1	1.0	0.4
Sawnwood							
Coniferous roughsawn	282.3	197.3	190.6	223.8	211.6	182.3	150.3
Coniferous dressed	156.1	123.4	149.7	175.9	181.7	188.7	150.5
Broadleaved roughsawn	62.4	59.7	58.0	64.7	58.3	63.1	65.2
Broadleaved dressed	47.3	47.2	44.2	40.3	50.3	57.9	53.5
Total	548.1	427.7	442.5	504.7	501.9	492.0	419.4
Railway sleepers	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Miscellaneous forest products <sup>b</sup>	475.9	461.5	528.1	589.3	583.5	586.1	527.5
Veneer	25.9	22.9	22.3	26.0	23.1	24.3	24.9
Plywood	77.4	64.9	80.0	111.6	112.1	127.7	133.2
Particleboard	11.3	13.8	18.7	21.5	17.2	24.4	13.7
Hardboard	6.6	5.5	7.1	6.0	10.7	18.8	27.3
Medium density fibreboard	55.4	34.7	31.7	29.4	22.9	15.0	21.6
Softboard and other fibreboard	12.7	9.7	9.9	11.8	7.1	8.4	10.4
Paper and paperboard							
Newsprint	257.9	277.5	219.8	243.9	261.0	260.7	266.9
Printing and writing	1 141.8	1 181.7	1 285.2	1 446.1	1 422.5	1 442.6	1 431.6
Household and sanitary	89.2	94.7	102.5	117.9	137.9	127.9	151.6
Packaging and industrial	508.8	534.1	403.3	303.2	280.8	306.7	299.2
Total	1 997.7	2 088.0	2 010.9	2 111.2	2 102.1	2 137.9	2 149.4
Paper manufactures <sup>c</sup>	356.2	377.5	373.2	409.9	375.3	442.0	463.2
Wastepaper	7.4	8.8	4.6	8.0	4.7	2.3	1.5
Pulp	219.8	316.6	221.3	253.7	235.1	225.1	225.0
Pulpwood	1.6	1.4	1.2	1.5	1.4	2.0	2.1
<b>Total</b>	<b>3 797.0</b>	<b>3 834.1</b>	<b>3 752.1</b>	<b>4 086.3</b>	<b>3 998.2</b>	<b>4 107.1</b>	<b>4 019.7</b>

*Continued*

135 Value of Australian forest products trade <sup>a</sup> continued

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Exports</b>							
Roundwood	69.75	66.77	89.08	106.82	113.63	72.53	82.35
Sawnwood							
Coniferous roughsawn	3.09	12.49	15.86	13.10	18.20	40.72	63.25
Coniferous dressed	16.89	12.03	14.27	14.05	16.40	20.94	14.48
Broadleaved roughsawn	25.52	24.23	28.85	33.66	28.23	26.63	29.56
Broadleaved dressed	5.73	10.17	6.88	7.91	9.28	10.90	11.17
Total	51.23	58.92	65.87	68.72	72.12	99.19	118.45
Railway sleepers	6.21	9.03	6.54	4.37	4.21	3.99	3.68
Miscellaneous forest products <sup>b</sup>	61.62	71.16	54.66	53.03	49.42	65.38	59.54
Veneer	6.29	8.06	7.93	5.81	6.72	4.52	5.78
Plywood	2.73	2.98	5.31	2.62	2.95	4.81	3.85
Particleboard	21.52	26.49	26.66	17.41	11.26	6.35	6.23
Hardboard	6.29	10.63	5.99	4.00	5.81	4.50	4.63
Medium density fibreboard	98.69	150.56	162.43	145.57	112.45	118.89	120.95
Softboard and other fibreboard	11.79	7.79	6.56	9.91	9.26	11.37	9.60
Paper and paperboard							
Newsprint	1.58	2.56	1.27	0.92	0.23	0.67	0.16
Printing and writing	121.09	145.63	281.41	213.24	170.08	182.26	144.88
Household and sanitary	80.11	80.48	94.82	97.19	116.99	102.19	92.39
Packaging and industrial	287.86	300.18	263.00	314.40	342.25	336.54	355.64
Total	490.63	528.85	640.50	625.74	629.56	621.66	593.08
Paper manufactures <sup>c</sup>	65.85	83.82	141.79	156.77	136.11	116.14	116.11
Wastepaper	39.89	39.73	55.45	49.65	52.59	96.65	140.14
Pulp	1.59	4.55	2.84	2.12	1.37	4.40	5.47
Woodchips	646.10	743.77	711.99	807.95	794.44	858.24	839.03
<b>Total</b>	<b>1 580.20</b>	<b>1 813.11</b>	<b>1 983.60</b>	<b>2 060.50</b>	<b>2 001.91</b>	<b>2 088.64</b>	<b>2 108.88</b>

<sup>a</sup> Values are duty or customs values for imports and fob 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 wood furniture. <sup>c</sup> Includes such items as boxes, bags, account books, note books, letter pads and other paper stationery.

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

# 136 Australian production, trade and consumption of sawnwood

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	'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>Broadleaved (hardwood)</b>							
Production	1 471	1 287	1 338	1 323	1 253	1 231	1 188
Imports	124	107	104	115	142	147	131
Exports	45	30	38	41	36	40	41
Consumption	1 550	1 360	1 404	1 397	1 359	1 338	1 278
<b>Coniferous (softwood)</b>							
Production	2 622	2 634	2 877	3 088	3 415	3 456	3 596
Imports	846	611	632	695	729	700	541
Exports	45	44	43	41	71	165	249
Consumption	3 429	3 201	3 465	3 742	4 073	3 991	3 888
<b>Total broadleaved and coniferous</b>							
Production	4 093	3 921	4 215	4 411	4 668	4 687	4 784
Imports	970	719	735	810	871	847	671
Exports	90	74	81	81	107	205	290
Consumption	4 979	4 561	4 869	5 139	5 432	5 329	5 165

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

# 137 Volume of Australian imports of sawnwood, by source and type

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	'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	18	21	31	49	69	60	52
<b>Canada</b>							
Douglas fir	127	64	65	73	50	48	36
Western red cedar	79	42	52	67	54	54	42
Other	45	20	14	15	22	19	7
Total	251	126	131	155	126	121	86
<b>Malaysia</b>							
Meranti a	40	28	28	30	30	27	27
Other	24	20	20	20	25	29	28
Total	64	47	48	49	55	56	56
<b>New Zealand</b>							
Radiata pine	380	302	321	331	332	303	222
Douglas fir	61	51	59	60	57	47	37
Other	51	35	39	47	47	48	38
Total	491	387	420	438	436	398	298
<b>United States</b>							
Douglas fir	27	16	12	6	3	1	0
Western red cedar	2	1	1	1	0	0	0
Other	15	12	10	11	9	6	6
Total	44	29	23	17	13	7	7
<b>Region</b>							
Asia	96	77	77	86	104	114	105
Europe	47	51	30	31	65	98	80
North America	295	155	154	172	139	127	93
Pacific	507	406	438	460	469	423	319
South America	4	4	2	6	17	22	23
Other	20	26	36	56	77	63	53
Total	970	719	735	810	871	847	671
(value \$m)	548.1	427.7	442.5	504.7	501.9	492.0	419.4

a Includes luan and seraya.

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



## 138 Australian production, trade and consumption of panel products

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	'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</b>							
Plywood <sup>a</sup>	192	157	192	219	146	156	145
Particleboard	978	904	965	1 025	1 048	944	1 002
Medium density fibreboard	621	712	732	786	795	794	798
Total	1 791	1 774	1 890	2 030	1 989	1 894	1 944
<b>Imports</b>							
Plywood	114	97	116	159	176	199	204
Particleboard	32	44	70	93	60	65	37
Hardboard	9	8	7	8	13	22	30
Medium density fibreboard	138	88	81	77	47	28	52
Softboard and other fibreboards	26	34	22	22	15	17	19
Total	319	271	296	359	312	330	341
<b>Exports</b>							
Plywood	10	7	11	2	2	4	3
Particleboard	69	98	100	54	32	14	14
Hardboard	5	6	10	8	12	8	7
Medium density fibreboard	288	389	403	405	357	365	352
Softboard and other fibreboards	40	14	11	26	18	14	11
Total	412	515	535	496	420	404	388
<b>Consumption</b>							
Plywood	296	247	297	377	320	351	346
Particleboard	941	850	935	1 063	1 077	995	1 025
Medium density fibreboard	471	411	411	458	485	457	497
Total	1 708	1 509	1 643	1 898	1 882	1 804	1 868

<sup>a</sup> Excludes laminated veneer lumber production from July 2003.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; Australian medium density fibreboard manufacturers; Australian particleboard manufacturers; B.L. Steenson, Chartered Accountant; Plywood Association of Australia; ABARE.

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	'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>Plywood</b>							
Chinese Taipei	0.00	0.00	0.00	0.02	0.02	0.02	0.02
Indonesia	39.16	25.92	29.56	34.62	36.46	49.32	42.04
Korea, Rep. of	0.03	0.03	0.00	0.04	0.01	0.02	0.00
Malaysia	16.87	15.98	15.73	20.73	19.80	19.02	22.17
New Zealand	38.40	30.74	47.24	70.26	80.76	82.56	74.52
Papua New Guinea	0.62	0.46	1.79	2.46	3.95	4.04	4.25
Singapore	0.89	0.60	2.29	2.10	1.35	0.92	1.34
Other	18.35	23.26	19.17	28.74	33.94	42.86	59.19
Total	114.31	97.01	115.77	158.97	176.29	198.75	203.53
(value, \$m)	77.4	64.9	80.0	111.6	112.1	127.7	133.2
<b>Veneer</b>							
Malaysia	2.28	1.59	1.48	2.83	3.18	3.19	3.56
New Zealand	1.73	0.30	34.56	0.56	3.07	8.51	12.28
Philippines	6.08	3.46	2.72	3.10	3.20	2.50	2.60
Singapore	0.36	0.18	0.46	0.22	0.14	0.28	0.10
South Africa	1.14	0.84	0.77	0.69	0.49	0.19	0.08
Thailand	0.06	0.06	0.14	0.08	0.02	0.03	0.04
United States	2.06	1.36	1.19	1.16	0.95	0.75	1.27
Other	6.61	4.52	4.48	4.60	4.30	5.48	3.75
Total	20.32	12.32	45.80	13.22	15.34	20.94	23.68
(value, \$m)	25.9	22.9	22.3	26.0	23.1	24.3	24.9
<b>Particleboard</b>							
Malaysia	0.47	0.32	0.31	0.25	0.97	1.87	2.09
New Zealand	27.72	31.67	35.01	27.52	24.12	42.27	10.70
Other	2.15	9.76	8.92	19.22	11.90	12.35	14.76
Total	31.94	43.90	70.00	92.99	60.50	65.23	36.77
(value, \$m)	11.3	13.8	18.7	21.5	17.2	24.4	13.7
<b>Hardboard</b>							
Brazil	0.90	1.49	0.17	0.20	0.18	0.17	0.17
New Zealand	5.03	3.65	3.94	3.42	4.50	7.06	3.98
Other	2.41	4.09	2.55	3.79	5.35	5.33	7.85
Total	9.27	8.24	7.30	7.98	12.77	21.68	30.26
(value, \$m)	6.6	5.5	7.1	6.0	10.7	18.8	27.3
<b>Medium density fibreboard</b>							
Malaysia	10.82	8.62	10.65	14.86	18.82	15.87	16.91
New Zealand	117.13	74.52	65.37	53.09	23.57	7.74	31.95
Other	9.69	5.11	5.41	9.39	4.78	4.12	3.06
Total	137.64	88.25	81.42	77.34	47.18	27.74	51.91
(value, \$m)	55.4	34.7	31.7	29.4	22.9	15.0	21.6
<b>Softboard and other fibreboards</b>							
New Zealand	17.87	12.49	7.92	8.65	3.23	7.00	4.69
Other	7.68	20.43	8.21	11.43	5.10	6.18	10.15
Total	25.86	33.56	21.67	21.93	15.16	17.02	18.52
(value, \$m)	12.7	10.1	9.9	11.8	7.1	8.4	10.4

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

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

	1999-00 kt	2000-01 kt	2001-02 kt	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt
<b>Production</b>							
Newsprint	464.0	465.0	395.0	412.0	422.0	423.0	na
Printing and writing paper	535.0	554.0	624.0	564.0	585.0	604.0	na
Household and sanitary	232.0	204.0	198.0	194.0	200.0	195.0	na
Packaging and industrial paper	1 605.0	1 449.0	1 679.0	1 892.0	1 956.0	1 885.0	na
<b>Total</b>	<b>2 836.0</b>	<b>2 672.0</b>	<b>2 897.0</b>	<b>3 061.0</b>	<b>3 164.0</b>	<b>3 107.0</b>	<b>na</b>
<b>Imports</b>							
Newsprint	293.1	283.9	224.2	273.3	303.5	314.0	324.5
Printing and writing paper	838.6	760.4	838.5	970.6	1 099.1	1 186.5	1 137.4
Household and sanitary	53.5	54.8	55.9	66.7	84.6	77.9	87.9
Packaging and industrial paper	325.4	310.8	212.5	144.1	153.7	175.3	183.5
<b>Total</b>	<b>1 510.6</b>	<b>1 409.8</b>	<b>1 331.1</b>	<b>1 454.7</b>	<b>1 641.0</b>	<b>1 753.7</b>	<b>1 733.4</b>
<b>Exports</b>							
Newsprint	2.0	2.5	1.5	2.5	0.3	1.6	0.2
Printing and writing paper	97.1	100.2	301.9	199.9	158.7	174.7	145.6
Household and sanitary	23.2	23.4	42.8	51.2	35.2	36.6	30.7
Packaging and industrial paper	383.5	408.2	390.5	483.2	596.5	567.7	632.8
<b>Total</b>	<b>505.8</b>	<b>535.0</b>	<b>736.7</b>	<b>736.9</b>	<b>790.7</b>	<b>780.6</b>	<b>809.2</b>
<b>Total consumption</b>							
Newsprint	755.1	746.3	617.7	682.8	725.2	735.4	na
Printing and writing paper	1 276.5	1 214.2	1 160.7	1 334.7	1 525.4	1 615.8	na
Household and sanitary	262.3	235.4	211.1	209.4	249.4	236.3	na
Packaging and industrial paper	1 546.9	1 351.5	1 500.9	1 552.8	1 513.2	1 492.5	na
<b>Total</b>	<b>3 840.8</b>	<b>3 546.9</b>	<b>3 491.4</b>	<b>3 778.8</b>	<b>4 014.3</b>	<b>4 080.0</b>	<b>na</b>
<b>Consumption per person</b>							
Newsprint	39.4	38.4	31.5	34.4	36.1	36.2	na
Printing and writing paper	66.6	62.5	59.1	67.2	75.9	79.4	na
Household and sanitary	13.7	12.1	10.7	10.5	12.4	11.6	na
Packaging and industrial paper	80.8	69.6	76.4	78.1	75.3	73.4	na
<b>Total</b>	<b>200.5</b>	<b>182.7</b>	<b>177.8</b>	<b>190.2</b>	<b>199.8</b>	<b>200.6</b>	<b>na</b>

na Not available.

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

# 141

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt
<b>Newsprint a</b>							
Canada	4.5	4.9	0.7	0.1	0.9	1.3	0.3
Finland	16.5	20.7	9.3	7.3	4.3	1.7	1.8
Indonesia	35.0	24.0	19.3	27.9	30.7	24.8	21.6
Korea, Rep. of	62.3	41.5	14.8	34.9	60.0	63.8	74.3
New Zealand	159.2	181.4	173.5	187.4	191.3	201.9	214.3
Other	17.7	15.7	4.7	15.0	16.0	11.0	8.2
Total	293.1	283.9	224.2	273.3	303.5	314.0	324.5
(value, \$m)	257.9	277.5	219.8	243.9	261.0	260.7	266.9
<b>Printing and writing paper</b>							
Austria	17.0	15.8	19.8	22.0	19.9	14.1	18.8
Brazil	8.0	2.3	2.5	4.8	4.0	5.5	6.2
Canada	45.1	21.4	17.7	41.4	39.8	31.7	13.3
Finland	152.0	145.4	158.9	156.9	180.5	226.4	181.0
Germany	43.8	38.4	31.6	49.5	74.1	63.4	63.5
Indonesia	123.5	75.9	61.5	90.1	113.4	70.3	65.4
Italy	49.5	46.3	27.5	35.0	63.2	50.4	44.4
Japan	40.0	34.0	34.3	43.1	36.4	41.3	30.9
Korea, Rep. of	36.6	22.0	28.6	32.6	42.4	103.3	107.0
New Zealand	5.4	2.1	17.0	34.9	28.2	30.6	40.6
Norway	21.9	15.5	15.3	18.5	19.6	16.6	15.4
South Africa	18.9	14.8	13.1	14.7	18.4	15.5	6.2
Sweden	43.6	41.5	53.3	58.4	70.3	83.9	75.1
United States	59.2	89.3	96.0	131.0	126.5	135.2	129.5
Other b	257.1	230.4	293.4	279.8	291.9	294.2	287.0
Total	838.6	760.4	838.5	970.6	1 099.1	1 186.5	1 137.4
(value, \$m)	1 141.8	1 181.7	1 285.2	1 446.1	1 422.5	1 442.6	1 431.6
<b>Household and sanitary products</b>							
Chinese Taipei	4.8	1.3	1.9	2.8	0.9	0.4	1.0
Indonesia	11.3	8.9	10.2	16.2	23.0	16.5	15.8
New Zealand	14.3	17.8	16.1	10.6	16.0	14.5	20.3
Other	21.5	15.4	11.6	12.8	13.1	11.4	10.2
Total	53.5	54.8	55.9	66.7	84.6	77.9	87.9
(value, \$m)	89.2	94.7	102.5	117.9	137.9	127.9	151.6

Continued

# 141

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt
<b>Packaging and industrial</b>							
Belgium-Luxembourg	1.1	1.1	0.9	0.7	0.8	0.7	0.9
Brazil	3.1	2.0	0.6	0.7	0.7	0.8	0.3
China	4.9	6.6	6.9	8.6	10.4	15.5	20.8
Finland	35.6	40.8	19.1	15.7	15.1	16.3	14.8
France	4.0	3.3	2.8	3.4	4.7	5.4	4.7
Germany	33.9	24.4	16.3	8.8	7.2	7.1	8.3
Indonesia	6.7	4.3	3.7	3.9	4.9	6.9	7.7
Italy	7.5	8.3	6.8	11.4	8.6	7.0	6.3
Japan	1.6	0.7	0.7	3.5	3.6	4.2	3.9
Netherlands	4.5	4.3	2.7	3.3	2.9	2.4	2.1
New Zealand	69.0	77.0	45.2	19.6	19.0	32.0	36.8
Singapore	2.6	1.4	6.0	9.8	8.8	7.9	1.0
South Africa	8.5	10.8	12.0	5.6	6.3	7.3	9.3
Sweden	5.0	12.0	9.8	6.0	8.7	7.4	9.5
Thailand	14.9	0.4	4.1	3.1	5.9	8.5	12.3
United Kingdom	6.4	8.0	8.9	6.7	5.5	4.1	4.3
United States	105.5	93.2	56.3	19.7	13.7	14.4	12.1
Other	15.6	16.0	10.0	11.9	19.3	14.3	14.4
Total	325.4	310.8	212.5	144.1	153.7	175.3	183.5
(value, \$m)	508.8	534.1	403.3	303.2	280.8	306.7	299.2

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

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

## 142 Australian production of wood pulp and use of wastepaper

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt
Mechanical	376	362	395	485	617	627	na
Chemical <sup>a</sup>	508	534	698	770	781	727	na
Total pulp	884	896	1 093	1 255	1 398	1 354	na
Wastepaper used	1 542	1 634	1 554	1 654	1 707	1 668	na

<sup>a</sup> Details for semichemical pulp are included in chemical pulp. **na** Not available.

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

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt
<b>Mechanical</b>							
Canada	0.2	0.2	0.4	0.4	0.5	0.4	0.8
New Zealand	7.6	6.0	3.9	5.8	3.1	6.2	6.5
United States	0.1	0.4	0.2	0.1	0.0	0.0	0.0
Total	8.1	7.6	4.5	6.5	3.9	7.5	7.6
(value, \$m)	6.5	8.2	3.9	4.7	2.5	5.2	5.1
<b>Chemical</b>							
Brazil	10.6	16.9	24.4	33.9	55.4	59.0	78.1
Canada	44.5	33.9	23.4	45.1	55.4	58.5	65.1
Finland	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia	45.3	47.3	44.7	43.8	30.7	9.8	0.0
New Zealand	88.3	110.9	120.2	122.7	106.4	108.7	105.6
United States	29.6	22.2	7.2	9.0	5.4	10.5	6.4
Other	36.3	55.6	56.5	74.0	89.6	70.4	65.5
Total	254.6	286.8	276.4	328.5	343.1	316.9	320.7
(value, \$m)	209.0	299.9	192.6	232.0	212.7	204.0	207.1
<b>Semichemical</b>							
Total	12.6	9.0	33.6	24.0	29.7	25.9	19.7
(value, \$m)	4.3	8.6	24.7	17.1	19.9	15.8	12.8
<b>Total wood pulp</b>	<b>275.4</b>	<b>303.4</b>	<b>314.5</b>	<b>359.0</b>	<b>376.6</b>	<b>350.3</b>	<b>348.0</b>
(value, \$m)	219.8	316.6	221.3	253.7	235.1	225.1	225.0

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

## 144 Volume of Australian roundwood and woodchip trade

	Imports		Exports		
	Roundwood a	Roundwood a	Woodchips b		Total
	'000m <sup>3</sup>	'000m <sup>3</sup>	Coniferous kt	Broadleaved kt	kt
1970-71	118.2	na	na	na	na
1971-72	122.2	na	na	na	na
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	8.4	110	2 787	2 897
1989-90	6.3	5.3	122	2 475	2 597
1990-91	0.5	79.5	118	2 687	2 804
1991-92	0.3	86.2	317	2 454	2 770
1992-93	1.6	242.0	384	2 458	2 843
1993-94	6.1	420.7	503	2 530	3 033
1994-95	2.1	286.7	857	2 870	3 728
1995-96	1.6	351.1	820	2 531	3 351
1996-97	1.1	615.5	852	2 471	3 323
1997-98	6.1	391.0	1 045	3 270	4 315
1998-99	5.7	778.3	1 033	2 852	3 885
1999-00	2.3	1 149.7	1 046	3 582	4 628
2000-01	1.3	949.3	1 100	3 894	4 994
2001-02	0.9	1 192.4	849	3 872	4 721
2002-03	2.3	1 198.9	995	4 442	5 437
2003-04	1.7	1 335.0	1 099	4 165	5 264
2004-05	1.4	806.5	1 104	4 494	5 598
2005-06	0.6	863.6	989	4 374	5 363

a Includes saw logs and pulp logs. b Bone dry tonnes. na Not available.  
Source: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

# 145 Summary of Australian statistics for grapes and grape products

	Grape production kt	Grape use		Australian wine		Production of dried vine fruit kt	Exports of dried vine fruit kt
		Wine making kt	Drying and table kt	Domestic sales ML	Sales per person L		
1960-61	535.0	187.6	347.4	53.1	5.0	83.0	57.6
1961-62	638.0	234.5	403.5	54.3	5.1	98.1	65.8
1962-63	479.0	169.3	309.7	57.1	5.2	71.6	61.9
1963-64	665.3	214.3	451.0	60.9	5.5	106.0	64.0
1964-65	690.5	225.4	465.1	63.0	5.5	109.6	70.9
1965-66	591.5	186.7	404.8	69.7	6.0	92.4	82.1
1966-67	694.7	241.5	453.2	79.8	6.8	108.4	69.0
1967-68	638.6	253.4	385.2	90.1	7.5	86.4	68.5
1968-69	553.4	299.6	253.8	100.2	8.2	55.6	62.4
1969-70	757.6	357.7	399.9	110.9	8.9	94.3	44.1
1970-71	548.0	293.6	254.4	110.5	8.5	60.4	59.9
1971-72	827.0	345.4	481.6	115.7	8.7	103.4	56.3
1972-73	606.3	330.5	275.8	130.0	9.6	57.0	72.6
1973-74	555.2	344.0	211.2	148.1	10.8	56.9	26.9
1974-75	733.6	432.5	301.1	168.0	12.1	66.9	31.6
1975-76	714.6	413.1	301.5	177.3	12.6	70.3	53.2
1976-77	728.4	458.3	270.1	187.0	13.2	64.5	44.2
1977-78	726.7	423.7	303.0	197.4	13.7	68.7	35.9
1978-79	760.4	466.1	294.3	231.1	15.9	61.8	46.1
1979-80	914.0	503.2	410.8	247.4	16.8	98.6	61.8
1980-81	754.8	486.8	268.0	264.9	17.7	60.2	52.1
1981-82	942.9	499.9	443.0	278.3	18.3	96.2	39.9
1982-83	807.3	431.3	376.0	293.7	19.1	84.5	58.1
1983-84	881.1	495.1	386.0	305.8	19.6	86.7	58.3
1984-85	890.0	559.0	331.0	320.5	20.3	77.0	56.0
1985-86	906.6	509.9	396.7	325.2	20.3	100.9	54.0
1986-87	859.2	523.5	335.7	329.8	20.3	69.8	58.2
1987-88	864.4	498.0	366.4	330.5	20.0	78.8	42.0
1988-89	977.1	640.6	336.5	309.1	18.4	64.4	51.9
1989-90	936.1	602.6	333.5	300.6	17.6	65.0	38.8
1990-91	940.0	539.0	401.0	296.3	17.1	88.7	36.4
1991-92	1 111.5	635.2	476.3	314.8	18.0	101.9	44.5
1992-93	909.5	626.2	283.3	312.1	17.7	45.4	55.1
1993-94	1 080.8	777.4	303.4	319.5	17.9	50.4	41.2
1994-95	939.7	629.8	309.8	316.3	17.5	53.5	14.7
1995-96	1 095.4	883.3	212.0	307.5	16.8	37.7	15.2
1996-97	1 161.0	798.0	363.0	332.8	18.0	69.3	25.3
1997-98	1 146.7	950.8	196.0	338.8	18.1	29.0	12.3
1998-99	1 293.8	1 101.0	192.8	348.3	18.4	44.0	13.7
1999-00	1 338.5	1 129.0	209.5	369.3	19.3	31.0	4.9
2000-01	1 590.7	1 421.9	168.8	384.8	19.8	16.7	6.4
2001-02	1 833.4	1 606.3	227.1	385.3	19.6	34.0	5.9
2002-03	1 578.7	1 411.4	167.3	402.5	20.3	17.0	9.7
2003-04	2 093.7	1 895.3	198.4	417.4	20.8	27.0	6.8
2004-05	2 145.2	1 937.1	208.1	430.1	21.1	30.0	6.6
2005-06	2 132.4	1 921.3	211.1	431.1	21.0	30.4	7.3

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



# 146 Australian wine exports, by type and major destination

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Type</b>								
Table wine	ML	276.23	329.81	406.31	498.16	571.25	654.51	704.33
Red	ML	144.86	179.79	233.23	307.09	364.77	420.62	445.45
White	ML	131.37	150.02	173.08	191.07	206.49	233.90	258.88
Sparkling wine	ML	8.13	6.60	6.93	7.23	9.81	12.45	14.34
Fortified wine	ML	2.15	2.27	1.86	1.79	2.51	2.07	2.59
Other wine	ML	0.00	0.22	0.91	0.78	0.75	0.69	0.74
<b>Total</b>	ML	286.50	338.90	416.01	507.96	584.32	669.72	722.00
<b>Major destination</b>								
Canada	\$m	73.7	91.2	123.5	174.5	205.1	247.4	249.2
China	\$m	1.6	2.2	2.4	3.5	5.9	9.9	21.5
Germany	\$m	40.9	50.1	48.0	60.9	70.9	71.7	75.6
Hong Kong, China	\$m	12.6	14.5	16.9	15.2	17.9	20.0	25.4
Ireland	\$m	37.4	40.1	42.7	40.3	49.4	53.9	54.0
Japan	\$m	29.4	29.5	30.0	31.5	35.7	48.7	44.2
Netherlands	\$m	36.2	33.9	33.4	40.6	39.3	46.0	45.3
New Zealand	\$m	65.3	77.2	84.7	101.4	98.0	93.7	92.0
Singapore	\$m	14.9	17.2	20.0	22.4	30.6	33.1	37.6
Sweden	\$m	20.3	18.6	25.2	33.3	39.2	36.2	49.6
Switzerland	\$m	28.4	30.9	30.1	36.7	23.9	19.7	19.5
Thailand	\$m	2.5	2.7	3.4	4.4	5.2	7.7	7.8
United Kingdom	\$m	590.4	689.8	842.6	857.0	860.3	966.7	959.8
United States	\$m	316.9	417.3	583.2	857.7	905.5	897.1	901.6
Other	\$m	76.9	98.9	83.9	106.5	107.1	163.3	173.9
Value	\$m	1 347.4	1 614.1	1 970.0	2 385.9	2 494.0	2 715.0	2 757.0
Unit value	\$/L	4.70	4.76	4.74	4.70	4.27	4.05	3.82

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

## 147 Australian domestic wine sales and imports, by type <sup>a</sup>

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	ML	ML	ML	ML	ML	ML	ML
Table wine	307.09	325.33	329.60	344.47	355.04	364.84	365.52
Red	114.05	125.56	130.08	142.84	147.07	155.49	153.61
White	193.04	199.76	199.52	201.63	207.96	209.35	211.91
Sparkling wine	32.57	30.66	29.42	31.62	34.68	38.40	39.79
Bottle fermented	18.22	16.71	17.42	22.99	21.56	22.99	23.13
Bulk fermented	14.35	13.95	12.00	8.63	13.12	15.41	16.66
Carbonated wine	3.51	3.29	3.12	2.80	3.47	4.21	4.25
Total unfortified wine	343.18	359.28	362.14	378.89	393.19	407.44	409.56
Total fortified wine	22.99	22.19	20.36	20.84	21.20	19.93	18.51
Vermouth and other wine	3.11	3.38	2.79	2.75	2.99	2.76	3.03
<b>Total domestic sales</b>	<b>369.28</b>	<b>384.85</b>	<b>385.29</b>	<b>402.48</b>	<b>417.38</b>	<b>430.13</b>	<b>431.10</b>
<b>Total wine</b>	<b>388.88</b>	<b>397.62</b>	<b>399.77</b>	<b>419.60</b>	<b>436.16</b>	<b>452.27</b>	<b>458.26</b>
<b>Wine imports</b>							
Table wine	14.10	8.12	9.20	11.58	11.87	14.78	19.60
Sparkling wine	3.83	2.91	3.28	3.85	4.78	5.19	5.92
Fortified wine	0.69	0.11	0.20	0.19	0.73	0.25	0.13
Other	1.00	1.64	1.80	1.50	1.40	1.92	1.51
<b>Total</b>	<b>19.61</b>	<b>12.77</b>	<b>14.48</b>	<b>17.11</b>	<b>18.74</b>	<b>22.14</b>	<b>27.16</b>

<sup>a</sup> Covers wine produced by winemakers with sales of 250 000 litres or more in the previous financial year.  
Sources: ABS, *Sales of Australian Wine and Brandy by Winemakers*, cat. no. 8504.0, Canberra.

## 148 Australian wine grape production and prices

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Bearing area	'000 ha	111	136	140	146	153	157
<b>Wine grape production</b>							
Red wine	kt	794.7	910.7	804.5	1 093.3	1 070.5	1 049.5
White wine	kt	498.2	575.8	518.6	683.0	773.0	778.0
Multipurpose	kt	129.0	119.9	88.2	119.0	93.5	93.7
Total	kt	1 421.9	1 606.3	1 411.4	1 895.3	1 937.1	1 921.3
<b>Exports</b>							
Wine	ML	338.9	416.0	508.0	584.3	669.7	722.0
– value	A\$m	1 614.1	1 970.0	2 385.9	2 494.0	2 715.0	2 757.0
<b>Australian weighted average price</b>							
White wine	A\$/t	550.1	599.4	655.4	668.6	554.9	521.6
Red wine	A\$/t	722.5	701.2	562.1	501.4	434.4	412.6

Sources: ABS, *Australian Wine and Grape Industry*, cat. no. 1329.0, Canberra; ABS, *Sales of Australian Wine and Brandy by Winemakers*, cat. no. 8504.0, Canberra; Phylloxera and Grape Industry Board of South Australia, Adelaide; ABARE.

## 149 Retail price indexes for alcoholic beverages <sup>a</sup>

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

<sup>a</sup> Base: 1989-90 = 100. <sup>b</sup> Weighted average for eight capital cities.  
Source: ABS, *Consumer Price Index*, cat. no. 6401.0, Canberra.

## 150 Production and trade in Australian dried vine fruit

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Production</b>									
Dried weight	kt	44	31	17	34	17	27	30	30
Fresh weight <sup>s</sup>	kt	119	133	90	146	76	128	141	140
Gross value	\$m	66	82	57	99	48	88	87	na
Gross unit value <sup>a</sup>	\$/t	1 495.0	2 641.3	3 423.1	2 921.9	2 847.0	3 245.6	2 900.0	na
<b>Exports</b>									
Volume	kt	14	5	6	6	10	7	7	7
Value	\$m	37	13	17	14	20	15	15	18

<sup>a</sup> Weighted average based on realisations by Australian Dried Fruits Association packers (who pack over 90 per cent of Australian dried vine fruit) before deduction of packers' costs and charges. <sup>s</sup> ABARE estimate. **na** Not available.  
Source: Australian Dried Fruits Association, *Australian Dried Fruits Association News*, Mildura.

# 151

## Production and exports of Australian citrus, by variety

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Navel oranges</b>									
Production	kt	149	180	252	178	296	208	225	274
Exports <sup>a</sup>	kt	60.51	68.68	99.09	86.83	101.12	67.09	80.87	82.24
– value	\$'000	74 204	86 728	111 775	110 403	119 164	84 644	94 457	88 278
<b>Valencia oranges</b>									
Production	kt	299	337	399	236	337	199	228	297
Exports <sup>a</sup>	kt	51.64	42.81	51.39	47.77	32.14	25.94	29.18	29.18
– value	\$'000	44 292	35 361	35 313	40 820	25 761	21 670	23 591	20 150
<b>Mandarins</b>									
Production	kt	94	91	79	78	98	97	121	102
Exports <sup>a</sup>	kt	16.12	16.32	27.13	23.55	29.63	28.57	27.37	19.61
– value	\$'000	22 318	25 584	37 137	40 012	49 206	43 282	40 594	30 134
<b>Lemons and limes</b>									
Production	kt	30	30	33	31	38	31	36	38
Exports <sup>a</sup>	kt	4.03	4.54	3.22	3.58	4.05	1.83	0.91	0.56
– value	\$'000	5 554	6 974	4 249	5 694	6 081	2 340	1 109	463
<b>Grapefruit</b>									
Production	kt	15	13	14	14	12	10	11	11
Exports <sup>a</sup>	kt	0.27	0.15	0.22	0.31	0.34	0.54	0.29	0.22
– value	\$'000	296	174	254	462	557	649	325	185

<sup>a</sup> Fresh and dried.

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

# 152 Summary of Australian statistics for fruit and vegetables

	Fruit			Vegetables		
	Production \$m <sup>a</sup>	Exports \$m	Imports \$m	Production \$m <sup>a</sup>	Exports \$m	Imports \$m
1981-82	593	na	na	554	na	na
1982-83	632	na	na	557	na	na
1983-84	655	na	na	739	na	na
1984-85	797	na	na	629	na	na
1985-86	837	na	na	714	na	na
1986-87	1 109	na	na	885	na	na
1987-88	1 004	na	na	928	na	na
1988-89	1 098	319	228	1 165	179	183
1989-90	1 176	310	223	1 328	184	249
1990-91	1 267	376	215	1 285	196	219
1991-92	1 599	454	290	1 290	235	238
1992-93	1 572	495	269	1 249	294	272
1993-94	1 478	495	290	1 444	346	305
1994-95	1 579	503	317	1 492	341	298
1995-96	1 709	563	362	1 616	380	309
1996-97	1 857	631	372	1 662	385	311
1997-98	1 819	606	391	1 812	398	338
1998-99	1 990	633	460	1 864	438	373
1999-00	1 976	662	471	2 004	446	374
2000-01	2 253	738	479	2 183	505	410
2001-02	2 333	852	503	2 269	583	451
2002-03	2 408	824	563	2 126	434	478
2003-04	2 350	681	586	2 356	394	497
2004-05	2 770	781	701	2 134	337	487
2005-06	2 862	815	737	2 200	361	504

<sup>a</sup> Gross value of production. na Not available.

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

153 Summary of Australian statistics for meat <sup>a</sup>

	Cattle numbers <sup>b</sup> million	Sheep numbers <sup>b</sup> million	Total red meat production <sup>c</sup> kt	Total red meat exports <sup>d</sup> kt	Total domestic consumption kt	Consumption per person			
						Beef and veal <sup>e</sup> kg	Lamb and mutton kg	Pig meat kg	Poultry meat kg
1960	16.50	155.2	1 426	330	1 024	38.7	46.0	8.3	4.4
1961	17.33	152.7	1 361	461	987	42.4	44.5	9.4	4.4
1962	18.03	157.7	1 545	556	1 030	45.3	42.4	8.8	4.4
1963	18.55	158.6	1 647	597	1 069	47.5	40.6	8.5	4.4
1964	18.40	165.0	1 718	653	1 078	45.0	38.6	8.8	5.2
1965	18.19	170.6	1 717	622	1 080	42.0	37.6	9.5	6.2
1966	17.39	157.6	1 706	564	1 047	38.6	38.0	9.8	7.4
1967	17.71	164.2	1 645	608	1 059	40.7	38.5	10.1	8.4
1968	18.65	166.9	1 720	598	1 088	41.3	40.7	10.8	9.0
1969	20.02	168.9	1 850	785	1 136	38.6	37.5	11.3	10.5
1970	21.55	174.3	1 955	775	1 120	39.6	36.4	13.6	10.4
1971	23.73	171.7	2 148	924	1 263	40.3	43.6	13.8	11.1
1972	26.70	155.4	2 283	1 168	1 240	40.4	39.2	14.6	12.3
1973	28.44	134.1	2 269	1 154	1 163	43.6	27.5	16.0	13.0
1974	30.16	139.5	1 945	665	1 278	55.0	25.6	13.1	13.4
1975	32.04	145.8	2 364	1 001	1 415	62.0	23.7	11.7	13.4
1976	32.67	144.1	2 670	1 204	1 421	66.4	21.1	12.1	14.4
1977	30.95	131.3	2 889	1 420	1 440	70.3	19.4	13.0	15.6
1978	28.63	127.5	2 824	1 449	1 370	65.9	17.0	13.3	16.6
1979	26.41	130.5	2 513	1 334	1 229	50.4	21.0	13.5	18.7
1980	25.52	132.7	2 311	1 159	1 180	45.3	19.8	15.5	20.1
1981	24.50	131.4	2 172	939	1 232	48.2	19.2	15.3	20.2
1982	23.89	135.0	2 473	1 184	1 294	50.1	20.7	14.8	19.4
1983	21.86	130.5	2 131	948	1 218	43.0	20.9	15.9	20.2
1984	21.54	135.1	2 003	709	1 301	45.0	22.5	16.4	19.8
1985	22.15	145.7	2 162	859	1 288	40.7	24.7	16.7	21.6
1986	22.80	150.4	2 341	1 032	1 306	42.0	22.9	17.2	22.8
1987	21.31	153.2	2 452	1 131	1 314	40.5	23.3	17.3	23.2
1988	21.24	156.5	2 404	1 102	1 312	40.6	21.6	17.8	23.9
1989	21.80	164.9	2 465	1 087	1 387	42.7	22.7	18.0	24.3
1990	22.53	173.8	2 705	1 312	1 375	40.0	22.8	18.6	25.1
1991	23.66	166.6	2 739	1 381	1 385	39.5	22.8	18.7	25.4
1992	23.88	151.0	2 827	1 499	1 339	37.2	20.5	19.7	25.4
1993	24.06	140.5	2 805	1 481	1 323	36.8	19.4	19.3	26.8
1994	25.76	132.6	2 863	1 479	1 426	39.0	21.2	20.2	27.6
1995	25.73	120.9	2 656	1 386	1 285	34.7	16.8	20.1	27.1
1996	26.38	121.1	2 634	1 304	1 353	39.1	16.7	18.7	27.9
1997	26.69	120.2	2 883	1 500	1 411	40.8	16.9	19.0	29.3
1998	26.85	117.5	2 973	1 612	1 384	37.9	16.9	19.5	31.1
1999	26.04	115.5	2 982	1 655	1 370	37.3	16.0	19.4	31.3
2000	27.59	118.6	3 132	1 780	1 426	37.0	17.8	20.0	33.2
2001	27.72	110.9	3 136	1 870	1 332	33.9	16.2	19.0	32.7
2002	27.87	106.2	3 131	1 831	1 396	35.9	14.7	20.9	36.3
2003	26.66	99.3	2 960	1 656	1 418	36.5	12.9	22.5	35.1
2004	27.47	101.3	3 081	1 790	1 413	36.1	12.1	22.7	36.8
2005	27.78	101.1	3 097	1 804	1 462	35.6	12.7	24.2	38.4

<sup>a</sup> Data up to 1970 are on a financial year (July-June) basis (1970 = 1970-71). <sup>b</sup> 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. <sup>c</sup> Beef and veal, mutton and lamb and pig meat production, expressed in carcass weight. <sup>d</sup> Before 1970, the exportable surplus of meat was derived by subtracting consumption from production, expressed in carcass weight. <sup>e</sup> Includes canned beef and veal before 1976. <sup>na</sup> Not available.

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

154 Australian saleyard prices of livestock <sup>a</sup>

	Yearling c/kg	Ox c/kg	Cow c/kg	Weighted average c/kg	Lamb c/kg	Mutton c/kg	Pig c/kg
1979	152.9	148.7	136.2	144.2	112.4	69.7	145.8
1980	150.8	149.0	131.8	141.4	130.4	72.1	142.2
1981	140.3	126.1	111.6	123.7	128.8	69.2	170.9
1982	126.9	119.3	101.2	113.2	106.3	45.8	193.7
1983	166.8	157.5	136.9	150.5	108.6	45.3	162.4
1984	194.5	164.1	149.4	166.8	113.1	48.5	171.1
1985	193.0	173.8	155.6	171.3	89.1	35.8	176.9
1986	197.5	183.2	155.2	174.3	116.1	34.8	182.2
1987	207.6	196.3	167.3	186.7	128.5	43.0	186.3
1988	232.4	210.2	179.9	203.6	132.3	61.7	201.0
1989	245.8	213.5	185.1	212.6	137.7	45.4	222.1
1990	247.4	219.2	183.3	213.4	137.0	16.5	201.4
1991	229.5	219.6	176.2	202.1	120.6	11.2	214.3
1992	226.7	225.4	174.2	200.3	131.4	28.9	196.1
1993	244.9	250.1	184.8	218.6	179.7	34.3	213.0
1994	257.8	243.9	187.0	222.6	145.5	34.1	202.3
1995	238.3	216.9	169.2	201.8	182.1	68.4	218.1
1996	185.4	163.2	129.9	155.3	230.7	67.7	247.4
1997	190.0	184.7	135.3	162.6	203.5	75.2	218.6
1998	208.2	203.3	158.3	181.0	177.0	79.3	179.9
1999	233.1	215.4	183.5	204.3	207.0	62.9	216.0
2000	261.8	246.1	219.7	237.1	173.6	71.8	249.1
2001	331.0	315.5	289.4	307.2	262.7	145.7	276.2
2002	289.3	275.4	235.3	259.1	338.8	169.9	260.3
2003	318.7	309.3	249.9	281.3	387.0	203.5	232.7
2004	343.7	324.0	281.1	309.1	365.8	179.0	229.4
2005	367.6	329.0	285.2	320.7	341.2	168.5	233.5
<b>2005</b>							
January	371.3	328.6	287.9	322.2	343.0	146.9	259.3
February	364.5	326.4	285.1	318.4	344.3	158.9	254.3
March	359.1	318.1	275.5	310.8	332.3	154.1	245.7
April	343.6	311.3	264.8	298.5	328.0	157.4	233.6
May	339.0	313.4	263.9	295.7	334.0	168.2	219.4
June	343.0	311.9	262.5	297.9	358.5	183.0	214.1
July	376.8	348.2	298.6	336.6	377.8	217.0	215.8
August	401.4	354.7	313.4	351.9	371.2	200.4	223.3
September	401.4	348.6	308.5	346.7	345.1	174.3	230.6
October	385.8	331.6	290.5	329.8	315.9	155.7	234.2
November	369.0	332.4	291.8	326.6	312.9	153.5	235.7
December	356.3	323.0	280.0	313.8	332.0	152.9	236.3
<b>2006</b>							
January	344.1	309.1	262.4	298.1	343.4	134.0	237.0
February	352.0	324.6	281.0	312.6	355.4	149.1	236.4
March	356.0	330.5	285.0	317.0	342.5	164.5	237.4
April	354.5	328.3	282.0	313.5	326.5	175.8	234.9
May	352.7	331.3	284.4	313.7	325.6	192.4	233.7
June	347.1	326.3	274.1	307.2	332.4	193.1	229.7

<sup>a</sup> Prices are on an estimated dressed weight basis and, with the exception of 'yearling', are for export quality stock: ox, 301–350 kilograms; cow, 201–260 kilograms; before January 1996, lamb, 16–18 kilograms, score 3; from January 1996, lamb, 18–20 kilograms, score 3; mutton, 18–24 kilograms, score 3; and pig, 60–73 kilograms. Quotation is the monthly average of fat stock prices in each major state market, weighted by the monthly production of each meat in the respective states.

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

# 155 Australian retail prices of meat

	Beef <sup>a</sup> c/kg	Lamb <sup>a</sup> c/kg	Pork <sup>a</sup> c/kg	Chicken <sup>b</sup> c/kg
1981	542.0	368.0	439.3	235.0
1982	545.8	366.5	490.9	248.0
1983	619.3	384.5	505.9	258.3
1984	653.7	398.4	507.7	254.6
1985	682.6	396.1	537.9	269.5
1986	708.3	433.1	556.9	275.2
1987	747.0	481.6	586.6	288.6
1988	814.4	519.6	621.9	285.7
1989	908.9	554.4	679.9	311.3
1990	961.6	582.6	700.2	310.1
1991	974.0	570.7	710.0	302.6
1992	963.7	551.8	698.7	298.2
1993	963.7	620.8	716.7	295.6
1994	997.4	611.0	719.6	301.0
1995	1 008.0	655.0	732.2	303.8
1996	991.0	708.8	771.7	333.5
1997	978.0	704.7	798.1	365.9
1998	982.3	696.1	773.7	344.3
1999	1 010.8	723.3	807.7	356.6
2000	1 061.0	724.3	850.1	355.7
2001	1 226.2	857.8	945.6	363.8
2002	1 320.7	982.8	1 024.8	388.4
2003	1 367.4	1 097.2	1 021.3	387.2
2004	1 400.3	1 159.2	1 025.5	394.3
2005	1 506.4	1 189.0	1 140.5	385.1
<b>2002</b>				
March	1 328.2	962.1	1 047.4	399.1
June	1 339.5	1 007.9	1 021.7	395.1
September	1 298.1	979.8	1 016.1	382.6
December	1 316.9	981.5	1 014.0	376.9
<b>2003</b>				
March	1 325.4	1 025.6	1 020.3	384.2
June	1 360.3	1 075.4	1 016.8	397.2
September	1 390.4	1 153.3	997.3	375.0
December	1 393.3	1 134.4	1 050.9	392.5
<b>2004</b>				
March	1 396.1	1 144.7	1 045.3	392.3
June	1 394.2	1 140.7	1 026.5	389.3
September	1 381.0	1 195.7	959.7	395.9
December	1 430.0	1 155.6	1 070.4	399.8
<b>2005</b>				
March	1 474.3	1 171.7	1 095.4	398.6
June	1 509.2	1 157.3	1 156.7	391.1
September	1 506.4	1 228.9	1 173.4	380.8
December	1 535.6	1 198.0	1 136.5	369.8
<b>2006</b>				
March	1 551.6	1 204.3	1 175.5	359.0
June	1 564.8	1 231.8	1 144.8	355.0

<sup>a</sup> Price estimates are formed by indexing forward from actual average prices of beef, lamb, mutton, pork and chicken 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. <sup>b</sup> Retail frozen.

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



# 156 Prices for Australian meat on principal overseas markets

	Beef				Mutton	Lamb	
	United States		Japan <sup>a</sup>		Japan <sup>a</sup>	United Arab Emirates <sup>a</sup>	United States <sup>a</sup>
	Boneless frozen <sup>b</sup>	Boneless frozen <sup>b</sup>	Boneless frozen	Boneless chilled	Boneless chilled <sup>c</sup>	Carcasses frozen	Bone-in frozen
	US\$/kg cif	A\$/kg fas	A\$/kg fob	A\$/kg fob	A\$/kg fob	A\$/kg fob	A\$/kg fob
1981	245.0	175.0	217.0	274.0	181.0	168.0	na
1982	230.0	190.0	230.0	285.0	174.0	164.0	na
1983	241.0	227.0	268.0	363.0	152.0	155.0	na
1984	226.0	222.0	273.0	352.0	170.0	167.0	na
1985	212.0	260.0	305.0	397.0	172.0	160.0	na
1986	201.0	262.0	308.0	439.0	159.0	166.0	na
1987	229.0	283.0	341.0	464.0	186.0	184.0	na
1988	245.0	270.0	336.9	477.2	172.8	188.9	238.4
1989	270.7	295.0	339.4	527.3	189.7	186.3	231.2
1990	266.5	301.0	366.9	523.5	241.2	176.9	223.2
1991	265.5	304.4	344.1	571.5	190.3	199.2	229.1
1992	247.5	301.4	335.6	567.6	246.4	239.2	244.8
1993	265.2	354.9	318.7	585.2	283.8	213.3	299.8
1994	239.3	297.7	308.7	576.3	270.8	192.5	259.6
1995	194.5	228.5	269.5	582.1	310.0	213.1	277.0
1996	173.8	188.7	228.3	473.3	298.2	217.3	327.6
1997	188.4	218.9	236.7	486.8	263.4	234.4	351.4
1998	175.5	244.3	253.9	523.9	324.9	249.2	398.8
1999	189.9	259.7	270.9	540.7	344.5	222.8	374.2
2000	195.4	308.8	311.9	566.5	559.7	272.9	380.5
2001	214.4	384.0	374.6	650.3	717.8	290.6	472.9
2002	218.6	314.2	339.7	636.5	782.5	320.4	548.6
2003	212.1	309.4	315.0	645.2	728.6	322.2	505.0
2004	272.6	339.3	378.4	710.5	766.5	349.6	539.5
2005	281.9	336.4	366.9	708.5	519.0	362.1	547.5
<b>2004</b>							
March	245.5	287.8	363.9	705.8	604.9	348.1	507.9
June	264.4	336.6	386.5	727.2	882.9	347.0	592.8
September	297.2	386.6	380.5	711.3	804.0	356.1	511.1
December	283.2	342.6	382.7	697.6	774.0	347.2	546.4
<b>2005</b>							
March	279.7	325.6	372.7	718.7	420.3	351.4	609.0
June	283.5	335.3	385.8	706.7	500.7	375.5	623.0
September	287.2	344.2	359.3	706.8	566.6	374.5	476.9
December	277.2	338.5	349.9	701.6	588.3	346.7	481.3
<b>2006</b>							
March	272.6	335.2	356.8	705.0	908.4	359.8	514.8
June	268.8	324.3	356.1	707.8	465.9	332.5	526.9

<sup>a</sup> Average unit value of exports. <sup>b</sup> Beef that is 90 per cent chemical lean. <sup>c</sup> Fresh, chilled. Before and including 1987, figures are for the financial year ending June of the year quoted, from 1988 figures are for the calendar year ending December. **na** Not available.  
Sources: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra; Meat and Livestock Australia, *Meat the Market*, Sydney.

# 157 Australian exports of meat, by product <sup>a</sup>

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Quantity</b>									
Beef and veal <sup>b</sup>	kt	883	852	959	902	902	860	948	892
Mutton <sup>b</sup>	kt	155	171	180	158	119	120	138	146
Lamb <sup>b</sup>	kt	85	99	115	109	98	109	123	144
Pig meat <sup>b</sup>	kt	16	39	44	59	63	51	43	43
Poultry meat <sup>b</sup>	kt	19	17	21	21	23	20	20	22
Live sheep <sup>c</sup>	'000	4 959	4 859	5 936	6 443	5 843	3 843	3 233	4 248
Live cattle <sup>c</sup>	'000	713	846	846	797	973	581	574	549
<b>Value <sup>d</sup></b>									
Beef and veal <sup>e</sup>	\$m	2 863	3 119	4 007	4 189	3 756	3 793	4 584	4 272
Mutton <sup>e</sup>	\$m	309	326	416	490	346	379	418	431
Lamb <sup>e</sup>	\$m	305	369	508	626	554	636	700	782
Pig meat	\$m	71	159	186	265	256	181	150	140
Poultry meat	\$m	23	21	26	26	22	20	20	21
Live sheep <sup>c</sup>	\$m	182	180	258	392	408	266	207	291
Live cattle <sup>c</sup>	\$m	343	433	482	526	567	318	374	358
Total	\$m	4 095	4 606	5 882	6 514	5 910	5 594	6 452	6 295
<b>Unit value <sup>d</sup></b>									
Beef and veal	\$/kg	3.24	3.66	4.17	4.65	4.16	4.41	4.83	4.79
Mutton	\$/kg	2.01	1.92	2.31	3.09	2.92	3.16	2.93	2.98
Lamb	\$/kg	3.60	3.71	4.42	5.75	5.66	5.86	5.69	5.42
Pig meat	\$/kg	4.31	4.05	4.22	4.50	4.08	3.58	3.44	3.24
Poultry meat	\$/kg	1.21	1.22	1.23	1.23	0.95	0.98	1.01	0.97
Live sheep	\$/head	36.64	37.12	43.41	60.79	69.87	69.34	63.92	68.61
Live cattle	\$/head	476.89	514.68	575.88	664.48	582.56	549.78	652.47	659.60

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

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

## 158 Summary of world statistics for livestock

	Livestock numbers		Production			
	Cattle million	Sheep million	Beef and veal Mt	Mutton and lamb Mt	Pig meat Mt	Poultry meat Mt
1960	na	na	na	na	na	na
1961	941	994	27.7	4.9	24.7	8.9
1962	957	997	29.2	5.0	26.1	9.2
1963	970	999	30.9	5.0	28.0	9.7
1964	988	1 013	31.3	5.0	28.7	10.1
1965	1 008	1 030	31.9	5.0	31.3	11.0
1966	1 028	1 040	33.6	5.1	32.4	11.7
1967	1 050	1 058	35.3	5.3	33.9	12.4
1968	1 063	1 072	37.0	5.4	34.4	12.8
1969	1 070	1 079	37.9	5.4	34.1	13.7
1970	1 082	1 061	38.4	5.5	35.8	15.1
1971	1 097	1 064	38.0	5.6	39.4	15.7
1972	1 120	1 036	38.5	5.7	40.6	16.8
1973	1 139	1 015	38.8	5.4	40.4	17.6
1974	1 166	1 027	41.8	5.1	42.4	18.2
1975	1 187	1 046	43.7	5.3	41.6	18.6
1976	1 199	1 046	46.1	5.3	40.7	20.0
1977	1 204	1 036	46.4	5.3	42.9	21.2
1978	1 206	1 048	46.9	5.4	45.6	22.7
1979	1 210	1 067	45.7	5.4	50.1	24.4
1980	1 216	1 096	45.5	5.6	52.7	25.9
1981	1 228	1 110	45.9	5.9	53.0	27.5
1982	1 243	1 129	45.8	5.9	53.1	28.3
1983	1 248	1 124	47.0	6.1	55.4	29.1
1984	1 254	1 119	48.4	6.1	57.4	29.7
1985	1 259	1 119	49.2	6.2	59.9	31.1
1986	1 266	1 126	50.9	6.2	61.4	33.2
1987	1 266	1 142	51.0	6.4	63.5	35.7
1988	1 271	1 164	51.4	6.6	67.0	37.5
1989	1 287	1 198	51.7	6.8	68.0	38.7
1990	1 296	1 209	52.9	7.0	69.8	40.9
1991	1 297	1 185	53.6	7.1	70.8	42.9
1992	1 299	1 162	52.4	7.0	72.9	45.1
1993	1 298	1 122	51.9	7.1	75.3	47.7
1994	1 316	1 111	47.3	7.2	77.5	51.5
1995	1 325	1 074	54.2	7.2	80.1	54.7
1996	1 319	1 060	54.7	7.0	79.3	56.4
1997	1 310	1 043	55.4	7.2	83.1	59.8
1998	1 310	1 046	55.3	7.3	88.4	62.4
1999	1 313	1 053	56.3	7.4	89.3	65.4
2000	1 316	1 054	56.9	7.6	90.1	69.2
2001	1 322	1 034	56.1	7.6	92.1	71.9
2002	1 336	1 030	57.8	7.7	95.2	75.1
2003	1 351	1 039	58.5	7.9	98.5	76.6
2004	1 365	1 060	59.7	8.2	100.5	79.1
2005	1 372	1 079	60.2	8.5	102.4	81.4

na Not available.

Sources: FAO, FAOSTAT Agriculture Database, Rome; UK Meat and Livestock Commission, *International Meat Market Review*, Economics Information Services, London.

## 159 Summary of US meat statistics

	Unit	1998	1999	2000	2001	2002	2003	2004	2005
<b>Cattle numbers a</b>	million	99.7	99.1	98.2	97.3	96.7	96.1	94.9	95.4
<b>Beef and veal b</b>									
Production c	kt	11 804	12 124	12 298	11 983	12 427	12 039	11 261	11 317
Imports	kt	1 199	1 303	1 375	1 435	1 459	1 363	1 669	1 632
Exports and shipments	kt	985	1 094	1 120	1 029	1 110	1 142	209	313
Total consumption	kt	12 051	12 325	12 502	12 351	12 737	12 340	12 667	12 666
Consumption per person	kg	43.3	43.8	44.0	43.0	43.9	42.2	42.9	42.5
<b>Pork b</b>									
Production c	kt	8 623	8 758	8 596	8 691	8 929	9 056	9 312	9 392
Imports	kt	320	375	438	431	486	538	499	464
Exports and shipments	kt	558	582	584	707	731	779	989	1 207
Total consumption	kt	8 305	8 594	8 455	8 389	8 685	8 816	8 817	8 671
Consumption per person	kg	29.8	30.6	29.8	29.2	30.0	30.1	29.8	29.1
<b>Poultry d</b>									
Production c	kt	14 890	15 739	16 122	16 523	17 024	17 225	17 727	18 333
Exports and shipments	kt	2 180	2 252	2 433	2 741	2 379	2 451	2 371	2 619
Total consumption	kt	12 714	13 474	13 697	13 827	14 586	14 841	15 353	15 675
Consumption per person	kg	45.7	47.9	48.2	48.2	50.3	50.7	52.0	52.6

a At 1 January. b Carcass weight equivalent. c Refers to commercial production, which excludes farm slaughter. d Retail weight equivalent. Sources: US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC.

## 160 Summary of New Zealand meat statistics a

	Unit	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
<b>Livestock numbers b</b>									
Cattle	million	8.9	8.8	9.0	9.3	9.7	9.7	9.6	9.5
– dairy cattle	million	4.5	4.5	4.8	5.0	5.2	5.1	5.2	5.1
– beef cattle	million	4.3	4.2	4.2	4.2	4.5	4.6	4.4	4.4
Sheep	million	46.8	46.0	45.7	45.4	44.0	39.7	39.3	40.1
<b>Production c</b>									
Beef and veal	kt	634.1	561.7	567.6	591.5	576.3	660.2	709.6	651.8
Lamb	kt	416.5	401.0	427.8	433.5	413.8	436.0	411.3	437.6
Mutton	kt	128.6	116.6	104.9	128.7	107.2	111.0	107.0	105.2
<b>Exports of meat d</b>									
Beef and veal	kt	373.6	292.2	313.9	326.3	332.3	353.8	416.5	399.2
Lamb	kt	282.0	271.1	296.5	301.9	286.5	322.4	294.6	300.0
Mutton	kt	59.7	54.4	50.4	58.8	52.0	69.4	57.0	60.3
<b>Consumption per person e</b>									
Beef and veal	kg	40.3	31.3	31.0	27.2	26.4	30.0	31.9	29.2
Lamb	kg	10.0	7.7	10.2	10.0	10.3	10.0	9.4	10.0
Mutton	kg	8.0	6.6	7.5	7.1	5.5	4.4	3.5	3.0

a October–September year. b At 30 June of first year shown. c Carcass weight. d Shipped weight. e Excludes meat withdrawn from export stocks for local consumption.

Sources: Meat and Wool New Zealand, *Annual Report*, Wellington; Meat and Wool Economic Service of New Zealand, *Annual Review of the New Zealand Sheep and Beef Industry*, Wellington.

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## Gross value of Australian livestock slaughterings

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	\$m	\$m	\$m	\$m	\$m	\$m
<b>Livestock slaughterings</b>						
Cattle and calves <b>a</b>	5 948.8	6 616.9	5 844.6	6 341.1	7 454.7	7 217.7
Cattle exported live <b>b</b>	481.8	525.5	566.5	317.7	374.1	357.8
Sheep <b>c</b>	367.6	544.5	467.7	454.2	416.3	442.1
Lambs <b>cd</b>	776.5	1 181.4	1 160.9	1 318.1	1 326.0	1 424.9
Sheep exported live <b>b</b>	257.7	391.7	408.2	266.5	206.7	291.5
Pigs	822.3	967.7	911.3	878.9	906.0	867.3
Poultry	1 060.2	1 174.9	1 280.5	1 280.8	1 303.7	1 363.0
Total	9 737.8	11 434.5	10 676.0	10 896.0	12 030.2	12 007.1

**a** Includes dairy cattle slaughtered. **b** Excludes animals for breeding. **c** Excludes skin values. **d** 18–20 kilograms dressed weight.  
*Note:* The gross value of production is the value placed on recorded production at the wholesale prices realised in the market place. The point of measurement can vary between commodities. Generally the market place is the metropolitan market in each state and territory. However, where commodities are consumed locally or where they become raw material for a secondary industry, these points are presumed to be the market place. Prices used in these calculations do not include the GST.  
*Sources:* ABS; ABARE.

## 162 Australian supply and use of beef and veal

	Slaughterings a '000	Average weight b kg	Production b kt	Exports bc kt	Consumption bd kt
1960	4 403	168	740	na	na
1961	4 700	139	652	na	na
1962	5 672	145	820	na	na
1963	6 136	154	943	na	na
1964	6 554	153	1 005	na	na
1965	6 564	154	1 013	na	na
1966	6 231	152	946	na	na
1967	5 597	155	869	na	na
1968	5 508	165	907	na	na
1969	5 788	164	952	na	na
1970	5 727	176	1 011	510	na
1971	6 093	173	1 054	574	na
1972	7 491	159	1 192	780	na
1973	8 443	172	1 453	920	na
1974	6 988	184	1 282	530	na
1975	9 596	171	1 638	777	na
1976	11 434	166	1 899	905	917
1977	12 791	169	2 158	1 138	986
1978	12 345	173	2 131	1 199	937
1979	9 839	180	1 770	1 096	728
1980	8 833	174	1 534	883	663
1981	8 099	176	1 422	711	716
1982	9 460	177	1 678	942	754
1983	8 118	174	1 414	767	655
1984	6 824	186	1 272	581	695
1985	7 151	187	1 338	690	637
1986	7 883	188	1 481	809	668
1987	8 048	194	1 564	908	654
1988	7 723	201	1 551	890	666
1989	7 483	210	1 573	872	710
1990	8 253	211	1 738	1 064	676
1991	8 427	208	1 749	1 080	675
1992	8 731	210	1 834	1 191	645
1993	8 343	217	1 814	1 169	645
1994	8 366	221	1 845	1 164	692
1995	7 906	217	1 719	1 106	622
1996	7 968	218	1 734	1 028	711
1997	9 148	212	1 939	1 192	751
1998	9 308	213	1 987	1 284	705
1999	8 756	227	1 991	1 290	703
2000	8 734	235	2 053	1 350	705
2001	8 764	237	2 079	1 427	653
2002	9 050	231	2 090	1 390	701
2003	8 906	224	1 998	1 280	720
2004	8 803	240	2 113	1 398	721
2005	8 466	247	2 090	1 380	718

a Includes calves. b Carcass weight. c Includes canned and miscellaneous product. d Apparent consumption. na Not available.  
Sources: ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra; ABARE.

163 Australian cattle numbers, by state and territory <sup>a</sup>

	New South Wales '000	Victoria '000	Queensland '000	South Australia '000	Western Australia '000	Tasmania '000	Northern Territory '000	Australian Capital Territory '000	Australia '000
<b>Adult female beef cattle</b>									
1996	2 963	1 287	4 775	534	934	233	848	7	11 667
1997	3 039	1 286	4 958	528	928	242	892	7	11 879
1998	2 863	1 119	5 145	540	964	232	915	5	11 783
1999	2 859	1 054	5 071	514	948	224	946	5	11 621
2000	2 801	1 134	5 667	480	1 086	194	913	6	12 282
2001	2 849	1 138	5 304	516	1 013	201	981	6	12 007
2002	2 852	1 158	5 762	594	1 013	199	1 069	6	12 652
2003	2 809	1 240	5 380	590	981	219	1 023	5	12 245
2004	2 873	1 185	5 638	568	1 049	233	1 019	5	12 570
2005	2 814	1 247	5 844	630	1 092	238	1 064	5	12 935
2006	na	na	na	na	na	na	na	na	na
<b>Total beef cattle and calves</b>									
1996	6 019	2 714	9 928	1 069	1 803	521	1 502	13	23 569
1997	6 118	2 627	10 130	1 024	1 787	515	1 609	13	23 737
1998	5 922	2 306	10 562	1 051	1 848	510	1 566	10	23 776
1999	5 846	2 180	10 444	1 006	1 817	491	1 566	9	22 820
2000	5 531	2 371	11 503	995	2 059	411	1 570	10	24 448
2001	5 786	2 435	11 088	1 050	2 001	426	1 707	11	24 504
2002	5 593	2 463	11 284	1 201	1 980	432	1 777	10	24 739
2003	5 419	2 491	10 507	1 209	1 815	482	1 683	8	23 615
2004	5 416	2 390	11 245	1 164	1 962	496	1 730	8	24 410
2005	5 428	2 505	11 511	1 107	1 889	534	1 756	9	24 725
2006	na	na	na	na	na	na	na	na	25 510
<b>Total dairy cattle and calves</b>									
1996	371	1 682	286	150	121	197	1	0	2 808
1997	393	1 784	292	157	122	211	0	0	2 958
1998	429	1 836	305	162	124	218	1	0	3 076
1999	445	1 945	304	177	114	233	1	0	3 218
2000	440	1 893	305	189	106	206	1	0	3 139
2001	428	1 971	288	192	126	210	0	0	3 217
2002	428	1 949	260	180	124	187	0	0	3 131
2003	398	1 896	233	191	130	200	0	0	3 049
2004	400	1 890	255	188	133	189	0	0	3 055
2005	405	1 897	223	159	118	187	0	0	3 056
2006	na	na	na	na	na	na	na	na	3 050
<b>Total cattle and calves</b>									
1996	6 390	4 396	10 214	1 219	1 924	718	1 503	14	26 377
1997	6 511	4 411	10 415	1 181	1 909	725	1 530	13	26 695
1998	6 351	4 142	10 867	1 214	1 973	728	1 567	10	26 851
1999	6 291	4 125	10 748	1 183	1 931	724	1 567	10	26 578
2000	5 970	4 264	11 808	1 184	2 165	617	1 571	10	27 588
2001	6 215	4 405	11 376	1 242	2 128	636	1 707	11	27 722
2002	6 021	4 412	11 544	1 381	2 104	619	1 777	10	27 870
2003	5 817	4 388	10 740	1 401	1 945	682	1 683	8	26 664
2004	5 816	4 281	11 500	1 352	2 095	684	1 730	8	27 465
2005	5 833	4 402	11 734	1 266	2 007	721	1 756	9	27 782
2006	na	na	na	na	na	na	na	na	28 500

<sup>a</sup> At 31 March, an establishment with an estimated value of agricultural operations (EVAO) of \$5 000 or more. From 2000, at 30 June. House cows are excluded. na Not available.

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

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

	Unit	1998	1999	2000	2001	2002	2003	2004	2005
<b>Beef and veal</b>									
Americas									
Canada	kt	38.6	43.3	41.5	50.9	82.9	29.0	7.5	7.6
United States	kt	285.2	291.1	352.3	397.7	385.9	367.9	347.2	317.5
Asia									
Chinese Taipei	kt	33.7	34.7	28.6	29.1	34.4	31.1	26.5	30.3
Hong Kong, China	kt	6.2	3.2	3.6	3.1	2.9	2.1	2.4	1.8
Indonesia	kt	1.7	11.6	13.1	9.6	14.6	13.0	7.1	8.8
Japan	kt	320.9	313.3	325.7	319.1	237.0	279.3	393.5	405.1
Korea, Rep. of	kt	33.5	77.9	73.3	56.8	80.2	62.3	93.3	106.4
Malaysia-Singapore	kt	11.0	10.6	9.4	8.8	11.3	10.2	6.9	4.2
Philippines	kt	20.2	20.4	14.3	19.7	12.9	8.6	2.1	3.0
Europe									
European Union <b>b</b>	kt	11.0	8.9	5.6	6.5	6.5	5.5	6.7	6.5
CIS	kt	24.5	8.4	1.4	5.3	1.4	0.3	0.4	0.5
Eastern Europe	kt	18.7	2.5	2.1	0.4	3.0	1.4	0.4	0.1
Middle East									
Kuwait	kt	1.4	0.5	0.1	1.1	0.4	2.5	0.7	0.2
Saudi Arabia	kt	2.6	1.0	0.5	5.0	2.3	1.8	0.7	0.3
United Arab Emirates	kt	1.6	0.6	0.9	2.0	1.7	1.1	1.2	1.3
Oceania									
New Zealand	kt	1.8	1.6	3.1	1.4	6.8	3.5	2.3	2.0
Pacific Isles	kt	3.1	2.1	2.3	2.5	2.7	2.1	1.7	1.5
Papua New Guinea	kt	7.0	8.2	7.1	4.8	4.3	2.3	2.5	2.2
Total beef and veal	kt	855.3	868.0	901.6	946.6	920.4	840.9	913.8	909.4
<b>Live cattle</b>									
<b>Slaughter cattle</b>									
Asia									
Indonesia	'000	41.2	159.5	296.7	287.7	425.6	375.8	356.8	348.0
Japan	'000	17.0	12.4	14.4	17.4	14.0	21.0	17.1	24.5
Malaysia	'000	42.7	65.2	56.5	77.5	90.9	86.4	47.4	38.1
Philippines	'000	215.9	266.1	223.8	97.4	113.1	74.5	46.7	20.9
Middle East									
Egypt	'000	119.6	240.5	207.6	203.2	143.9	7.6	0.0	7.0
Israel	'000	8.7	8.7	15.8	32.6	47.8	43.2	20.9	32.0
Jordan	'000	18.1	37.6	40.7	13.2	4.4	23.1	34.2	17.0
Saudi Arabia	'000	0.0	0.0	0.0	20.8	54.3	15.7	0.0	17.5
Total	'000	597.0	833.7	887.0	797.9	951.1	683.7	551.5	531.1
Breeding cattle	'000	24.1	10.6	9.0	24.6	16.8	84.9	66.8	41.7
Total live cattle	'000	621.1	844.2	896.0	822.5	967.9	768.6	618.3	572.8

**a** Fresh, chilled or frozen, in shipped weight. **b** Regarded as fifteen countries to May 2004, then twenty five countries from June 2004.  
Source: Department of Agriculture, Fisheries and Forestry, *Export Statistics, Livestock Exports*, Canberra; ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra.



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

	1998	1999	2000	2001	2002	2003	2004	2005
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Beef and veal</b>								
Americas								
Canada	104.6	128.0	148.1	204.4	320.2	110.9	38.1	32.6
United States	735.2	805.1	1 172.8	1 699.7	1 593.6	1 332.3	1 374.4	1 186.4
Asia								
Chinese Taipei	108.2	123.2	116.7	132.6	152.3	126.7	124.2	148.3
Hong Kong, China	23.6	16.6	18.2	17.8	17.1	15.0	27.3	18.7
Indonesia	6.1	33.3	40.8	37.2	46.1	38.4	26.7	33.6
Japan	1 312.4	1 369.7	1 537.3	1 728.2	1 237.7	1 384.4	2 189.8	2 244.8
Korea, Rep. of	87.6	201.9	221.7	228.9	320.4	250.7	434.4	494.8
Malaysia-Singapore	66.7	68.7	70.6	78.7	91.4	86.8	74.4	48.9
Philippines	40.4	38.5	34.3	55.8	36.1	23.0	4.3	5.9
Europe								
European Union <sup>a</sup>	58.6	61.3	37.4	48.4	53.5	49.2	62.8	56.8
CIS	58.2	18.1	3.8	14.4	2.9	0.7	2.0	4.6
Eastern Europe	43.6	6.9	6.3	1.2	9.1	4.5	1.3	0.4
Middle East								
Kuwait	3.6	1.6	0.3	4.6	1.8	9.8	3.4	1.0
Saudi Arabia	7.4	3.3	2.1	23.0	11.6	7.8	3.1	1.7
United Arab Emirates	5.4	2.5	4.4	11.6	10.9	7.8	12.0	13.7
Oceania								
New Zealand	4.5	5.0	11.1	6.3	25.6	15.9	9.8	8.8
Pacific Isles	6.2	4.1	5.2	7.2	7.4	5.4	4.5	4.0
Papua New Guinea	12.3	14.1	14.1	11.5	9.8	4.9	5.2	4.3
Total beef and veal	2 768.3	2 963.3	3 464.1	4 357.3	4 002.6	3 475.3	4 390.2	4 346.7
<b>Live cattle <sup>b</sup></b>								
Asia								
Indonesia	18.0	68.5	143.1	171.8	254.0	203.4	207.3	209.1
Japan	11.6	7.8	9.8	12.7	11.2	16.6	14.6	20.5
Malaysia	15.3	29.9	25.7	38.5	45.1	38.9	25.2	20.1
Philippines	87.7	126.7	117.8	58.4	65.8	39.1	30.1	11.6
Middle East								
Egypt	61.6	131.2	129.7	153.8	94.9	5.0	0.0	3.8
Israel	5.7	3.8	9.0	15.4	23.9	22.8	11.9	20.6
Jordan	7.7	15.7	18.1	6.7	2.4	12.9	15.3	10.2
Libya	64.9	13.5	0.0	0.0	0.0	0.0	0.0	0.0
Saudi Arabia	0.0	0.0	0.0	14.9	32.5	9.4	0.0	11.0
Total live cattle	280.3	409.2	471.7	514.4	580.8	376.5	327.7	337.1

<sup>a</sup> Regarded as fifteen countries to May 2004, then twenty five countries from June 2004. <sup>b</sup> Excludes animals for breeding.  
Source: Department of Agriculture, Fisheries and Forestry, *Export Statistics, Livestock Exports*, Canberra; ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

166 World cattle numbers, by country <sup>a</sup>

	1998	1999	2000	2001	2002	2003	2004	2005
	million	million	million	million	million	million	million	million
Argentina	49.2	49.4	49.8	50.2	50.4	50.9	50.8	50.2
Australia <sup>b</sup>	26.9	26.0	27.6	27.7	27.9	26.7	27.5	27.8
Brazil	144.7	143.9	146.3	150.4	156.3	161.5	165.5	169.6
Canada	13.4	13.2	13.2	13.6	13.8	13.5	14.7	15.1
China <sup>c</sup>	121.8	124.4	127.0	128.7	128.2	130.8	134.7	137.8
European Union <sup>d</sup>	83.3	82.9	93.8	91.4	90.3	88.7	87.5	86.4
France	20.0	20.3	20.3	20.5	20.1	19.6	19.3	19.4
Germany	15.2	14.9	14.7	14.6	14.2	13.7	13.4	13.0
Italy	7.2	7.1	7.2	6.7	6.5	6.5	6.3	6.3
United Kingdom	11.5	11.4	11.1	10.6	10.3	10.5	10.6	10.4
Japan	4.7	4.7	4.6	4.5	4.6	4.5	4.5	4.4
New Zealand	8.9	8.8	9.0	9.3	9.7	9.7	9.6	9.5
Russian Federation	31.5	28.6	27.0	25.5	24.5	23.5	22.3	21.1
South Africa	13.7	13.8	13.6	13.5	13.5	13.6	13.5	13.5
Ukraine	12.6	11.7	10.6	9.4	9.4	9.1	7.7	7.0
United States	99.7	99.1	98.2	97.3	96.7	96.1	94.9	95.4
Uruguay	10.6	10.4	10.6	10.4	11.7	12.3	12.6	12.5
World	1 309.8	1 313.1	1 315.5	1 321.8	1 336.1	1 350.9	1 365.0	1 372.3

<sup>a</sup> As close as possible to 1 January. <sup>b</sup> Includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 or more. <sup>c</sup> Excludes Hong Kong. <sup>d</sup> Regarded as fifteen countries to 1999, then twenty five countries from 2000. Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; FAO, *FAOSTAT Agriculture Database*, Rome; Meat and Wool Economic Service of New Zealand, *Annual Review of the New Zealand Sheep and Beef Industry*, Wellington; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC.

167 World beef and veal production, by country <sup>a</sup>

	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt
Argentina	2 600	2 840	2 880	2 640	2 700	2 800	3 130	3 200
Australia	1 987	1 991	2 053	2 079	2 090	1 998	2 113	2 090
Brazil	6 140	6 270	6 520	6 895	7 240	7 385	7 975	8 592
Canada	1 150	1 238	1 246	1 250	1 294	1 190	1 496	1 475
China <sup>b</sup>	4 799	5 054	5 328	5 488	5 846	6 305	6 759	7 140
Colombia	766	716	745	700	675	670	730	750
European Union <sup>c</sup>	7 624	7 569	8 224	8 084	8 145	8 061	8 007	7 770
France	1 632	1 609	1 528	1 566	1 640	1 632	1 565	1 529
Germany	1 367	1 374	1 304	1 362	1 316	1 226	1 258	1 145
Italy	1 111	1 164	1 152	1 133	1 134	1 127	1 148	1 180
United Kingdom	699	679	705	645	694	699	712	747
Japan	530	537	530	458	537	496	514	500
Mexico	1 800	1 900	1 900	1 925	1 930	1 950	2 099	2 125
New Zealand	634	562	568	592	576	660	710	652
Russian Federation	2 090	1 900	1 840	1 760	1 740	1 670	1 590	1 525
South Africa	539	584	630	665	645	613	655	643
United States	11 804	12 124	12 298	11 983	12 427	12 039	11 261	11 317
Uruguay	454	425	440	317	425	450	544	600
World	55 302	56 349	56 947	56 149	57 833	58 513	59 741	60 191

<sup>a</sup> Carcass weight equivalent. <sup>b</sup> Excludes Hong Kong. <sup>c</sup> Regarded as fifteen countries to 1999, then twenty five countries from 2000. Sources: ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; FAO, *FAOSTAT Agriculture Database*, Rome; Meat and Wool Economic Service of New Zealand, *Annual Review of the New Zealand Sheep and Beef Industry*, Wellington; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC.

# 168

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

	1997	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Exports</b>									
Argentina	458	303	359	357	169	348	386	623	759
Australia	1 192	1 284	1 290	1 350	1 427	1 390	1 280	1 398	1 380
Brazil	232	306	464	492	748	881	1 175	1 628	1 867
Canada	382	428	492	523	575	610	384	560	553
China <sup>b</sup>	101	91	57	54	60	44	43	61	91
European Union <sup>c</sup>	1 051	769	949	545	502	485	388	358	250
India	215	245	224	349	370	417	439	499	620
New Zealand	530	509	462	505	516	486	558	606	589
United States	969	985	1 094	1 120	1 029	1 110	1 142	209	313
Uruguay	251	218	189	236	145	262	325	410	460
Total	5 795	5 439	5 724	5 746	5 670	6 274	6 339	6 496	7 092
<b>Imports</b>									
Brazil	150	106	54	72	44	78	63	53	49
Canada	244	232	254	263	300	308	274	111	133
Chinese Taipei	85	82	94	83	78	89	98	80	92
Egypt	167	159	218	236	136	162	93	114	120
European Union <sup>c</sup>	459	414	457	368	358	461	463	584	625
Japan	954	989	1 007	1 067	1 002	712	851	647	700
Korea, Rep. of	226	125	242	324	246	430	444	218	243
Russian Federation	1 047	770	784	415	648	719	720	730	680
United States	1 063	1 199	1 303	1 375	1 435	1 459	1 363	1 669	1 632
Total	5 016	4 771	5 065	4 935	4 978	5 242	5 074	4 891	5 423

<sup>a</sup> Carcass weight. <sup>b</sup> Excludes Hong Kong. <sup>c</sup> Excludes intra-EU trade. Regarded as fifteen countries to 1999, then twenty five countries from 2000.

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

# 169 Summary of Japanese beef and veal statistics

	Unit	1998	1999	2000	2001	2002	2003	2004	2005
<b>Cattle numbers a</b>									
Beef b	'000	2 848	2 842	2 823	2 806	2 838	2 805	2 788	2 747
Dairy c	'000	1 860	1 816	1 764	1 725	1 726	1 719	1 690	1 655
Total	'000	4 708	4 658	4 587	4 531	4 564	4 524	4 478	4 402
<b>Cattle slaughterings</b>									
Wagyu	'000	596.2	588.6	576.8	497.2	500.0	466.0	459.6	458.7
Dairy	'000	692.6	708.1	705.4	603.6	719.0	749.1	764.2	738.9
Calves	'000	10.5	9.7	6.4	5.5	4.6	8.7	10.6	8.4
Total	'000	1 299.3	1 306.4	1 288.6	1 119.0	1 238.1	1 237.7	1 253.9	1 225.1
<b>Production d</b>									
Wagyu beef	kt	241.3	240.0	236.2	205.5	217.1	188.4	190.9	192.5
Dairy beef	kt	278.6	289.6	288.0	247.9	313.6	300.5	313.7	297.7
Veal	kt	0.9	0.9	0.6	0.6	0.6	1.0	1.1	1.0
Total	kt	529.3	540.4	530.3	458.6	536.6	496.0	513.6	499.6
<b>Imports</b>									
<b>Fresh or chilled beef and veal e</b>									
Australia	kt	180.7	193.0	200.7	166.6	150.2	152.5	215.8	218.8
Canada	kt	2.4	3.4	5.4	5.6	4.3	1.1	0.0	0.1
New Zealand	kt	5.7	4.0	3.7	3.4	2.5	3.1	3.8	4.8
United States	kt	126.6	133.0	145.6	116.4	98.0	87.9	0.0	0.6
Other	kt	0.1	0.1	0.1	0.0	0.0	0.0	1.0	2.7
Total	kt	315.4	333.5	355.5	292.0	255.1	244.5	220.6	227.0
<b>Frozen beef and veal e</b>									
Australia	kt	129.8	121.2	129.3	118.3	112.0	141.7	194.0	186.9
Canada	kt	11.3	14.0	13.4	15.6	15.4	1.5	0.0	0.0
New Zealand	kt	13.2	11.3	10.0	11.9	8.7	18.2	31.0	34.9
United States	kt	193.5	194.5	202.7	168.9	142.1	113.1	0.0	0.0
Other	kt	1.6	2.3	7.9	0.5	0.4	0.6	3.2	8.5
Total	kt	349.4	343.3	363.3	315.2	278.7	275.1	228.3	230.3
<b>Total beef and veal ef</b>									
Australia	kt	310.5	314.2	330.0	284.9	262.3	294.1	409.8	405.7
Canada	kt	13.6	17.4	18.8	21.1	19.7	2.6	0.0	0.1
New Zealand	kt	18.8	15.3	13.8	15.3	11.2	21.2	34.8	39.8
United States	kt	320.1	327.5	348.2	285.3	240.1	201.0	0.0	0.7
Other	kt	2.8	3.6	9.0	0.6	0.4	0.6	4.2	11.1
Total	kt	665.9	678.0	719.8	607.2	533.8	519.6	448.8	457.3
<b>Prices</b>									
Wagyu steer g	¥/kg	1 766	1 720	1 677	1 561	1 462	1 848	2 002	2 074
Dairy steer h	¥/kg	748	686	836	698	482	689	857	898

a At 1 February. b Includes dairy steers. c Cows only. d Carcass weight. e Product weight. f Total includes cheek meat, head meat and cooked meat. g Prices for an average of A3–A4 type steers at Tokyo Central Wholesale Meat Market. h Prices for an average of B2–B3 type steers at Tokyo Central Wholesale Meat Market.

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

## 170 Summary of Korean beef and veal statistics

	Native cattle numbers <sup>a</sup> '000	Production <sup>b</sup> kt	Consumption		Average prices		
			Imported beef and veal <sup>b</sup> '000	Total beef and veal <sup>b</sup> kt	Farm <sup>c</sup> won/kg	Wholesale <sup>d</sup> won/kg	Retail <sup>e</sup> won/kg
1970	1 284	na	na	37.3	na	na	658
1971	1 247	na	na	39.5	na	na	883
1972	1 333	na	0.3	40.2	na	na	1 013
1973	1 486	na	0.1	44.9	na	na	1 097
1974	1 778	na	0.0	51.5	na	na	1 315
1975	1 546	71.0	0.0	70.3	na	1 127	1 487
1976	1 451	103.0	1.0	75.5	na	1 707	2 123
1977	1 492	106.0	6.6	81.6	1 307	2 371	2 758
1978	1 624	102.0	2.2	114.7	1 712	2 729	3 460
1979	1 563	118.0	6.2	113.8	1 671	2 818	3 858
1980	1 390	127.0	10.6	100.0	1 963	3 577	4 820
1981	1 283	94.0	3.7	93.2	2 903	4 834	6 464
1982	1 526	83.0	4.5	106.5	3 539	5 437	7 432
1983	1 940	90.0	1.0	115.5	3 801	5 927	8 236
1984	2 318	122.0	1.8	106.6	3 577	5 723	8 316
1985	2 533	161.0	8.3	120.3	2 763	4 384	7 054
1986	2 370	208.0	3.6	147.9	2 487	3 875	6 234
1987	1 923	206.0	0.0	151.9	2 536	3 904	6 396
1988	1 589	175.0	14.2	141.5	3 511	5 500	8 276
1989	1 536	124.0	57.1	143.3	4 335	6 243	10 426
1990	1 622	131.0	81.9	177.0	4 811	6 629	11 450
1991	1 773	136.0	129.0	223.3	5 480	7 328	12 884
1992	2 019	137.0	127.3	226.9	6 007	7 634	14 170
1993	2 260	176.0	103.4	233.0	5 385	6 811	14 790
1994	2 393	200.0	122.5	269.8	5 835	7 244	15 438
1995	2 594	214.0	146.5	301.2	6 346	7 914	16 186
1996	2 844	236.0	149.2	322.9	5 696	6 971	16 236
1997	2 735	310.0	134.2	362.0	4 852	5 618	15 074
1998	2 383	348.0	87.1	345.5	4 014	5 438	13 822
1999	1 952	305.0	197.5	392.7	4 976	7 028	14 470
2000	1 590	278.0	237.8	402.4	5 504	7 414	17 418
2001	1 406	221.0	166.3	384.1	6 490	8 284	19 234
2002	1 410	192.0	292.2	402.7	7 854	9 127	29 478
2003	1 480	182.0	293.6	390.2	7 814	9 446	31 300
2004	1 666	186.0	132.9	327.8	7 094	8 703	30 392
2005	1 819	195.0	142.6	na	7 711	10 875	37 304

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

Source: Republic of Korea National Livestock Cooperatives Federation, *Materials on Price, Demand and Supply of Livestock Products*, Seoul; Korean Meat Trade Association; PS&D online.

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## Australian supply and use of pig and poultry meats

	Unit	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>Pig meat</b>										
Pig numbers <b>a</b>	'000	2 555	2 768	2 626	2 511	2 748	2 940	2 658	2 548	2 538
Breeding sows and gilts <b>a</b>	'000	303	320	309	293	332	356	352	318	329
Slaughtering	'000	4 899	5 212	5 037	5 014	5 172	5 603	5 723	5 440	5 372
Average slaughter weight <b>b</b>	kg	70.3	70.8	71.9	72.7	73.2	72.7	73.2	72.6	72.7
Production <b>b</b>	kt	344.2	369.0	362.2	364.4	378.5	407.3	418.9	394.8	390.3
Imports <b>bc</b>	kt	22.6	19.6	48.7	72.0	64.3	91.6	111.2	126.2	161.6
Exports <b>bc</b>	kt	16.5	25.1	45.1	55.5	77.0	91.1	87.1	69.2	63.8
Total consumption <b>bd</b>	kt	349.3	363.8	365.2	380.9	365.9	407.8	442.9	451.9	488.2
Consumption per person <b>bc</b>	kg	19.0	19.5	19.4	20.0	19.0	20.9	22.5	22.7	24.2
<b>Poultry meat <b>e</b></b>										
Slaughtering	million	356.9	372.8	382.1	401.6	397.2	428.2	418.3	435.6	432.9
Average dressed weight <b>b</b>	kg	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.9
Production <b>b</b>	kt	557.4	602.1	613.8	657.5	662.0	736.6	719.3	758.5	802.7
Exports <b>b</b>	kt	17.8	22.9	24.0	23.7	30.6	27.9	27.1	24.6	29.0
Total consumption <b>d</b>	kt	539.6	579.2	589.8	633.9	631.4	708.7	692.3	733.9	773.7
Consumption per person	kg	29.3	31.1	31.3	33.2	32.7	36.3	35.1	36.8	38.4

**a** Livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5 000. **b** Carcass weight. **c** Includes preserved pig meat. **d** Apparent consumption. **e** Includes chicken, turkey and duck.

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

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

	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
	'000	'000	'000	'000	'000	'000	'000	'000	'000
1993	823	434	622	307	438	45	3	na	2 673
1994	834	460	677	312	440	46	3	na	2 775
1995	791	439	644	316	423	38	3	na	2 653
1996	710	458	603	314	412	26	0	na	2 526
1997	729	485	600	297	417	24	2	na	2 555
1998	849	518	648	303	424	24	2	na	2 768
1999	778	521	621	277	406	22	2	na	2 626
2000	710	523	544	276	438	18	2	na	2 511
2001	845	557	597	286	438	22	2	na	2 748
2002	833	673	643	361	410	18	3	na	2 940
2003	729	555	663	381	309	19	3	na	2 658
2004	624	547	691	291	378	14	3	na	2 548
2005	732	524	666	266	335	12	2	na	2 538
2006	na	na	na	na	na	na	na	na	na

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

173 World pig and poultry meat production in selected countries <sup>a</sup>

	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Pig meat</b>								
Australia	369	362	364	379	407	419	395	390
Canada	1 394	1 564	1 640	1 731	1 854	1 882	1 936	1 915
China <b>b</b>	38 837	40 056	40 314	41 845	43 266	45 186	47 016	49 685
Chinese Taipei	892	822	921	962	935	893	898	920
Denmark	1 629	1 642	1 625	1 716	1 759	1 762	1 810	1 800
France	2 328	2 353	2 312	2 315	2 346	2 339	2 293	2 257
Germany	3 834	4 103	3 982	4 074	4 110	4 323	4 366	4 505
Netherlands	1 725	1 711	1 623	1 432	1 377	1 253	1 299	1 299
Russian Federation	1 510	1 490	1 500	1 560	1 630	1 710	1 725	1 755
United States	8 623	8 758	8 596	8 691	8 929	9 056	9 312	9 392
<b>Poultry meat</b>								
Australia	602	614	658	662	737	719	758	803
Brazil	4 605	5 641	6 117	6 732	7 631	7 845	8 648	9 625
Canada	937	986	1 029	1 076	1 079	1 077	1 091	1 155
China <b>b</b>	8 120	8 550	9 269	9 278	9 558	9 898	9 998	10 200
France	2 293	2 188	2 221	2 215	2 105	2 015	1 976	1 971
Italy	1 150	1 133	1 089	1 135	1 169	948	983	1 000
Japan	1 097	1 078	1 091	1 074	1 107	1 127	1 124	1 165
Russian Federation	289	358	387	437	509	562	665	757
Thailand	930	980	1 070	1 230	1 275	1 340	900	950
United States	14 890	15 739	16 122	16 523	17 024	17 225	17 727	18 333

<sup>a</sup> Carcass weight equivalent. <sup>b</sup> Excludes Hong Kong.

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

174 Volume of world pig meat trade for selected countries <sup>a</sup>

	1997	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Exports <sup>b</sup></b>									
Australia	17	25	45	55	77	91	87	69	64
Canada	420	433	554	660	728	864	975	972	1 083
China <sup>c</sup>	140	143	75	73	139	216	282	383	331
Chinese Taipei	70	28	0	0	0	0	0	0	0
European Union <sup>d</sup>	949	1 034	1 756	1 522	1 135	1 158	1 234	1 463	1 380
United States	473	558	582	584	707	731	779	989	1 207
<b>Imports <sup>b</sup></b>									
Australia	23	20	49	72	64	92	111	126	162
Hong Kong, China	171	207	217	247	260	275	302	332	305
Japan	786	777	919	995	1 068	1 162	1 133	1 302	1 339
European Union <sup>d</sup>	62	44	20	19	22	17	30	20	19
United States	288	320	375	438	431	486	538	499	464

<sup>a</sup> Carcass weight equivalent. <sup>b</sup> Excludes intra-EU trade. <sup>c</sup> Excludes Hong Kong. <sup>d</sup> Regarded as fifteen countries to 1999, then twenty five countries from 2000.

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

# 175 Australian supply and use of mutton and lamb

	Slaughterings '000	Average weight <sup>a</sup> kg	Production <sup>a</sup> kt	Exports <sup>ab</sup> kt	Apparent Consumption <sup>a</sup> kt
<b>Mutton</b>					
1982	14 016	19.6	274.2	205.5	54.7
1983	9 719	19.1	186.0	144.8	66.8
1984	9 306	20.4	189.6	97.1	93.7
1985	11 742	20.1	236.4	125.6	110.4
1986	14 223	19.7	280.1	168.6	112.1
1987	15 314	19.7	302.4	164.6	131.7
1988	13 130	19.9	261.3	155.1	109.7
1989	13 698	20.6	282.6	158.1	123.0
1990	17 254	20.7	358.0	192.8	142.7
1991	18 750	21.0	394.6	248.6	160.4
1992	18 186	20.7	376.6	245.0	131.0
1993	18 047	21.5	387.9	240.8	143.0
1994	17 991	20.9	375.3	241.5	155.0
1995	15 228	20.5	312.1	213.7	96.3
1996	14 447	21.1	304.1	200.3	106.7
1997	15 552	20.5	319.6	215.8	106.5
1998	15 316	20.6	316.2	216.4	100.6
1999	14 723	21.0	309.8	224.6	78.7
2000	16 379	21.1	345.7	248.2	97.5
2001	15 789	20.6	325.5	239.5	86.0
2002	14 873	20.0	296.7	228.6	71.2
2003	10 522	20.3	213.7	163.1	51.1
2004	11 145	20.9	233.0	185.1	38.0
2005	11 636	20.7	241.1	190.3	50.8
<b>Lamb</b>					
1982	17 127	17.0	290.3	34.3	257.2
1983	16 804	16.8	283.7	33.5	251.2
1984	16 542	17.2	284.6	29.7	253.6
1985	18 759	17.1	319.9	42.9	277.2
1986	18 356	16.6	304.8	53.2	251.7
1987	17 516	17.0	296.8	53.3	244.6
1988	16 675	17.4	289.9	46.8	244.5
1989	16 864	17.8	299.6	43.9	255.0
1990	16 549	17.5	289.0	44.9	242.4
1991	15 818	17.4	274.3	45.0	229.7
1992	15 595	17.6	274.7	52.8	223.2
1993	14 668	17.6	258.7	60.4	196.2
1994	15 718	17.9	281.3	64.2	220.4
1995	14 680	17.9	263.0	57.0	205.8
1996	14 069	18.5	260.8	64.0	195.8
1997	14 924	18.8	279.9	76.0	203.9
1998	15 659	19.2	300.8	86.3	214.1
1999	16 346	19.5	318.8	95.4	222.7
2000	18 507	19.9	368.2	125.9	242.3
2001	17 897	19.7	352.6	126.1	226.5
2002	17 086	19.8	337.6	121.4	216.2
2003	16 430	20.1	329.8	125.9	203.9
2004	16 675	20.4	340.2	137.8	202.4
2005	18 228	20.6	374.8	169.9	204.9

<sup>a</sup> Carcass weight. <sup>b</sup> Includes canned and miscellaneous product.

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



# 176 Australian sheep numbers, by state and territory <sup>a</sup>

	New South Wales million	Victoria million	Queensland million	South Australia million	Western Australia million	Tasmania million	Australian Capital Territory million	Australia million
<b>Total sheep and lambs</b>								
1986	52.840	26.892	14.311	17.938	33.213	5.083	0.122	150.399
1987	53.726	27.793	14.926	17.645	33.741	5.246	0.105	153.181
1988	56.430	28.254	14.807	17.718	34.219	5.006	0.100	156.536
1989	59.907	29.387	15.184	17.779	37.335	5.196	0.119	164.908
1990	62.946	30.643	17.014	18.748	38.674	5.618	0.130	173.776
1991	60.571	28.789	17.795	17.513	36.708	5.059	0.128	166.566
1992	54.231	26.081	15.338	16.445	34.289	4.499	0.112	150.995
1993	48.906	24.430	13.495	16.009	33.195	4.403	0.106	140.542
1994	46.531	23.439	11.548	14.679	31.951	4.324	0.097	132.569
1995	40.515	21.371	11.577	13.249	30.217	3.853	0.078	120.862
1996	41.091	21.974	10.706	13.575	29.834	3.862	0.073	121.116
1997	42.388	22.325	10.528	13.106	27.821	3.977	0.084	120.228
1998	40.821	21.122	10.992	13.136	27.476	3.869	0.076	117.491
1999	40.583	20.944	10.556	13.065	28.378	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	35.450	20.012	6.080	12.263	23.149	3.087	0.088	100.130

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

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

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

	Unit	1998	1999	2000	2001	2002	2003	2004	2005
<b>Mutton ab</b>									
Canada	kt	1.6	1.6	2.2	2.4	1.5	1.1	1.6	1.6
Chinese Taipei	kt	12.3	12.0	11.6	12.1	14.7	10.2	13.1	11.3
CIS	kt	5.2	0.6	1.6	1.6	2.3	0.5	1.9	5.4
European Union c	kt	10.9	8.0	8.5	7.6	8.6	5.5	8.4	9.0
Japan	kt	13.0	10.9	11.1	10.4	10.4	6.6	9.0	8.3
Korea, Rep. of	kt	1.4	1.4	1.0	1.0	1.2	0.8	1.0	1.1
Malaysia	kt	5.7	7.2	7.7	7.3	7.1	5.2	6.6	5.9
Papua New Guinea	kt	7.4	7.6	6.4	5.5	5.5	4.6	5.9	3.9
Saudi Arabia	kt	17.9	19.9	20.9	29.8	24.5	22.5	19.5	22.7
Singapore	kt	7.2	7.8	7.6	7.6	6.6	6.2	6.4	5.6
South Africa	kt	25.9	30.6	38.4	24.7	15.7	9.3	12.6	15.0
United States	kt	18.2	17.7	21.5	18.8	20.9	20.1	14.6	16.1
Other	kt	37.1	46.3	47.7	55.5	54.0	31.6	38.6	42.4
Total	kt	163.6	171.7	186.2	184.2	172.7	124.1	139.1	148.4
<b>Lamb a</b>									
European Union c	kt	9.7	11.8	14.5	14.4	14.1	16.4	14.9	12.3
Japan	kt	4.0	4.6	5.1	6.1	5.8	6.0	7.7	11.7
Papua New Guinea	kt	10.3	11.3	14.8	11.9	10.0	9.6	11.6	12.4
South Africa	kt	7.1	7.2	11.1	3.6	1.3	1.6	2.3	3.8
United Arab Emirates	kt	5.7	6.1	7.2	7.2	8.4	7.1	5.8	6.9
United States	kt	15.8	15.8	20.9	28.4	28.8	31.0	31.9	40.8
Other	kt	24.6	28.6	40.4	42.0	39.8	38.1	44.2	56.6
Total	kt	77.1	85.4	113.9	113.6	108.2	109.6	118.5	144.5
<b>Live sheep</b>									
Slaughter sheep	'000	4 895	4 960	5 321	6 699	6 024	4 738	3 394	4 184
Middle East	'000	4 858	4 892	5 282	6 596	5 931	4 634	3 356	4 144
Bahrain	'000	374	465	405	388	386	411	490	521
Egypt	'000	38	164	349	271	139	16	0	0
Jordan	'000	837	1 068	713	542	583	499	930	885
Kuwait	'000	1 434	1 250	1 473	1 540	1 570	1 499	1 260	891
Oman	'000	476	424	531	481	353	259	289	359
Qatar	'000	362	281	308	308	282	181	137	180
Saudi Arabia	'000	0	0	641	2 141	1 873	1 411	0	1 072
United Arab Emirates	'000	1 279	976	817	682	466	225	196	231
Other	'000	58	264	46	242	279	134	53	5
Singapore	'000	18	18	17	13	6	7	9	16
Other	'000	20	51	22	90	87	98	29	24
Breeding sheep	'000	85	65	100	112	39	4	3	1
Total	'000	4 980	5 026	5 421	6 812	6 063	4 742	3 397	4 185

a Shipped weight. b Includes young sheep and hoggets. c Regarded as twenty five countries.  
Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

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

	1998	1999	2000	2001	2002	2003	2004	2005
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
<b>Mutton a</b>								
Canada	3.2	3.1	4.6	6.8	5.2	3.6	5.8	5.4
Chinese Taipei	29.1	27.6	26.3	36.9	48.9	32.2	41.9	34.8
CIS	9.2	0.9	3.1	3.7	5.4	1.3	5.8	13.5
European Union b	44.8	28.2	34.1	42.0	41.4	28.1	43.2	48.3
Japan	37.9	32.6	34.0	42.7	51.1	29.9	47.1	38.1
Korea, Rep. of	2.3	2.1	1.7	2.3	3.3	2.2	3.1	3.1
Malaysia	11.6	13.7	16.5	21.7	22.9	15.9	22.6	18.5
Papua New Guinea	8.0	7.5	6.2	7.4	6.6	6.1	5.1	5.2
Saudi Arabia	37.4	36.8	43.9	90.1	77.5	65.0	53.0	63.9
Singapore	16.4	16.5	18.4	23.4	23.2	20.4	22.0	18.6
South Africa	34.6	35.3	46.3	30.9	17.6	11.1	14.1	18.7
United States	40.3	37.1	43.9	56.4	64.7	67.9	48.6	44.4
Other	77.9	84.2	97.1	146.3	152.0	91.7	113.4	119.7
<b>Total</b>	<b>352.5</b>	<b>325.8</b>	<b>376.3</b>	<b>510.6</b>	<b>519.7</b>	<b>375.3</b>	<b>425.9</b>	<b>432.0</b>
<b>Lamb</b>								
European Union b	48.2	52.3	74.3	105.7	89.3	96.9	93.4	83.9
Japan	22.9	25.1	30.7	37.0	40.7	42.3	53.5	79.1
Papua New Guinea	12.0	13.0	16.0	18.0	15.7	14.4	17.3	19.4
South Africa	9.7	10.0	15.3	5.5	1.2	2.1	3.5	5.3
United Arab Emirates	18.1	18.2	24.2	27.4	31.6	29.9	27.0	32.8
United States	97.6	103.2	150.2	219.9	218.2	257.5	259.9	324.2
Other	87.2	96.3	137.0	165.7	169.5	159.7	184.7	233.1
<b>Total</b>	<b>295.6</b>	<b>318.0</b>	<b>447.7</b>	<b>579.1</b>	<b>566.2</b>	<b>602.8</b>	<b>639.3</b>	<b>777.8</b>
<b>Live sheep c</b>								
Middle East	187	177	204	349	395	330	223	275
Bahrain	13	15	13	20	25	29	33	35
Egypt	1	6	12	14	9	1	0	0
Jordan	32	35	24	28	39	35	58	53
Kuwait	53	47	61	79	101	105	84	60
Oman	18	17	20	26	24	19	20	25
Qatar	17	13	15	16	21	13	10	12
Saudi Arabia	0	0	27	120	127	104	0	74
United Arab Emirates	49	35	29	34	30	16	13	15
Other	2	3	2	5	7	8	3	4
<b>Total</b>	<b>189</b>	<b>180</b>	<b>206</b>	<b>355</b>	<b>402</b>	<b>338</b>	<b>225</b>	<b>279</b>

a Includes young sheep and hoggets. b Regarded as twenty five countries. c Excludes animals for breeding.  
Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

## 179 World sheep numbers, by country <sup>a</sup>

	1997	1998	1999	2000	2001	2002	2003	2004	2005
	million	million	million	million	million	million	million	million	million
Argentina	17.3	13.7	13.6	13.6	13.5	12.4	12.5	12.5	12.5
Australia	120.2	117.5	115.5	118.6	110.9	106.2	99.3	101.3	101.1
China <sup>b</sup>	114.1	121.0	127.4	131.1	133.2	135.9	143.8	155.7	170.9
France	10.5	10.3	10.2	9.6	9.4	9.3	9.3	9.2	9.2
Greece	8.9	9.0	8.9	9.0	9.0	9.2	8.9	9.0	9.0
India	56.5	57.1	57.6	59.6	60.4	61.1	61.8	62.5	62.5
Iran	52.1	53.2	53.9	53.9	53.9	53.9	53.9	54.0	54.0
Iraq	6.6	6.7	6.8	6.8	6.1	6.2	na	na	6.2
Italy	10.9	11.0	10.9	11.0	8.3	8.1	8.0	8.0	8.2
Morocco	15.3	14.8	16.6	17.3	17.2	16.3	16.7	17.0	17.0
New Zealand	47.0	46.0	45.7	42.3	40.0	39.5	39.3	40.0	39.9
Romania	9.7	8.9	8.4	8.1	7.7	7.3	7.3	7.5	7.4
Russian Federation	20.3	16.5	13.4	12.6	12.6	13.0	13.7	14.7	15.5
South Africa	29.2	29.3	28.7	28.6	28.8	28.9	28.8	29.1	25.3
Spain	24.0	24.9	24.2	24.0	24.4	23.8	23.5	24.0	22.5
Turkey	33.1	30.2	29.4	30.3	28.5	27.0	25.2	25.0	25.2
United Kingdom	30.0	31.1	29.7	42.3	36.7	35.8	35.7	35.5	35.3
United States	8.0	7.8	7.2	7.0	7.0	6.6	6.3	6.1	6.1
Uruguay	18.2	16.5	14.4	13.2	12.1	10.8	10.0	9.5	9.7
Total	1 043.1	1 046.0	1 052.6	1 053.9	1 033.6	1 030.5	1 038.7	1 059.8	1 079.0

<sup>a</sup> Mostly at 1 December of year shown. Data for Australia are at 31 March. <sup>b</sup> Excludes Hong Kong. <sup>na</sup> Not available.

Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; FAO, *FAOSTAT Agriculture Database*, Rome; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC.

## 180 World mutton and lamb production, by country <sup>a</sup>

	1997	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Argentina	58	57	54	50	50	50	52	52	na
Australia	599	617	629	714	678	634	543	573	616
China <sup>b</sup>	1 190	1 239	1 335	1 440	1 540	1 680	1 892	2 240	2 420
France	141	144	138	133	134	128	129	124	na
Italy	72	73	73	65	62	58	58	56	na
New Zealand	524	547	519	533	562	521	546	509	520
Romania	59	60	54	49	48	51	62	68	na
Russian Federation	178	178	143	119	114	115	114	120	na
Spain	229	250	239	232	236	237	236	231	235
Ukraine	20	17	15	9	8	8	8	8	na
United Kingdom	321	351	361	383	267	307	306	314	310
United States	118	114	113	106	101	101	92	90	na
Uruguay	60	55	51	51	51	31	27	27	na
Total	7 170	7 298	7 345	7 554	7 603	7 715	7 928	8 225	na

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

Sources: ABS, *Livestock Products, Australia*, cat. no. 7215.0, Canberra; FAO, *FAOSTAT Agriculture Database*, Rome; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC; Meat and Wool New Zealand, *Annual Report*, Wellington.

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## Volume of trade in mutton and lamb, by selected countries <sup>a</sup>

	1998	1999	2000	2001	2002	2003	2004	2005
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Exports</b>								
Australia <sup>b</sup>								
Mutton	216	225	248	240	229	163	185	190
Lamb	86	95	126	126	121	126	138	170
New Zealand <sup>c</sup>								
Mutton	92	83	79	92	82	92	58	57
Lamb	334	325	354	357	339	337	300	312
<b>Imports</b>								
European Union								
France	167	167	170	120	140	145	139	na
Germany	43	41	44	42	38	40	32	na
United Kingdom	116	113	109	93	102	103	116	na
Saudi Arabia								
Mutton and lamb from								
Australia <sup>b</sup>	27	32	32	41	38	30	23	27
New Zealand <sup>c</sup>	21	22	23	17	12	10	14	13
United States <sup>d</sup>	52	50	60	67	74	78	78	na

<sup>a</sup> Carcass weight. <sup>b</sup> Includes canned and miscellaneous product. <sup>c</sup> For year ended 30 September. <sup>d</sup> Includes some goat meat. For year ended 30 September. **na** Not available.

Sources: Department of Agriculture, Fisheries and Forestry, *Export Statistics*, Canberra; Meat and Wool New Zealand, *Annual Report*, Wellington; US Department of Agriculture, *Livestock and Poultry: World Markets and Trade*, Foreign Agricultural Service Circular, Washington DC; US Department of Agriculture, *Livestock, Dairy and Poultry Outlook, Electronic Outlook Report from the Economic Research Service*, Washington DC.

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## Volume of New Zealand sheep meat exports, by destination <sup>a</sup>

	1998-99 kt	1999-00 kt	2000-01 kt	2001-02 kt	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt
<b>Mutton</b>								
Canada	0.5	0.3	0.2	0.3	0.3	0.4	0.7	0.9
European Union <sup>b</sup>	27.3	27.5	31.4	28.2	31.7	26.0	28.7	26.8
Japan	2.4	2.0	2.5	1.6	1.8	1.7	1.3	1.5
Korea, Rep. of	3.2	1.7	0.0	0.0	5.0	0.1	0.1	0.0
Papua New Guinea	2.7	1.2	1.2	1.4	1.6	0.9	1.7	1.1
Russian Federation	0.0	0.0	0.1	0.1	6.1	0.2	0.5	0.8
United States	1.2	0.8	0.4	1.0	1.2	3.2	1.1	0.9
Other	17.0	16.8	22.9	19.4	21.8	21.7	24.3	24.9
Total	54.4	50.4	58.8	52.0	69.4	57.0	60.3	56.8
<b>Lamb</b>								
Canada	6.6	6.7	9.0	9.5	10.7	9.7	9.0	9.1
Germany	23.2	23.0	26.7	23.9	26.9	20.5	21.5	23.0
Japan	9.4	7.9	8.6	7.9	8.9	11.3	11.0	13.1
Korea, Rep. of	0.7	0.6	0.5	0.5	0.6	1.1	1.2	0.7
Jordan	8.8	9.5	6.3	5.1	5.7	3.2	1.5	1.3
Papua New Guinea	8.8	12.6	9.8	4.9	5.5	7.5	7.6	7.9
Saudi Arabia	15.9	19.3	15.7	11.4	12.8	13.0	13.6	12.4
United Kingdom	68.1	70.6	66.4	61.5	69.3	69.8	68.3	75.4
United States	17.2	17.0	16.5	20.5	23.0	25.0	19.4	19.7
Other	112.5	129.4	142.3	141.3	159.1	133.4	147.0	148.8
Total	271.1	296.5	301.9	286.5	322.4	294.6	300.0	311.5

<sup>a</sup> For October–September year. Shipped weight. <sup>b</sup> Regarded as twelve countries to 2002-03, then twenty five countries from 2003-04. <sup>na</sup> Not available.

Source: Meat and Wool New Zealand, *Annual Report*, Wellington.

183 Summary of Australian statistics for oilseeds <sup>a</sup>

	Area '000 ha	Yield t/ha	Production kt	Exports <sup>b</sup> kt	Domestic use <sup>c</sup> kt
1960-61	58	na	na	0	na
1961-62	43	0.70	30	0	30
1962-63	56	0.79	44	1	43
1963-64	74	0.80	59	6	53
1964-65	92	0.77	71	7	64
1965-66	58	0.76	44	0	44
1966-67	81	1.00	81	6	75
1967-68	93	0.63	59	9	50
1968-69	95	0.58	55	12	43
1969-70	161	0.96	155	6	149
1970-71	269	0.76	204	9	195
1971-72	528	0.70	371	103	268
1972-73	447	0.60	268	48	220
1973-74	306	0.84	258	17	241
1974-75	402	0.86	345	48	297
1975-76	292	0.83	243	82	161
1976-77	271	0.88	240	5	235
1977-78	444	0.94	416	8	408
1978-79	511	1.02	520	65	455
1979-80	497	0.97	484	141	343
1980-81	400	1.12	450	6	444
1981-82	411	1.24	509	26	483
1982-83	386	0.91	349	3	346
1983-84	529	1.04	549	20	529
1984-85	710	1.30	925	51	874
1985-86	686	1.27	872	183	689
1986-87	552	1.28	708	125	583
1987-88	633	1.35	856	91	765
1988-89	569	1.47	838	217	621
1989-90	458	1.67	763	172	591
1990-91	599	1.74	1 040	187	853
1991-92	638	1.78	1 136	231	905
1992-93	541	1.60	864	241	623
1993-94	708	1.49	1 055	287	769
1994-95	807	1.14	920	252	668
1995-96	861	1.56	1 342	523	819
1996-97	1 048	1.69	1 776	523	1 253
1997-98	1 300	1.52	1 980	908	1 072
1998-99	2 123	1.47	3 113	1 707	1 406
1999-00	2 667	1.45	3 867	2 445	1 422
2000-01	2 144	1.45	3 098	2 189	909
2001-02	1 881	1.59	2 982	1 920	1 063
2002-03	1 627	0.94	1 523	887	636
2003-04	1 553	1.55	2 400	1 234	1 166
2004-05	1 839	1.44	2 641	1 261	1 380
2005-06	1 479	1.70	2 521	1 106	1 415

<sup>a</sup> Oilseeds are comprised of canola, cottonseed, linseed, peanuts, safflowerseed, soybeans and sunflowerseed. <sup>b</sup> Seed only. On a financial year basis. <sup>c</sup> Includes any imports of seed, stocks carried over to the next season, feed and seed use, and any processing, of which some may be exported. **na** Not available.

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

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
<b>Canola</b>								
<b>Area</b>								
1999-00	'000 ha	515.5	304.1	0.9	878.8	210.3	1.1	1 910.6
2000-01	'000 ha	523.4	260.7	2.7	517.3	154.3	0.8	1 459.1
2001-02	'000 ha	533.7	238.5	1.3	393.9	163.7	0.5	1 331.5
2002-03	'000 ha	490.0	248.0	0.0	349.0	210.0	0.5	1 298.0
2003-04	'000 ha	366.0	239.0	0.0	358.0	247.0	0.0	1 211.0
2004-05	'000 ha	434.0	284.0	0.0	428.0	230.0	1.0	1 377.0
2005-06	'000 ha	145.0	225.0	1.0	440.0	150.0	1.0	962.0
<b>Yield</b>								
1999-00	t/ha	1.6	1.4	1.1	1.1	1.2	1.6	1.3
2000-01	t/ha	1.6	1.5	0.5	0.7	1.3	1.7	1.2
2001-02	t/ha	1.3	1.5	1.2	1.1	1.7	1.8	1.3
2002-03	t/ha	0.4	0.7	0.0	0.9	1.0	1.8	0.7
2003-04	t/ha	1.2	1.6	0.0	1.5	1.4	0.0	1.4
2004-05	t/ha	1.1	1.2	0.0	1.1	1.1	1.0	1.1
2005-06	t/ha	1.8	1.5	1.0	1.4	1.5	1.0	1.5
<b>Production</b>								
1999-00	kt	826.8	423.3	1.0	963.2	243.9	1.7	2 459.9
2000-01	kt	835.7	379.7	1.3	352.5	204.4	1.3	1 775.0
2001-02	kt	715.3	347.4	1.5	418.7	272.1	1.0	1 755.9
2002-03	kt	184.0	177.0	0.0	299.0	210.0	0.8	871.0
2003-04	kt	438.0	384.0	0.0	527.0	354.0	0.0	1 703.0
2004-05	kt	468.0	342.0	1.0	488.0	242.0	1.0	1 542.0
2005-06	kt	253.8	337.5	1.0	630.0	217.5	1.0	1 440.8
<b>Cottonseed</b>								
<b>Area</b>								
1999-00	'000 ha	313.0	0.0	151.3	0.0	0.0	0.0	464.3
2000-01	'000 ha	327.9	0.0	199.4	0.0	0.0	0.0	527.3
2001-02	'000 ha	289.7	0.0	119.3	0.0	0.0	0.0	409.0
2002-03	'000 ha	165.2	0.0	59.3	0.0	0.0	0.0	224.5
2003-04	'000 ha	97.2	0.0	100.8	0.0	0.0	0.0	198.1
2004-05	'000 ha	162.8	0.0	158.1	0.0	0.0	0.0	320.9
2005-06	'000 ha	214.3	0.0	121.2	0.0	0.0	0.0	335.5
<b>Yield</b>								
1999-00	t/ha	2.2	0.0	2.3	0.0	0.0	0.0	2.3
2000-01	t/ha	2.3	0.0	2.0	0.0	0.0	0.0	2.2
2001-02	t/ha	2.7	0.0	2.3	0.0	0.0	0.0	2.6
2002-03	t/ha	2.6	0.0	2.0	0.0	0.0	0.0	2.4
2003-04	t/ha	2.6	0.0	2.4	0.0	0.0	0.0	2.5
2004-05	t/ha	3.0	0.0	2.7	0.0	0.0	0.0	2.8
2005-06	t/ha	2.7	0.0	2.3	0.0	0.0	0.0	2.5
<b>Production</b>								
1999-00	kt	695.7	0.0	350.4	0.0	0.0	0.0	1 046.2
2000-01	kt	740.5	0.0	399.5	0.0	0.0	0.0	1 140.0
2001-02	kt	777.1	0.0	276.4	0.0	0.0	0.0	1 053.5
2002-03	kt	425.3	0.0	120.5	0.0	0.0	0.0	545.8
2003-04	kt	254.2	0.0	239.6	0.0	0.0	0.0	493.7
2004-05	kt	491.8	0.0	420.5	0.0	0.0	0.0	912.3
2005-06	kt	570.6	0.0	273.8	0.0	0.0	0.0	844.4

Continued



	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
<b>Sunflowerseed</b>								
<b>Area</b>								
1999-00	'000 ha	41.2	0.4	119.5	0.1	0.3	0.0	161.5
2000-01	'000 ha	17.6	0.2	64.3	0.0	0.2	0.0	82.3
2001-02	'000 ha	30.1	0.1	48.0	0.0	0.6	0.0	78.8
2002-03	'000 ha	14.0	0.0	25.5	0.0	0.0	0.0	39.5
2003-04	'000 ha	21.2	0.0	25.0	0.0	0.0	0.0	46.2
2004-05	'000 ha	29.0	0.0	17.0	0.0	0.0	0.0	46.0
2005-06	'000 ha	74.6	0.0	4.4	0.0	0.0	0.0	79.0
<b>Yield</b>								
1999-00	t/ha	1.5	0.8	0.9	0.8	1.2	0.0	1.1
2000-01	t/ha	1.1	0.9	0.9	0.0	2.0	0.0	0.9
2001-02	t/ha	1.2	1.1	0.7	0.0	0.3	0.0	0.9
2002-03	t/ha	0.8	0.0	0.5	0.0	0.0	0.0	0.6
2003-04	t/ha	1.5	0.0	1.1	0.0	0.0	0.0	1.3
2004-05	t/ha	1.6	0.0	0.9	0.0	0.0	0.0	1.3
2005-06	t/ha	1.2	0.0	1.0	0.0	0.0	0.0	1.2
<b>Production</b>								
1999-00	kt	61.2	0.3	107.8	0.1	0.4	0.0	169.8
2000-01	kt	20.0	0.2	57.0	0.0	0.3	0.0	77.5
2001-02	kt	36.0	0.1	33.2	0.0	0.2	0.0	69.6
2002-03	kt	11.5	0.0	13.0	0.0	0.0	0.0	24.5
2003-04	kt	31.7	0.0	26.3	0.0	0.0	0.0	58.0
2004-05	kt	47.0	0.0	15.0	0.0	0.0	0.0	62.0
2005-06	kt	93.2	0.0	4.5	0.0	0.0	0.0	97.6
<b>Peanuts</b>								
<b>Area</b>								
1999-00	'000 ha	0.4	0.0	19.6	0.0	0.0	0.0	20.2
2000-01	'000 ha	0.5	0.0	16.7	0.0	0.0	0.0	17.4
2001-02	'000 ha	0.5	0.0	14.0	0.0	0.0	0.0	14.7
2002-03	'000 ha	0.3	0.0	10.0	0.0	0.0	0.0	10.5
2003-04	'000 ha	0.8	0.0	13.0	0.0	0.0	0.0	14.0
2004-05	'000 ha	0.0	0.0	14.0	0.0	0.0	0.0	14.0
2005-06	'000 ha	0.8	0.0	23.4	0.0	0.0	0.0	24.5
<b>Yield</b>								
1999-00	t/ha	3.3	0.0	2.0	0.0	0.0	0.0	2.0
2000-01	t/ha	1.8	0.0	2.2	0.0	0.0	0.0	2.2
2001-02	t/ha	4.3	0.0	1.9	0.0	0.0	0.0	2.0
2002-03	t/ha	2.7	0.0	2.7	0.0	0.0	0.0	2.7
2003-04	t/ha	1.3	0.0	3.2	0.0	0.0	0.0	3.1
2004-05	t/ha	0.0	0.0	2.2	0.0	0.0	0.0	2.3
2005-06	t/ha	1.9	0.0	1.8	0.0	0.0	0.0	1.8
<b>Production</b>								
1999-00	kt	1.3	0.0	38.7	0.0	0.0	0.0	40.3
2000-01	kt	1.0	0.0	37.4	0.0	0.0	0.0	38.9
2001-02	kt	2.3	0.0	26.5	0.0	0.0	0.0	29.3
2002-03	kt	0.7	0.0	27.0	0.0	0.0	0.0	28.0
2003-04	kt	1.0	0.0	42.0	0.0	0.0	0.0	44.0
2004-05	kt	0.8	0.0	30.7	0.0	0.0	0.0	32.0
2005-06	kt	1.5	0.0	42.4	0.0	0.0	0.0	44.6

*Continued*

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
<b>Safflowerseed</b>								
<b>Area</b>								
1999-00	'000 ha	24.6	13.6	0.5	0.0	5.4	0.0	44.2
2000-01	'000 ha	7.4	3.9	0.6	0.0	2.2	0.0	14.0
2001-02	'000 ha	16.3	13.6	2.1	0.0	5.0	0.0	3.6
2002-03	'000 ha	12.0	14.4	4.0	0.0	4.6	0.0	35.0
2003-04	'000 ha	15.0	17.0	2.7	1.5	5.3	0.0	41.5
2004-05	'000 ha	19.4	16.5	2.6	0.5	6.0	0.0	45.0
2005-06	'000 ha	19.0	16.2	2.5	0.5	5.9	0.0	44.1
<b>Yield</b>								
1999-00	t/ha	0.8	0.8	0.6	0.0	0.9	0.0	0.8
2000-01	t/ha	0.7	0.5	0.8	0.0	0.6	0.0	0.6
2001-02	t/ha	0.0	0.1	0.0	0.0	0.2	0.0	0.5
2002-03	t/ha	1.0	0.7	0.3	0.0	0.8	0.0	0.7
2003-04	t/ha	0.9	0.5	0.5	0.0	0.7	0.0	0.7
2004-05	t/ha	0.7	0.5	0.4	0.0	0.7	0.0	0.6
2005-06	t/ha	0.8	0.6	0.4	0.0	0.7	0.0	0.6
<b>Production</b>								
1999-00	kt	20.6	10.8	0.3	0.0	5.0	0.0	36.7
2000-01	kt	5.2	2.0	0.5	0.0	1.3	0.0	9.0
2001-02	kt	0.2	0.8	0.0	0.0	0.9	0.0	1.9
2002-03	kt	11.6	9.4	1.2	0.0	3.8	0.0	26.0
2003-04	kt	13.6	9.2	1.4	0.0	3.8	0.0	28.0
2004-05	kt	14.1	8.9	0.9	0.0	4.1	0.0	28.0
2005-06	kt	14.4	9.0	1.0	0.0	4.2	0.0	28.5
<b>Soybeans</b>								
<b>Area</b>								
1999-00	'000 ha	32.0	1.4	22.4	0.0	0.0	0.0	55.8
2000-01	'000 ha	20.8	0.8	11.6	0.0	0.0	0.0	33.3
2001-02	'000 ha	21.1	0.8	11.5	0.0	0.0	0.0	33.4
2002-03	'000 ha	7.3	0.1	3.0	0.0	0.0	0.0	10.3
2003-04	'000 ha	17.8	0.5	15.1	0.0	0.0	0.0	33.4
2004-05	'000 ha	17.0	1.2	8.0	0.0	0.0	0.0	26.2
2005-06	'000 ha	16.6	0.3	7.0	0.0	0.0	0.0	23.8
<b>Yield</b>								
1999-00	t/ha	1.8	2.2	1.9	0.0	0.0	0.0	1.9
2000-01	t/ha	1.6	1.7	1.2	0.0	0.0	0.0	1.5
2001-02	t/ha	2.1	0.9	1.5	0.0	0.0	0.0	1.9
2002-03	t/ha	1.8	2.5	1.7	0.0	0.0	0.0	1.8
2003-04	t/ha	2.3	1.5	2.2	0.0	0.0	0.0	2.2
2004-05	t/ha	2.2	0.9	2.0	0.0	0.0	0.0	2.1
2005-06	t/ha	2.4	2.8	2.1	0.0	0.0	0.0	2.3
<b>Production</b>								
1999-00	kt	59.1	3.2	41.7	0.0	0.0	0.0	104.0
2000-01	kt	32.8	1.4	14.4	0.0	0.0	0.0	48.6
2001-02	kt	44.6	0.7	17.8	0.0	0.0	0.0	63.1
2002-03	kt	13.2	0.1	4.9	0.0	0.0	0.0	18.3
2003-04	kt	40.1	0.8	32.7	0.0	0.0	0.0	73.7
2004-05	kt	37.6	1.1	15.6	0.0	0.0	0.0	54.4
2005-06	kt	39.9	0.9	14.7	0.0	0.0	0.0	55.5

*Continued*

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
<b>Total oilseeds</b>								
<b>Area</b>								
1999-00	'000 ha	926.8	319.9	314.3	878.9	216.0	1.1	2 666.9
2000-01	'000 ha	897.6	266.1	295.3	517.3	156.6	0.8	2 143.5
2001-02	'000 ha	891.4	253.5	196.1	394.0	169.3	0.5	1 881.2
2002-03	'000 ha	688.8	262.7	101.7	349.0	214.6	0.5	1 626.8
2003-04	'000 ha	517.9	257.3	156.6	359.5	252.3	0.0	1 553.1
2004-05	'000 ha	662.2	301.7	199.6	428.5	236.0	1.0	1 839.1
2005-06	'000 ha	470.3	242.3	159.5	440.5	155.9	1.0	1 479.0
<b>Yield</b>								
1999-00	t/ha	1.8	1.4	1.7	1.1	1.2	1.6	1.5
2000-01	t/ha	1.8	1.4	1.7	0.7	1.3	1.7	1.4
2001-02	t/ha	1.8	1.4	1.8	1.1	1.6	1.8	1.6
2002-03	t/ha	0.9	0.7	1.6	0.9	1.0	1.8	0.9
2003-04	t/ha	1.5	1.5	2.2	1.5	1.4	0.0	1.5
2004-05	t/ha	1.6	1.2	2.4	1.1	1.0	1.0	1.4
2005-06	t/ha	2.1	1.4	2.1	1.4	1.4	1.0	1.7
<b>Production</b>								
1999-00	kt	1 664.7	437.6	540.0	963.3	249.2	1.7	3 867.0
2000-01	kt	1 635.2	383.4	510.1	352.5	206.0	1.3	3 098.2
2001-02	kt	1 575.5	349.0	355.4	418.7	273.1	1.0	2 982.3
2002-03	kt	646.3	186.5	166.6	299.0	213.8	0.8	1 522.6
2003-04	kt	778.6	394.0	342.0	527.0	357.8	0.0	2 400.4
2004-05	kt	1 059.3	352.0	483.8	488.0	246.1	1.0	2 640.6
2005-06	kt	973.3	347.4	337.3	630.0	221.7	1.0	2 521.3

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

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

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Oilseeds</b>								
Canola	1 319.83	1 892.61	1 479.11	1 303.09	612.30	1 048.78	1 018.56	884.27
Cottonseed	359.94	530.75	657.79	593.64	258.57	166.57	214.35	204.45
Linseed	0.32	0.10	0.01	0.03	0.03	0.02	0.21	0.16
Peanuts	4.75	3.93	2.81	5.10	3.53	10.18	12.27	2.34
Safflowerseed	8.60	6.93	13.62	10.36	2.77	3.62	5.63	7.76
Soybeans	2.53	2.65	11.26	5.42	7.22	3.55	6.88	4.08
Sunflowerseed	11.02	7.65	24.81	1.98	2.25	1.37	3.13	3.40
Total <b>a</b>	1 706.99	2 444.63	2 189.43	1 919.62	886.67	1 234.08	1 261.04	1 106.46
(value, \$m)	672.95	789.97	709.10	740.72	391.55	540.40	484.12	403.90
<b>Oils</b>								
Canola	56.18	39.00	28.05	31.31	31.38	46.91	47.19	34.42
Cottonseed	1.35	0.31	0.64	2.49	2.05	1.98	2.19	2.74
Linseed	0.03	0.01	0.00	0.30	0.01	0.02	0.01	0.08
Palm	0.67	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Peanut	0.67	0.09	0.16	0.59	0.12	0.52	0.25	0.15
Safflowerseed	1.45	0.37	0.07	0.13	0.00	0.00	0.02	0.00
Soybeans	2.06	0.29	3.15	2.21	1.43	1.74	0.16	0.41
Sunflowerseed	8.32	5.41	6.34	4.73	4.26	1.06	3.52	7.76
Olive	0.24	0.27	0.33	0.31	0.14	0.30	0.63	2.47
Total	72.97	47.83	41.82	49.55	51.36	62.43	62.91	60.52
(value, \$m)	76.60	40.76	39.93	53.54	62.27	66.02	72.35	80.11
<b>Oilseed meals</b>								
Canola	0.18	0.54	1.73	0.00	0.00	0.00	0.00	0.00
Cottonseed and sunflowerseed	30.08	46.83	59.71	31.92	9.15	10.15	6.42	11.99
Linseed	0.00	0.02	0.00	0.74	0.19	0.00	0.01	0.00
Soybeans	2.43	1.74	2.47	1.78	1.54	2.82	7.90	2.33
Other <b>b</b>	115.41	68.64	8.32	1.80	1.38	1.17	5.61	5.53
Total	148.10	117.77	72.22	36.24	12.27	14.13	19.95	19.85
(value, \$m)	422.58	220.23	559.89	10.07	5.59	5.23	9.17	6.14

**a** Excludes sesame seed and other oleaginous fruit. **b** Includes flour, meal of oilseeds, and oleaginous fruit. Excludes peanut meal.  
Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABARE.

# 186

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

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Oilseeds</b>								
<b>Canola</b>								
Bangladesh	126.33	99.36	148.22	151.75	70.12	100.57	67.95	41.30
China	393.79	1 212.02	294.81	335.77	50.08	2.19	39.62	0.00
Japan	293.19	369.96	375.94	395.43	444.40	545.84	495.23	370.27
Pakistan	42.83	56.21	224.32	306.66	38.50	284.28	387.24	97.46
Other	463.69	155.06	435.82	113.48	9.20	115.90	28.53	375.24
Total <sup>a</sup>	1 319.83	1 892.61	1 479.11	1 303.09	612.30	1 048.78	1 018.56	884.27
<b>Cottonseed</b>								
Chinese Taipei	3.50	3.35	2.45	1.47	0.57	0.42	0.61	0.87
Japan	175.34	175.98	152.57	164.48	133.41	134.12	144.67	162.72
Korea, Rep. of	55.39	83.14	94.60	88.47	22.72	28.42	56.04	39.64
Saudi Arabia	0.30	2.27	17.00	8.50	0.00	0.00	10.58	0.00
United States	122.65	221.20	386.54	327.68	98.81	1.34	1.00	0.00
Other	2.77	44.82	4.64	3.05	3.05	2.26	1.47	1.20
Total <sup>a</sup>	359.94	530.75	657.79	593.64	258.57	166.57	214.35	204.45
<b>Canola oil</b>								
China	4.50	0.00	0.00	5.03	5.30	12.58	0.26	0.29
Japan	0.04	5.18	13.84	9.66	10.00	10.02	18.42	9.34
New Zealand	5.21	10.26	9.67	14.51	13.11	12.29	14.19	15.73
Other	46.43	23.56	4.54	2.11	2.96	12.02	14.33	9.07
Total	56.18	39.00	28.05	31.31	31.38	46.91	47.19	34.42
<b>Cottonseed and sunflowerseed meal</b>								
Korea, Rep. of	28.00	43.65	55.62	25.99	6.32	8.16	4.28	9.93
New Zealand	0.07	0.03	0.28	2.15	1.24	0.25	0.43	0.31
Other	2.00	3.14	3.81	3.77	1.59	1.74	1.72	1.75
Total	30.08	46.83	59.71	31.92	9.15	10.15	6.42	11.99

<sup>a</sup> Excludes sesame seed and other oleaginous fruit.

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

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

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Oilseeds</b>								
Canola	0.17	0.14	0.09	0.09	0.21	0.23	0.11	0.14
Copra	0.01	0.01	0.00	0.01	0.01	0.00	0.12	0.11
Linseed	0.40	0.14	1.23	1.04	0.56	1.45	1.22	0.00
Peanuts	5.68	3.70	7.41	5.77	28.38	16.42	7.43	4.95
Soybeans	23.32	18.13	0.09	0.31	43.82	39.60	0.62	0.72
Sunflowerseed	0.63	0.76	0.77	0.80	0.73	1.07	1.85	1.84
Other <b>a</b>	5.87	5.89	5.91	6.80	6.51	7.84	7.06	7.03
Total	36.08	28.78	15.50	14.81	80.22	66.62	18.41	14.78
(value, \$m)	28.84	22.54	23.44	20.80	61.45	50.05	26.69	20.94
<b>Oils</b>								
Canola	2.17	3.71	3.52	3.28	10.48	1.27	1.22	2.10
Cottonseed	0.18	0.23	0.42	0.64	0.71	6.91	3.16	2.14
Linseed	2.35	2.68	2.67	2.43	1.90	3.09	3.93	2.08
Maize	1.41	1.65	1.79	2.04	1.90	2.92	3.41	3.29
Peanut	0.36	0.53	1.11	0.35	1.46	2.87	0.94	1.21
Safflowerseed and sunflowerseed	9.53	8.69	12.58	16.64	24.86	31.19	29.71	24.81
Soybean	13.82	8.01	7.88	10.90	10.67	12.58	15.46	12.59
Castor	1.76	1.97	1.15	1.41	1.47	1.11	1.00	1.01
Coconut	16.39	13.40	14.36	12.18	15.23	14.16	11.77	10.56
Olive	22.97	22.53	30.75	24.69	0.02	0.18	0.11	0.43
Palm	7.81	6.60	7.36	8.35	7.97	8.48	10.52	20.59
Palm kernel	6.65	8.47	8.23	11.95	10.33	13.13	12.49	15.12
Palm olein	72.91	79.56	77.24	74.63	82.50	78.66	76.18	83.48
Palm stearin	19.59	25.84	23.40	29.54	22.08	25.94	21.34	20.78
Tung	16.23	33.64	15.20	0.19	0.31	0.25	0.32	0.27
Other <b>b</b>	32.30	33.21	40.63	31.18	217.10	73.35	34.86	32.63
Total oils	226.42	250.70	248.28	230.38	409.00	276.08	226.39	233.07
(value, \$m)	305.51	281.91	282.44	280.32	214.95	224.22	225.62	227.73
<b>Oilseed meals</b>								
Soybeans	176.90	211.86	204.71	258.76	373.66	312.15	377.16	329.64
Other <b>c</b>	32.30	33.21	40.63	31.18	217.10	73.35	34.86	32.63
Total	209.20	245.07	245.34	289.95	590.77	385.49	412.01	362.27
(value, \$m)	59.12	67.76	83.21	105.80	153.82	125.01	113.55	104.76

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

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

188 Summary of world statistics for oilseeds <sup>a</sup>

	Area million ha	Production Mt	Use <sup>b</sup> Mt	Closing stocks		Stocks to use ratio %	Exports Mt	Use per person kg	Price <sup>d</sup> US\$/t
				World Mt	Exporters <sup>c</sup> Mt				
1970-71	70.2	83.3	78.6	na	3.2	na	18.2	27.2	na
1971-72	73.9	109.4	82.6	4.3	3.2	5.2	18.3	28.4	na
1972-73	102.7	125.0	107.6	4.3	2.9	4.0	20.4	28.5	267.0
1973-74	107.9	118.2	120.4	7.5	5.7	6.2	22.0	30.7	260.0
1974-75	107.1	128.3	117.4	8.7	6.8	7.4	19.7	29.3	249.0
1975-76	106.9	118.7	125.6	11.3	8.7	9.0	23.8	30.8	215.0
1976-77	104.8	138.1	124.9	5.1	3.7	4.1	23.6	30.1	288.0
1977-78	115.4	145.3	136.5	8.4	6.1	6.1	26.9	32.3	259.0
1978-79	120.4	164.6	145.5	9.4	6.9	6.5	30.1	33.8	295.0
1979-80	127.8	150.7	156.4	16.7	13.6	10.7	35.2	35.8	278.0
1980-81	125.4	165.1	155.5	13.6	10.9	8.7	30.7	35.0	310.0
1981-82	128.8	172.4	167.0	12.2	9.2	7.3	35.5	36.9	253.0
1982-83	130.2	181.0	171.3	14.5	11.2	8.4	34.6	37.2	260.0
1983-84	130.3	168.6	165.4	9.1	5.6	5.5	32.5	35.3	301.1
1984-85	138.1	187.0	181.7	14.5	10.6	8.0	32.0	38.1	223.0
1985-86	137.0	196.0	187.1	20.1	16.8	10.8	33.8	38.6	210.8
1986-87	133.7	194.0	193.8	23.4	19.7	12.1	36.8	39.4	208.7
1987-88	140.9	211.0	204.6	24.6	19.9	12.0	39.2	40.9	282.3
1988-89	150.6	201.6	202.4	23.9	19.5	11.8	31.8	39.7	292.3
1989-90	151.3	212.2	209.0	25.2	20.7	12.1	36.3	40.3	246.9
1990-91	150.6	213.6	214.0	24.8	20.7	11.6	32.6	40.5	241.4
1991-92	157.0	222.6	224.6	23.2	19.2	10.3	37.4	41.8	237.4
1992-93	156.4	226.4	226.9	25.2	21.4	11.1	38.3	41.6	246.2
1993-94	159.9	227.3	231.1	22.2	18.2	9.6	38.4	41.7	258.8
1994-95	168.1	261.1	257.1	28.7	24.5	11.2	44.2	45.7	247.6
1995-96	174.3	258.0	263.1	23.9	18.8	9.1	41.6	46.0	304.4
1996-97	170.2	261.6	263.8	20.8	14.5	7.9	46.1	45.4	304.2
1997-98	177.5	287.0	275.3	31.0	23.4	11.3	49.5	46.7	257.4
1998-99	185.0	294.9	292.5	34.6	27.4	11.8	51.5	49.6	209.3
1999-00	188.8	304.6	301.1	38.4	29.0	12.8	59.8	50.4	209.8
2000-01	188.9	314.2	312.0	39.4	28.5	12.6	67.0	51.0	200.9
2001-02	188.8	325.1	324.4	41.2	32.6	12.7	62.9	52.3	201.0
2002-03	185.8	330.3	325.3	47.5	38.2	14.6	70.1	51.7	244.8
2003-04	196.2	335.2	336.4	43.9	36.0	13.1	67.1	52.6	320.6
2004-05	202.9	381.3	367.4	56.2	43.6	15.3	74.7	56.6	274.5
2005-06	200.1	389.6	382.0	61.5	48.8	16.1	76.9	58.9	260.8

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

189 World oilseeds production, by country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
Africa								
South Africa	1 522	912	1 143	1 309	870	1 041	1 020	1 074
Americas								
Argentina	27 886	28 025	31 704	34 461	39 616	36 840	43 425	44 940
Brazil	32 303	36 079	41 341	45 012	53 712	53 576	55 683	57 076
Canada	10 490	11 696	10 027	6 756	6 671	9 184	10 830	12 910
Paraguay	3 153	3 114	3 702	3 666	4 643	4 144	4 265	4 232
United States	84 365	82 315	84 891	89 832	83 935	76 599	95 938	95 532
Asia								
China	44 903	45 726	51 132	52 194	52 676	50 847	57 974	55 937
India	25 735	23 022	21 563	24 787	20 187	29 682	29 392	30 664
Indonesia	5 236	5 766	5 873	5 926	6 131	6 623	7 238	7 580
Malaysia	2 813	3 096	3 427	3 342	3 610	3 595	4 073	4 092
Pakistan	3 668	4 396	4 110	3 994	3 759	3 755	5 530	5 007
Philippines	1 390	2 392	2 844	2 193	2 244	2 346	2 496	2 646
Turkey	2 060	2 195	1 863	1 904	2 361	2 062	2 105	1 980
Turkmenistan	415	420	329	339	275	370	360	380
Uzbekistan	2 000	2 250	1 920	2 150	2 000	1 800	2 250	2 400
Europe								
European Union <sup>b</sup>	15 177	20 508	17 217	17 406	16 905	16 439	21 061	20 779
Romania	1 199	1 591	863	912	1 095	1 610	1 826	1 725
Russian Federation	3 422	4 619	4 405	3 160	4 223	5 435	5 631	7 442
Ukraine	2 369	2 987	3 653	2 460	3 456	4 535	3 562	5 595
Oceania								
Australia	3 113	3 867	3 098	2 982	1 523	2 400	2 641	2 521
Other countries	21 681	19 624	19 075	20 315	20 408	22 276	23 975	25 130
Total	294 900	304 600	314 180	325 100	330 300	335 159	381 275	389 642

<sup>a</sup> Oilseeds comprise soybeans, cottonseed, peanuts, sunflowerseed, canola, palm kernels and copra. <sup>b</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00.

Sources: ABARE, *Australian Crop Report*, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat no. 7121.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.



## 190 World oilseeds production, by type

	Castor- seed kt	Copra kt	Cotton- seed kt	Linseed kt	Palm kernels kt	Peanuts kt	Rape- seed <sup>a</sup> kt	Sesame seed kt	Soybeans kt	Sunflower- seed kt
1960-61	595	3 390	18 064	3 245	927	9 049	3 702	1 183	23 551	6 056
1961-62	570	3 079	17 767	3 265	795	9 537	3 556	1 413	26 945	7 085
1962-63	590	3 156	18 772	3 625	807	9 749	3 734	1 516	27 016	6 795
1963-64	675	3 423	20 163	3 525	823	10 611	2 924	1 546	28 121	6 466
1964-65	811	3 375	21 411	3 700	862	11 625	4 503	1 741	29 238	8 580
1965-66	784	3 528	22 085	3 675	847	10 956	5 042	1 572	31 700	8 110
1966-67	853	3 285	20 635	3 273	703	11 087	4 664	1 544	36 468	9 410
1967-68	909	3 335	20 163	2 738	762	11 849	5 724	1 727	37 773	9 791
1968-69	888	3 228	22 588	3 155	808	11 001	5 379	1 572	41 698	9 685
1969-70	866	3 203	20 148	3 995	885	10 705	5 264	1 624	42 478	10 155
1970-71	814	3 693	19 675	4 420	939	11 346	7 078	1 984	44 269	9 790
1971-72	854	4 291	21 631	3 024	906	11 777	7 661	1 827	47 184	10 019
1972-73	807	3 732	22 400	2 579	859	14 421	7 257	1 776	49 189	9 685
1973-74	997	3 204	22 862	2 763	993	16 251	7 098	1 873	62 377	12 175
1974-75	1 101	4 385	22 985	2 625	1 049	16 651	7 805	1 770	54 605	10 725
1975-76	800	5 020	19 888	2 873	1 078	18 468	8 385	1 671	65 543	9 959
1976-77	694	4 571	20 064	2 580	1 122	16 378	7 116	1 657	59 361	10 130
1977-78	773	4 745	22 685	3 392	1 157	16 735	7 820	1 779	72 114	12 822
1978-79	907	4 132	21 458	2 740	1 285	17 711	10 624	1 854	77 368	12 711
1979-80	875	4 287	23 248	3 089	1 415	17 183	9 933	1 852	93 339	15 162
1980-81	782	4 757	23 455	2 526	1 436	16 040	11 035	1 713	80 873	13 090
1981-82	914	4 508	26 348	2 459	1 708	19 581	12 253	2 069	86 050	14 664
1982-83	924	4 392	25 755	3 001	1 767	17 205	14 703	1 769	93 441	16 530
1983-84	970	3 693	24 211	2 640	1 975	18 510	14 259	1 951	83 092	15 328
1984-85	1 070	4 592	32 816	2 790	2 188	19 449	16 895	1 970	93 040	17 776
1985-86	1 180	5 231	29 415	3 010	2 467	19 784	18 536	1 960	96 958	19 331
1986-87	1 050	4 625	26 281	3 290	2 453	20 159	19 283	2 270	97 961	19 043
1987-88	830	4 299	30 206	2 790	2 609	20 656	23 192	2 230	103 310	20 674
1988-89	1 010	4 265	31 382	2 300	2 858	22 657	22 513	2 210	95 802	20 003
1989-90	1 110	5 022	29 785	2 450	3 256	21 670	21 891	2 140	107 148	21 584
1990-91	1 350	4 684	32 266	2 880	3 255	21 799	25 056	2 070	104 246	22 635
1991-92	1 170	4 665	35 492	2 460	3 343	21 974	28 223	2 350	107 298	21 684
1992-93	1 140	4 838	30 797	1 966	3 910	23 093	25 285	2 190	117 379	21 174
1993-94	1 100	4 890	28 929	2 181	4 137	24 318	26 664	2 300	117 772	20 621
1994-95	1 210	5 533	32 307	2 464	4 522	27 468	30 240	2 321	137 716	23 331
1995-96	1 210	5 136	35 136	2 539	4 868	27 665	34 364	2 540	125 053	25 737
1996-97	1 116	6 053	33 673	3 369	5 211	29 059	31 489	2 821	132 304	23 848
1997-98	1 181	5 412	34 320	2 371	5 045	27 561	33 161	2 652	158 240	23 291
1998-99	1 168	4 391	32 510	2 828	5 624	29 951	35 812	2 617	160 055	26 592
1999-00	1 261	5 434	32 987	2 868	6 418	29 417	42 483	2 704	160 629	27 223
2000-01	1 353	5 767	33 430	2 359	7 038	31 426	37 413	2 870	175 998	23 159
2001-02	1 043	5 213	36 422	2 159	7 190	33 809	36 033	3 236	185 094	21 383
2002-03	1 043	5 117	32 671	2 090	7 764	30 832	32 908	3 025	197 034	23 932
2003-04	1 107	5 383	35 598	2 261	8 434	32 778	39 434	3 239	186 770	26 762
2004-05	1 329	5 592	45 404	2 048	9 506	33 391	46 143	3 287	215 954	25 297
2005-06	1 384	5 785	42 513	2 804	9 878	33 782	48 549	3 300	218 037	29 766

<sup>a</sup> Predominantly canola since the late 1980s.

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

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

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Canola	7.04	8.20	7.02	4.98	4.04	5.25	5.06	6.93
China	2.20	3.68	2.36	0.78	0.05	0.42	0.32	0.70
European Union <sup>b</sup>	0.96	0.09	0.54	0.20	0.06	0.17	0.11	0.45
Japan	2.17	2.23	2.18	2.08	2.11	2.28	2.23	2.35
Copra	0.22	0.23	0.13	0.09	0.07	0.07	0.13	0.09
European Union <sup>b</sup>	0.10	0.10	0.06	0.04	0.02	0.04	0.04	0.05
linseed	0.92	0.71	0.76	0.79	0.78	0.83	0.68	0.75
European Union <sup>c</sup>	0.58	0.42	0.59	0.62	0.60	0.62	0.49	0.55
Japan	0.08	0.06	0.05	0.05	0.02	0.02	0.02	0.03
Soybeans	39.34	46.19	53.16	54.52	62.01	54.16	63.60	64.24
China	3.85	10.10	13.25	10.39	21.42	16.93	25.80	28.20
European Union <sup>b</sup>	14.86	14.13	17.53	18.54	16.87	14.64	14.64	13.90
Japan	4.81	4.91	4.77	5.02	5.09	4.69	4.30	3.95
Mexico	3.77	4.04	4.38	4.51	4.23	3.80	3.64	3.73
Sunflowerseed	3.74	3.67	2.30	1.22	1.71	2.61	1.46	1.66
European Union <sup>b</sup>	2.76	2.02	1.72	0.87	1.00	1.47	0.69	0.98
Israel	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Mexico	0.04	0.01	0.03	0.01	0.10	0.04	0.01	0.01
Turkey	0.60	0.44	0.32	0.17	0.23	0.66	0.53	0.41
Other oilseeds <sup>d</sup>	1.39	1.22	2.27	2.31	2.82	1.71	2.08	1.92
Total	52.65	60.21	65.64	63.91	71.43	64.63	73.01	75.59
<b>Exports</b>								
Canola	6.84	8.21	7.21	4.93	4.13	5.52	5.09	7.08
Australia	1.32	1.89	1.48	1.30	0.61	1.05	1.02	0.88
Canada	3.88	3.90	4.84	2.67	2.42	3.76	3.49	5.43
Copra	0.22	0.22	0.12	0.12	0.11	0.08	0.14	0.11
Papua New Guinea	0.06	0.09	0.02	0.03	0.02	0.01	0.02	0.02
Philippines	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00
linseed	0.93	0.72	0.79	0.76	0.79	0.82	0.67	0.75
Canada	0.89	0.67	0.72	0.69	0.64	0.71	0.53	0.62
Soybeans	38.27	45.63	53.87	53.44	61.18	55.80	64.54	65.20
Argentina	3.40	4.13	7.41	6.00	8.71	6.93	9.31	7.30
Brazil	8.93	11.10	15.47	15.00	19.73	19.82	20.14	25.90
United States	21.90	26.54	27.10	28.95	28.42	24.13	29.86	25.80
Sunflowerseed	3.76	2.72	2.60	1.31	1.84	2.72	1.55	2.08
Argentina	0.91	0.28	0.08	0.36	0.21	0.05	0.11	0.11
Ukraine	0.88	0.45	1.02	0.10	0.33	0.93	0.01	0.23
United States	0.26	0.21	0.20	0.24	0.17	0.17	0.14	0.17
Other oilseeds <sup>d</sup>	1.47	2.33	2.41	2.34	2.05	2.11	2.71	1.68
Total	51.48	59.83	67.00	62.90	70.10	67.05	74.70	76.90

<sup>a</sup> Imports may not equal exports in any given period as a result of lags in shipping time. <sup>b</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00; excludes intra-EU trade. <sup>c</sup> Regarded as fifteen countries for all years, excludes intra-EU trade. <sup>d</sup> Cottonseed, palm kernels and peanuts.  
Sources: ISTA Mielke GmbH, *Oil World Annual*, Hamburg; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

192 Volume of world protein meals trade, by type and country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Copra meal	0.51	0.85	1.16	0.79	0.75	0.67	0.69	0.73
European Union <b>b</b>	0.29	0.49	0.66	0.40	0.28	0.14	0.08	0.08
Korea, Rep. of	0.19	0.31	0.43	0.35	0.37	0.39	0.40	0.42
Fish meal	2.78	3.70	3.48	3.16	2.85	3.12	3.65	3.14
China	0.64	1.19	0.90	0.96	0.80	1.13	1.58	1.05
Chinese Taipei	0.29	0.30	0.29	0.24	0.24	0.24	0.23	0.26
European Union <b>b</b>	0.67	0.88	0.78	0.74	0.74	0.57	0.67	0.60
Peanut meal	0.29	0.23	0.22	0.28	0.10	0.26	0.15	0.21
European Union <b>b</b>	0.18	0.17	0.18	0.14	0.06	0.03	0.03	0.03
Thailand	0.07	0.04	0.02	0.08	0.02	0.03	0.04	0.02
Soybean meal	35.71	35.01	36.00	40.61	42.32	45.07	46.05	50.43
European Union <b>b</b>	16.43	17.81	17.50	19.69	20.36	21.90	21.72	22.57
Indonesia	0.83	1.14	1.62	1.25	1.64	1.67	1.85	1.87
Korea, Rep. of	1.10	1.09	1.41	1.50	1.53	1.31	1.46	1.58
Philippines	0.90	0.99	1.16	1.51	1.45	1.17	1.54	1.58
Other meals <b>c</b>	7.64	7.75	7.47	6.80	7.38	8.83	8.71	9.37
Total	46.93	47.54	48.33	51.64	53.40	57.95	59.25	63.88
<b>Exports</b>								
Fish meal	3.09	3.67	3.48	3.18	2.89	3.13	3.67	3.15
European Union <b>b</b>	0.29	0.21	0.20	0.21	0.20	0.20	0.23	0.21
South America	2.14	2.83	2.63	2.18	2.02	2.24	2.76	2.29
Peanut meal	0.33	0.26	0.27	0.32	0.10	0.35	0.18	0.22
India	0.05	0.01	0.02	0.11	0.00	0.25	0.09	0.13
Senegal	0.09	0.13	0.13	0.09	0.04	0.02	0.02	0.02
Sudan	0.07	0.07	0.02	0.02	0.00	0.01	0.01	0.01
Soybean meal	35.38	35.27	36.55	41.24	42.43	45.14	46.51	51.19
Argentina	13.41	14.44	14.04	15.94	18.25	18.85	20.50	24.70
Brazil	9.81	9.95	10.67	11.86	13.61	14.76	14.24	12.90
European Union <b>b</b>	1.28	0.21	0.27	0.33	0.34	0.40	0.53	0.72
United States	6.98	6.91	7.34	7.27	5.73	4.69	6.66	7.12
Other meals <b>d</b>	8.51	8.95	8.85	7.74	8.13	9.70	9.73	10.60
Total	47.31	48.15	49.15	52.48	53.55	58.32	60.09	65.16

<sup>a</sup> Imports may not equal exports in any given period, as a result of lags in shipping time. <sup>b</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00; includes intra-EU trade. <sup>c</sup> Canola, cottonseed, palm kernel and sunflowerseed. <sup>d</sup> Canola, copra, cottonseed, palm kernel and sunflowerseed.

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

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

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Canola oil	1.62	1.74	1.23	1.11	0.91	1.35	1.17	1.51
European Union <sup>b</sup>	0.01	0.00	0.00	0.00	0.01	0.03	0.04	0.34
India	0.24	0.16	0.05	0.01	0.05	0.00	0.00	0.00
Coconut oil	1.23	1.53	1.73	1.88	1.76	1.76	1.86	2.01
European Union <sup>b</sup>	0.52	0.76	0.77	0.81	0.68	0.76	0.76	0.77
United States	0.36	0.42	0.51	0.50	0.39	0.36	0.42	0.50
Palm oil	11.95	13.06	16.35	17.12	19.73	21.75	24.38	25.92
European Union <sup>b</sup>	2.26	2.07	2.85	2.98	3.01	3.37	4.02	4.50
India	2.90	3.30	4.00	3.40	3.95	3.49	3.73	3.00
Pakistan	0.98	1.04	1.30	1.25	1.37	1.30	1.55	1.75
Singapore	0.29	0.43	0.29	0.27	0.31	0.28	0.30	0.32
Soybean oil	7.25	6.08	7.00	7.82	8.36	8.25	8.96	9.26
China	1.04	0.68	0.36	0.55	1.71	2.75	1.74	1.57
European Union <sup>b</sup>	0.03	0.08	0.04	0.06	0.04	0.07	0.16	0.73
India	0.83	0.79	1.40	1.56	1.26	0.76	2.02	1.95
Russian Federation	0.20	0.23	0.46	0.59	0.18	0.10	0.09	0.07
Sunflowerseed oil	2.92	2.51	2.03	1.83	2.01	1.92	2.16	2.72
European Union <sup>b</sup>	0.21	0.17	0.27	0.69	0.71	0.53	0.89	1.05
Other vegetable oils <sup>c</sup>	1.88	1.74	1.97	2.06	2.25	2.45	2.38	2.49
Total	26.85	26.66	30.31	31.82	35.02	37.48	40.91	43.91
<b>Exports</b>								
Canola oil	1.78	1.74	1.16	1.01	0.91	1.15	1.14	1.68
Canada	0.76	0.78	0.74	0.54	0.54	0.82	0.84	1.09
European Union <sup>b</sup>	0.77	0.71	0.21	0.28	0.25	0.14	0.13	0.08
Coconut oil	1.11	1.97	1.84	1.79	1.72	1.69	1.95	2.04
Philippines	0.60	1.15	1.20	1.07	1.06	1.06	1.00	1.20
Cottonseed oil	0.16	0.17	0.19	0.18	0.14	0.14	0.12	0.10
United States	0.05	0.06	0.06	0.07	0.05	0.05	0.03	0.03
Palm oil	12.36	14.03	16.66	17.82	19.72	21.61	24.60	26.81
Indonesia	3.06	3.87	4.78	5.98	6.42	7.86	9.62	11.00
Malaysia	8.10	8.85	10.48	10.50	11.65	11.60	12.63	12.90
Soybean oil	7.58	6.32	7.17	8.15	8.76	8.63	7.23	9.33
Argentina	3.19	2.94	3.22	3.44	3.64	4.09	4.75	5.63
Brazil	1.44	1.14	1.53	1.78	2.39	2.72	2.41	2.06
European Union <sup>b</sup>	1.05	0.95	0.89	0.90	0.71	0.54	0.51	0.25
United States	1.08	0.62	0.64	1.14	1.03	0.43	0.60	0.52
Sunflowerseed oil	3.09	3.01	2.24	1.95	2.26	2.63	2.53	3.24
Argentina	1.84	1.63	1.00	1.16	0.90	1.01	1.18	1.15
European Union <sup>b</sup>	0.24	0.21	0.15	0.09	0.13	0.15	0.12	0.12
Other vegetable oils <sup>c</sup>	1.70	1.73	1.96	2.14	1.02	2.50	4.74	2.33
Total	27.78	28.97	31.22	33.04	34.53	38.35	42.31	45.53

<sup>a</sup> Imports may not equal exports in any given period, as a result of lags in shipping time. <sup>b</sup> Regarded as fifteen countries to 1998-99 then twenty five countries from 1999-00; excludes intra-EU trade. <sup>c</sup> Olive, palm kernel and peanut.

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

# 194 Selected oilseed, oilseed meal and vegetable oil import price quotations, by country <sup>a</sup>

	Canola <sup>b</sup>	Palm oil <sup>c</sup>	Soybeans <sup>d</sup>	Soybean meal <sup>e</sup>	Soybean oil <sup>f</sup>
	US\$/t	US\$/t	US\$/t	US\$/t	US\$/t
1974-75	na	na	249.0	163.0	616.0
1975-76	na	na	215.0	169.0	418.0
1976-77	na	na	288.0	237.0	570.0
1977-78	na	na	259.0	205.0	581.0
1978-79	na	na	295.0	238.0	655.0
1979-80	na	na	278.0	242.0	609.0
1980-81	308.0	na	310.0	273.0	545.0
1981-82	292.0	na	253.0	225.0	463.0
1982-83	303.0	406.0	260.0	224.0	463.0
1983-84	351.0	767.0	301.1	221.0	722.0
1984-85	303.0	569.0	223.0	155.0	625.0
1985-86	239.0	274.0	210.8	183.0	377.0
1986-87	180.0	310.0	208.7	191.0	324.0
1987-88	222.0	402.0	282.3	254.0	443.0
1988-89	218.5	357.7	292.3	262.8	435.0
1989-90	213.3	270.8	246.9	204.3	437.5
1990-91	199.3	317.6	241.4	198.3	454.4
1991-92	203.8	365.2	237.4	202.8	437.3
1992-93	234.1	382.3	246.2	207.3	453.3
1993-94	284.3	445.6	258.8	201.5	580.2
1994-95	288.9	659.7	247.6	183.6	641.8
1995-96	297.6	523.3	304.4	256.3	574.9
1996-97	284.4	525.1	304.2	277.7	535.6
1997-98	296.1	604.7	257.4	196.8	633.4
1998-99	227.3	484.0	209.3	149.7	482.9
1999-00	190.1	315.3	209.8	179.7	355.0
2000-01	202.0	243.8	200.9	187.9	336.0
2001-02	220.4	340.6	201.0	174.3	412.0
2002-03	284.0	420.0	244.8	191.0	537.0
2003-04	317.0	481.0	320.6	256.0	633.0
2004-05	262.0	392.0	274.5	212.0	545.0
2005-06	292.0	416.0	260.8	203.0	573.0

<sup>a</sup> October–September average. <sup>b</sup> Cif Rotterdam; Europe '00' oil. <sup>c</sup> Malaysia fob; RBD. <sup>d</sup> Cif Rotterdam. <sup>e</sup> Cif Rotterdam; Arg. 45/46%. <sup>f</sup> Dutch fob; ex mill. **na** Not available.

Sources: UISTA mielke GmbH, *Oil World Annual*, Hamburg.

# 195 Summary of Australian statistics for pulses

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Lupins</b>									
Area	'000 ha	1 407.0	1 347.0	1 180.0	1 139.0	1 024.5	851.0	845.0	753.5
Yield	t/ha	1.2	1.5	0.9	1.1	0.7	1.4	1.1	1.4
Production	kt	1 696.0	1 968.0	1 055.0	1 215.0	725.5	1 180.0	937.0	1 078.9
Exports <b>a</b>	kt	969.5	1 439.3	714.4	414.2	207.5	645.6	418.5	434.7
Value of exports	\$m	154.9	234.9	165.9	108.9	57.3	147.7	88.8	101.3
Average unit value	\$/t	142.7	145.4	205.3	250.0	291.5	235.7	205.9	207.7
Gross value of production	\$m	242.0	286.1	216.6	303.8	211.5	278.1	192.9	224.1
<b>Field peas</b>									
Area	'000 ha	370.0	423.0	397.0	337.0	380.0	354.0	413.0	280.0
Yield	t/ha	1.0	1.2	1.1	1.5	0.5	1.4	0.7	1.7
Production	kt	370.2	496.1	456.0	512.0	178.0	487.0	289.0	478.0
Exports <b>ab</b>	kt	207.2	307.3	387.0	459.1	107.6	209.3	116.1	156.1
Value of exports <b>b</b>	\$m	62.6	89.8	111.7	156.9	43.0	55.6	33.4	43.2
Average unit value	\$/t	246.4	214.0	218.6	287.8	343.8	231.6	234.6	202.3
Gross value of production	\$m	91.2	106.1	99.7	147.3	61.2	112.8	67.8	96.7
<b>Chickpeas</b>									
Area	'000 ha	308.5	218.0	261.5	195.0	201.0	151.5	113.3	105.3
Yield	t/ha	0.6	1.1	0.6	1.3	0.7	1.2	1.0	1.2
Production	kt	187.6	229.9	162.4	258.0	136.0	178.0	115.6	122.8
Exports <b>a</b>	kt	109.4	217.5	217.8	278.0	88.5	163.8	151.2	214.4
Value of exports	\$m	50.1	100.8	112.6	166.9	52.4	70.6	65.3	107.1
Average unit value	\$/t	382.8	339.5	463.1	504.5	477.8	326.7	310.3	460.6
Gross value of production	\$m	71.8	78.1	75.2	130.2	65.0	58.2	35.9	56.6
<b>Total legumes <b>c</b></b>									
Area	'000 ha	2 454.0	2 319.8	2 286.8	2 086.0	2 034.3	1 700.1	1 764.0	1 509.3
Yield	t/ha	1.1	1.3	1.0	1.3	0.6	1.4	1.0	1.5
Production	kt	2 587.3	3 118.0	2 241.3	2 674.0	1 295.7	2 396.1	1 683.3	2 306.3
Exports <b>ad</b>	kt	1 474.7	2 334.1	1 760.8	1 720.2	740.0	1 396.1	910.2	1 205.6
Value of exports <b>ad</b>	\$m	342.8	601.3	636.1	728.0	290.7	440.2	308.3	436.1
Average unit value	\$/t	197.9	197.5	260.0	301.2	304.9	239.1	234.2	234.4
Gross value of production	\$m	512.0	615.9	582.8	805.5	395.0	572.8	394.2	540.5

**a** Exports are on a financial year basis. **b** Includes only field peas and cow peas. **c** Lupins, field peas, chickpeas, faba beans, mung beans, navy beans, vetch and lentils. **d** Also includes cow peas, pigeon peas and some other minor legumes on a financial year basis.  
 Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Summary of Crops, Australia*, cat. no. 7330.0, Canberra; ABS, *Value of Agricultural Commodities Produced, Australia*, cat. no. 7503.0, Canberra; Pulse Australia, Sydney; ABARE, *Australian Crop Report*, Canberra.

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Australia a
<b>Lupins</b>							
<b>Area</b>							
1999-00	'000 ha	135.0	35.0	0.0	1 104.0	73.0	1 347.0
2000-01	'000 ha	92.0	34.0	0.0	987.0	67.0	1 180.0
2001-02	'000 ha	106.0	33.0	0.0	920.0	80.0	1 139.0
2002-03	'000 ha	100.0	40.0	0.0	795.0	89.0	1 024.5
2003-04	'000 ha	69.0	28.0	0.0	667.0	86.0	851.0
2004-05	'000 ha	63.0	35.0	0.3	677.0	69.0	845.0
2005-06	'000 ha	26.0	20.2	0.0	650.3	57.0	753.5
<b>Yield</b>							
1999-00	t/ha	1.78	1.29	0.00	1.45	1.10	1.46
2000-01	t/ha	1.38	1.38	0.00	0.79	1.46	0.89
2001-02	t/ha	1.16	1.24	0.00	0.98	1.84	1.07
2002-03	t/ha	0.37	0.28	0.00	0.74	1.01	0.71
2003-04	t/ha	0.81	1.14	0.00	1.45	1.42	1.39
2004-05	t/ha	0.87	0.57	1.67	1.17	0.99	1.11
2005-06	t/ha	1.85	1.26	0.00	1.42	1.40	1.43
<b>Production</b>							
1999-00	kt	240.0	45.0	0.0	1 603.0	80.0	1 968.0
2000-01	kt	127.0	47.0	0.0	783.0	98.0	1 055.0
2001-02	kt	123.0	41.0	0.0	904.0	147.0	1 215.0
2002-03	kt	37.0	11.0	0.0	587.0	90.0	725.5
2003-04	kt	56.0	32.0	0.0	969.0	122.0	1 180.0
2004-05	kt	55.0	20.0	0.5	792.0	68.0	937.0
2005-06	kt	48.0	25.4	0.0	925.5	80.0	1 078.9
<b>Field peas</b>							
<b>Area</b>							
1999-00	'000 ha	25.0	174.0	0.0	62.0	161.0	423.0
2000-01	'000 ha	24.0	146.0	1.0	90.0	135.0	397.0
2001-02	'000 ha	15.0	125.0	0.0	70.0	126.0	337.0
2002-03	'000 ha	19.0	132.0	0.0	71.2	157.0	380.0
2003-04	'000 ha	22.0	110.0	0.0	65.0	157.0	354.0
2004-05	'000 ha	28.0	142.0	0.0	99.0	143.0	413.0
2005-06	'000 ha	40.0	55.0	0.0	65.0	120.0	280.0
<b>Yield</b>							
1999-00	t/ha	1.20	1.23	0.00	1.13	1.12	1.17
2000-01	t/ha	1.04	1.16	0.00	0.49	1.60	1.15
2001-02	t/ha	1.13	1.22	0.00	1.17	2.06	1.52
2002-03	t/ha	0.32	0.16	0.00	0.34	0.80	0.47
2003-04	t/ha	0.86	1.07	0.00	1.58	1.57	1.38
2004-05	t/ha	0.54	0.35	0.00	0.73	1.05	0.70
2005-06	t/ha	2.00	1.73	0.00	1.35	1.79	1.71
<b>Production</b>							
1999-00	kt	30.0	214.0	0.0	70.0	181.0	496.1
2000-01	kt	25.0	170.0	0.0	44.0	216.0	456.0
2001-02	kt	17.0	153.0	0.0	82.0	259.0	512.0
2002-03	kt	6.0	21.0	0.0	24.0	126.0	178.0
2003-04	kt	19.0	118.0	0.0	103.0	246.0	487.0
2004-05	kt	15.0	50.0	0.0	72.0	150.0	289.0
2005-06	kt	80.0	95.0	0.0	88.0	215.0	478.0

Continued

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Australia a
<b>Chickpeas</b>							
<b>Area</b>							
1999-00	'000 ha	66.3	27.8	46.2	71.5	6.2	218.0
2000-01	'000 ha	124.5	8.0	71.0	57.0	1.1	261.5
2001-02	'000 ha	116.0	16.0	46.0	16.0	1.0	195.0
2002-03	'000 ha	71.0	9.0	111.0	6.0	3.5	201.0
2003-04	'000 ha	61.0	5.5	76.0	6.0	3.0	151.5
2004-05	'000 ha	63.0	4.0	41.0	4.0	1.3	113.3
2005-06	'000 ha	46.0	16.0	36.0	6.0	1.3	105.3
<b>Yield</b>							
1999-00	t/ha	1.29	0.82	0.99	0.99	0.79	1.05
2000-01	t/ha	0.65	0.95	0.79	0.31	0.74	0.62
2001-02	t/ha	1.39	1.47	1.33	0.69	1.00	1.32
2002-03	t/ha	0.71	0.03	0.73	0.25	0.77	0.68
2003-04	t/ha	1.20	1.09	1.20	0.83	1.00	1.17
2004-05	t/ha	1.37	1.00	0.51	0.88	0.88	1.02
2005-06	t/ha	1.33	1.50	0.86	0.83	1.44	1.17
<b>Production</b>							
1999-00	kt	85.6	22.8	45.9	70.7	4.9	229.9
2000-01	kt	80.3	7.6	56.0	17.8	0.8	162.4
2001-02	kt	161.5	23.5	61.0	11.0	1.0	258.0
2002-03	kt	50.5	0.3	81.0	1.5	2.7	136.0
2003-04	kt	73.0	6.0	91.0	5.0	3.0	178.0
2004-05	kt	86.0	4.0	21.0	3.5	1.1	115.6
2005-06	kt	61.0	24.0	31.0	5.0	1.8	122.8
<b>Faba beans</b>							
<b>Area</b>							
1999-00	'000 ha	16.8	55.1	0.0	16.2	58.7	146.8
2000-01	'000 ha	44.1	67.0	2.3	13.4	79.5	206.3
2001-02	'000 ha	37.0	55.0	0.0	13.0	75.0	180.0
2002-03	'000 ha	17.0	50.0	0.0	7.0	83.0	157.0
2003-04	'000 ha	15.0	50.0	0.0	7.0	83.0	155.0
2004-05	'000 ha	40.0	60.0	0.0	7.5	87.0	194.5
2005-06	'000 ha	33.0	55.0	0.0	6.0	89.0	183.0
<b>Yield</b>							
1999-00	t/ha	1.98	1.39	0.00	1.19	1.65	1.54
2000-01	t/ha	1.38	1.55	0.88	0.52	1.90	1.57
2001-02	t/ha	1.89	1.73	0.00	0.77	2.33	1.94
2002-03	t/ha	1.06	0.10	0.00	0.29	1.00	0.69
2003-04	t/ha	1.13	1.80	0.00	1.43	1.93	1.79
2004-05	t/ha	1.75	0.33	0.00	1.00	0.80	0.86
2005-06	t/ha	2.12	1.38	0.00	1.33	1.97	1.80
<b>Production</b>							
1999-00	kt	33.2	76.8	0.0	19.3	97.1	226.4
2000-01	kt	60.7	104.2	2.0	7.0	151.0	324.9
2001-02	kt	70.0	95.0	0.0	10.0	175.0	350.0
2002-03	kt	18.0	5.0	0.0	2.0	83.0	108.0
2003-04	kt	17.0	90.0	0.0	10.0	160.0	277.0
2004-05	kt	70.0	20.0	0.0	7.5	70.0	167.5
2005-06	kt	70.0	76.0	0.0	8.0	175.0	329.0

*Continued*



	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Australia a
<b>Mung beans</b>							
<b>Area</b>							
1999-00	'000 ha	20.0	0.0	28.0	0.0	0.0	48.0
2000-01	'000 ha	33.0	1.0	53.6	0.0	0.0	87.9
2001-02	'000 ha	18.0	0.0	25.0	0.0	0.0	43.0
2002-03	'000 ha	20.0	0.0	24.0	0.0	0.0	44.0
2003-04	'000 ha	18.0	0.0	26.0	0.0	0.0	44.1
2004-05	'000 ha	25.0	0.0	25.0	0.0	0.0	49.8
2005-06	'000 ha	18.0	0.2	25.8	0.0	0.0	44.0
<b>Yield</b>							
1999-00	t/ha	0.90	0.00	0.83	0.00	0.00	0.86
2000-01	t/ha	0.62	0.00	0.57	0.00	0.00	0.59
2001-02	t/ha	1.00	0.00	1.00	0.00	0.00	1.00
2002-03	t/ha	0.59	0.00	0.91	0.00	0.00	0.76
2003-04	t/ha	1.11	0.00	1.05	0.00	0.00	1.07
2004-05	t/ha	0.87	0.00	1.25	0.00	0.00	1.07
2005-06	t/ha	1.09	0.00	1.10	0.00	0.00	1.09
<b>Production</b>							
1999-00	kt	18.1	0.0	23.2	0.0	0.0	41.3
2000-01	kt	20.5	0.0	30.7	0.0	0.0	51.9
2001-02	kt	18.0	0.0	25.0	0.0	0.0	43.0
2002-03	kt	11.7	0.0	21.9	0.0	0.0	33.6
2003-04	kt	20.0	0.0	27.3	0.0	0.0	47.3
2004-05	kt	21.7	0.0	31.2	0.0	0.0	53.2
2005-06	kt	19.6	0.0	28.5	0.0	0.0	48.1
<b>Total pulses b</b>							
<b>Area</b>							
1999-00	'000 ha	266.1	361.9	74.2	1 265.7	350.9	2 319.8
2000-01	'000 ha	319.6	346.0	127.9	1 154.4	337.6	2 286.8
2001-02	'000 ha	296.0	329.0	71.0	1 027.0	362.0	2 086.0
2002-03	'000 ha	231.2	339.0	135.0	886.6	440.6	2 034.3
2003-04	'000 ha	187.5	256.0	102.0	748.5	405.0	1 700.1
2004-05	'000 ha	223.0	303.5	66.3	791.5	378.3	1 764.0
2005-06	'000 ha	167.0	203.9	61.8	732.3	344.3	1 509.3
<b>Yield</b>							
1999-00	t/ha	1.54	1.25	0.93	1.40	1.18	1.34
2000-01	t/ha	0.99	1.27	0.69	0.74	1.60	0.98
2001-02	t/ha	1.33	1.38	1.21	0.98	2.01	1.28
2002-03	t/ha	0.55	0.16	0.76	0.70	0.89	0.64
2003-04	t/ha	1.01	1.33	1.16	1.46	1.61	1.41
2004-05	t/ha	1.13	0.45	0.79	1.11	0.95	0.95
2005-06	t/ha	1.70	1.62	0.96	1.41	1.75	1.53
<b>Production</b>							
1999-00	kt	409.9	450.6	69.1	1 773.0	414.2	3 118.0
2000-01	kt	316.5	437.8	88.7	855.8	540.8	2 241.3
2001-02	kt	393.5	452.5	86.0	1 011.0	727.0	2 674.0
2002-03	kt	126.1	55.4	102.9	619.7	390.1	1 295.7
2003-04	kt	188.6	341.2	118.3	1 094.7	651.2	2 396.1
2004-05	kt	251.7	136.0	52.7	880.0	359.1	1 683.3
2005-06	kt	283.1	329.4	59.5	1 030.5	603.8	2 306.3

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

# 197 World pulses production, by region and country

	1998 kt	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt
<b>Africa</b>								
Burundi	313	262	219	284	280	280	256	255
Egypt	587	379	425	516	492	426	413	434
Ethiopia	787	778	996	1 160	1 088	869	1 044	1 050
Nigeria	2 105	2 158	2 200	2 222	2 224	2 278	2 367	2 367
Uganda	520	561	585	673	700	646	711	711
<b>Americas</b>								
Brazil	2 200	2 841	3 058	2 466	3 082	3 318	2 986	3 087
Canada	3 066	3 454	4 443	3 366	2 292	3 065	4 580	4 753
Mexico	1 459	1 364	1 230	1 495	1 893	1 766	1 515	1 551
United States	1 780	1 864	1 533	1 224	1 700	1 406	1 569	2 118
<b>Asia</b>								
China	4 865	4 704	4 696	5 122	5 915	5 892	5 304	5 909
India	13 057	14 800	13 187	11 290	13 017	11 681	14 871	14 140
Myanmar	1 430	1 545	1 665	2 044	2 344	2 410	2 447	2 447
Pakistan	1 162	1 089	935	770	763	1 073	998	1 224
Thailand	276	301	282	294	274	295	298	300
<b>Europe</b>								
Denmark	388	192	138	113	150	125	96	53
France	3 310	2 715	2 066	1 877	2 035	1 945	2 083	1 763
Poland	289	317	264	211	229	238	270	280
Russian Federation	889	856	1 173	1 796	1 797	1 601	900	1 628
Ukraine	747	631	653	827	810	572	814	695
United Kingdom	702	750	794	957	924	934	922	860
<b>Middle East</b>								
Turkey	1 599	1 360	1 316	1 455	1 640	1 558	1 579	1 558
<b>Oceania</b>								
Australia <b>a</b>	2 330	2 587	3 118	2 241	2 674	1 296	2 396	1 683
<b>Total <b>b</b></b>	56 119	56 947	54 559	54 225	56 826	57 251	60 916	61 258

**a** On a fiscal year basis, for example, 1992-93 = 1993. **b** Includes some unspecified countries.

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

# 198

## Volume of world pulses trade, by region and country

	1998 kt	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt
<b>Imports</b>							
Africa							
Algeria	146.5	162.3	160.5	175.5	167.2	172.8	157.7
Egypt	166.6	327.5	263.9	370.8	413.7	393.0	433.0
South Africa	61.8	59.8	62.0	45.9	69.9	122.9	77.4
Americas							
Brazil	254.6	134.7	120.8	169.8	115.7	137.5	113.5
Colombia	135.8	132.0	174.7	177.6	155.2	119.9	127.2
Cuba	155.1	219.8	119.8	210.3	114.3	213.9	217.4
Mexico	245.2	168.4	133.5	176.8	150.6	129.4	109.4
United States	120.8	201.5	210.8	213.1	255.1	249.9	255.0
Venezuela	100.2	101.1	108.2	114.8	93.2	86.9	83.7
Asia							
China	167.5	126.7	190.2	235.3	195.9	138.7	163.0
Hong Kong, China	17.9	17.6	14.5	11.7	12.8	12.3	11.1
India	628.8	269.3	352.5	2 320.9	2 165.3	1 953.9	1 471.9
Japan	158.2	171.3	170.0	163.4	157.6	158.9	162.2
Malaysia	55.2	66.8	62.0	62.1	64.0	68.9	77.4
Singapore	55.5	37.7	34.6	47.1	66.2	23.9	22.4
Europe							
France	112.8	110.3	161.5	144.6	119.0	113.1	100.1
Germany	184.4	209.9	138.5	107.9	80.7	80.8	135.9
Italy	407.2	417.9	436.5	420.7	429.3	436.9	420.8
Netherlands	594.2	584.7	330.3	228.0	194.3	324.0	262.0
Spain	784.1	776.7	850.2	767.7	431.8	419.3	939.5
United Kingdom	166.6	175.6	160.3	166.2	182.3	184.8	170.5
Middle East							
United Arab Emirates	60.9	50.6	36.9	47.9	140.3	105.9	86.5
<b>Total a</b>	<b>7 100.5</b>	<b>7 114.9</b>	<b>7 340.0</b>	<b>9 519.2</b>	<b>8 749.6</b>	<b>8 857.2</b>	<b>8 760.6</b>

*Continued*

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

	1998	1999	2000	2001	2002	2003	2004
	kt	kt	kt	kt	kt	kt	kt
<b>Exports</b>							
<b>Americas</b>							
Argentina	321.1	281.7	283.4	276.1	253.5	230.0	183.4
Canada	1 688.7	2 096.6	2 695.0	2 865.9	1 413.4	1 772.2	2 330.0
Chile	20.8	12.6	13.4	13.9	12.3	12.2	8.3
Mexico	117.8	165.1	167.4	212.1	155.6	158.6	102.3
United States	713.3	615.1	569.3	581.8	552.1	562.1	559.1
<b>Asia</b>							
China	472.9	811.2	572.1	719.2	860.8	1 041.5	795.8
Myanmar	621.5	560.9	831.3	1 034.8	1 100.8	1 000.0	906.0
Singapore	46.5	26.5	23.3	37.3	54.7	11.5	11.4
Thailand	32.6	45.5	48.6	34.2	41.9	37.2	25.6
<b>Europe</b>							
Denmark	80.5	85.9	46.9	43.6	77.4	33.5	45.1
France	1 122.9	1 238.7	819.5	633.2	986.0	747.2	773.6
Hungary	20.0	22.8	10.7	8.3	11.4	10.9	12.3
Netherlands	104.4	93.6	80.3	50.7	61.1	52.6	52.2
United Kingdom	185.5	227.6	252.5	165.5	303.3	498.0	422.1
<b>Middle East</b>							
Turkey	354.5	233.3	163.3	360.4	244.6	449.5	323.7
<b>Oceania</b>							
Australia <b>b</b>	1 549.0	1 474.7	2 334.1	1 760.8	1 720.2	740.0	1 396.1
New Zealand	23.9	34.7	24.9	23.6	18.9	22.2	19.5
<b>Total a</b>	<b>7 463.5</b>	<b>8 281.8</b>	<b>8 605.6</b>	<b>9 372.8</b>	<b>8 781.3</b>	<b>8 433.0</b>	<b>8 884.8</b>

**a** Includes some unspecified countries. **b** On a fiscal year basis: for example 1992-93 = 1993.

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

# 199 Summary of Australian statistics for rice <sup>a</sup>

	Area '000 ha	Yield <sup>b</sup> t/ha	Production		Exports		Apparent consumption <sup>f</sup> kt
			Volume <sup>b</sup> kt	Unit value <sup>c</sup> \$/t	Volume <sup>d</sup> kt	Unit value <sup>e</sup> \$/t	
1960-61	18.7	6.1	114.3	72.2	60.3	107.8	17.2
1961-62	20.3	6.6	134.2	57.1	50.8	114.2	17.5
1962-63	22.2	6.1	135.8	56.5	56.8	121.5	17.9
1963-64	24.0	5.9	142.0	55.7	56.1	130.1	18.2
1964-65	24.9	6.1	153.0	55.8	64.2	124.6	21.3
1965-66	26.1	7.0	181.7	56.3	63.9	126.8	25.2
1966-67	29.8	7.2	214.3	58.1	89.2	128.9	27.5
1967-68	30.7	7.0	214.5	59.8	99.0	141.4	28.2
1968-69	33.7	7.4	248.2	57.8	107.0	146.7	29.1
1969-70	40.2	6.1	247.0	58.8	120.7	141.7	30.2
1970-71	40.7	7.4	299.8	45.8	95.9	137.6	32.6
1971-72	40.5	6.1	248.4	48.1	169.3	114.6	33.1
1972-73	45.2	6.8	308.6	81.0	152.0	139.5	29.0
1973-74	67.5	6.1	408.8	123.4	124.8	229.2	27.4
1974-75	75.6	5.1	386.7	92.8	159.8	268.5	32.2
1975-76	74.8	5.6	417.0	98.8	215.2	238.8	33.5
1976-77	92.0	5.8	529.8	112.0	254.4	224.4	33.3
1977-78	91.4	5.4	490.3	124.6	273.2	241.9	34.8
1978-79	110.2	6.3	692.2	141.2	239.4	276.1	35.5
1979-80	116.4	5.3	613.1	153.0	449.6	288.9	37.1
1980-81	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	154.8	394.0	352.8	60.0
1987-88	105.4	7.2	761.1	152.0	314.6	391.0	80.2
1988-89	97.0	8.3	805.0	182.1	160.6	452.5	89.4
1989-90	105.0	8.8	924.0	152.6	149.8	486.7	97.6
1990-91	89.0	8.8	787.0	176.0	223.5	427.4	103.0
1991-92	127.0	8.8	1 122.0	164.0	449.3	461.6	90.6
1992-93	125.0	7.6	955.0	172.0	484.5	477.6	86.9
1993-94	132.7	8.2	1 082.0	241.7	533.8	506.5	98.7
1994-95	129.2	8.8	1 137.0	190.1	584.4	585.4	108.5
1995-96	149.7	6.4	951.2	237.6	606.0	554.9	118.2
1996-97	166.7	8.3	1 388.0	223.6	520.3	559.9	133.7
1997-98	141.2	9.4	1 330.9	255.9	680.9	582.8	135.5
1998-99	151.7	9.2	1 389.8	259.4	581.9	667.5	133.0
1999-00	133.3	8.2	1 096.0	263.9	672.1	616.4	136.4
2000-01	177.0	9.3	1 643.0	213.2	601.8	636.4	140.0
2001-02	144.0	8.3	1 192.0	274.2	580.3	583.9	144.1
2002-03	46.0	9.5	438.0	348.2	664.4	644.8	147.9
2003-04	66.0	8.4	553.0	325.1	216.5	620.4	151.8
2004-05	51.4	6.6	339.0	296.8	298.8	634.6	155.8
2005-06	105.0	10.0	1 048.0	362.1	167.5	653.1	161.4

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

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

## 200 Australian rice trade and payments to growers

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Exports a</b>									
Quantity	kt	582	672	602	580	664	216	299	167
Total export value b	\$m	388	414	383	339	428	134	190	109
<b>Imports ac</b>									
Quantity	kt	39	48	50	55	61	80	91	103
Total import value	\$m	34	38	44	43	46	56	59	69
<b>Indicator price</b>									
Thai white rice d	US\$/t	283.75	230.58	184.17	191.67	199.42	220.33	278.33	301.42
Exchange rate	US\$/A\$	0.63	0.63	0.54	0.52	0.58	0.71	0.75	0.75
Australian price e	A\$/t	453.22	366.21	341.95	365.79	341.23	309.30	370.24	404.38
<b>Average returns to growers f</b>									
Avg. medium grain return	\$/t	213.0	215.0	232.0	193.4	243.7	313.1	279.5	284.1

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

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

# 201 Summary of world statistics for rice <sup>a</sup>

	Area harvested million ha	Production <sup>b</sup> Mt	Total use Mt	Closing stocks <sup>bc</sup> Mt	Stocks to use ratio %	Trade <sup>d</sup> Mt	Export price <sup>e</sup> US\$/t
1960-61	120	151	157	10	7	7	132.33
1961-62	116	147	149	9	6	6	146.67
1962-63	120	155	151	13	8	7	149.42
1963-64	122	169	165	16	10	8	140.25
1964-65	125	181	180	17	10	8	135.00
1965-66	124	173	172	18	11	8	149.08
1966-67	126	179	179	19	10	8	181.67
1967-68	127	189	186	21	11	7	220.17
1968-69	129	195	192	25	13	7	186.75
1969-70	131	201	199	26	13	8	161.33
1970-71	133	213	211	29	14	9	131.83
1971-72	135	216	217	28	13	9	134.17
1972-73	133	209	213	24	11	8	187.12 <sup>f</sup>
1973-74	136	228	223	29	13	8	593.51 <sup>g</sup>
1974-75	138	226	226	28	12	7	439.12
1975-76	143	243	232	39	17	8	302.84
1976-77	141	236	237	38	16	11	274.66
1977-78	143	251	244	44	18	10	360.92
1978-79	144	262	252	54	21	12	339.83
1979-80	141	257	257	54	21	13	409.83
1980-81	144	270	275	53	19	13	492.58
1981-82	144	278	283	51	18	11	379.83
1982-83	141	285	285	57	20	12	280.42
1983-84	145	307	303	69	23	12	278.33
1984-85	144	317	309	88	28	12	211.29
1985-86	145	318	319	98	31	12	191.13
1986-87	145	316	320	103	32	13	189.66
1987-88	142	315	321	105	33	12	272.63
1988-89	146	331	327	111	34	15	292.44
1989-90	147	344	338	119	35	13	292.06
1990-91	147	351	343	127	37	12	296.09
1991-92	147	353	351	127	36	14	287.30
1992-93	147	354	356	123	35	15	244.25
1993-94	145	355	360	119	33	16	293.98
1994-95	147	364	364	118	33	21	289.76
1995-96	148	369	366	118	32	20	362.42
1996-97	150	381	376	121	32	19	337.83
1997-98	151	387	377	128	34	27	302.25
1998-99	153	395	388	134	35	26	283.75
1999-00	155	409	396	145	37	24	230.58
2000-01	152	399	392	149	38	24	184.17
2001-02	151	399	411	136	33	28	191.67
2002-03	146	378	405	107	26	28	199.42
2003-04	148	392	410	85	21	27	220.33
2004-05	150	400	406	77	19	29	278.33
2005-06	152	416	412	80	19	28	301.42

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

Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *Rice Market News*, Arkansas; US Department of Agriculture, *Rice Outlook*, (<http://usda.mannlib.cornell.edu/reports/erssor/field/rcs-bb/>); ABARE.

## 202 World rice production, by country or region <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Australia	1.4	1.1	1.6	1.2	0.4	0.6	0.3	1.0
Bangladesh	29.8	34.6	37.6	36.5	37.8	39.2	38.4	43.1
Brazil	11.6	11.4	10.2	10.4	10.4	12.8	13.2	11.5
China	198.7	198.5	187.9	177.6	174.5	160.7	179.1	180.6
European Union <sup>b</sup>	2.7	2.7	2.5	2.6	2.8	2.7	2.7	2.6
India	129.1	134.5	127.5	140.0	107.7	132.8	124.7	136.6
Indonesia	50.9	51.9	51.5	51.1	51.8	54.3	54.0	54.2
Japan	11.2	11.5	11.9	11.3	11.1	9.7	10.9	11.3
Korea, Rep. of	6.8	7.1	7.2	7.4	6.7	6.2	6.7	6.4
Myanmar	16.0	17.0	18.6	18.0	18.6	18.5	16.5	18.0
Pakistan	7.0	7.7	7.2	5.8	6.7	7.3	7.4	8.3
Philippines	10.3	12.0	12.5	13.0	13.0	14.2	14.5	15.1
Thailand	23.6	25.0	25.8	26.5	26.1	27.3	26.3	27.6
United States	8.4	9.3	8.7	9.8	9.6	9.1	10.5	10.1
Viet Nam	30.5	31.7	31.0	31.9	32.6	33.5	34.4	34.0
World	586.5	608.0	593.2	593.9	562.1	584.3	595.7	619.1

<sup>a</sup> Crop year (paddy basis). <sup>b</sup> Regarded as fifteen countries to 1998-99, then twenty five countries from 1999-00.  
Sources: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; ABARE.



# 203

## Volume of world rice trade, by country <sup>a</sup>

	1998	1999	2000	2001	2002	2003	2004	2005
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Bangladesh	1.22	0.64	0.40	0.31	1.11	0.80	0.79	0.60
Brazil	0.78	0.57	0.67	0.55	1.06	0.76	0.55	0.55
China	0.18	0.28	0.27	0.30	0.26	1.12	0.61	0.70
European Union <sup>b</sup>	0.78	1.10	1.19	1.17	0.95	1.08	0.97	0.98
India	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00
Indonesia	3.73	1.50	1.50	3.50	2.75	0.65	0.50	0.90
Iran	1.31	1.10	0.77	0.96	0.90	0.95	0.98	1.20
Iraq	0.78	1.27	0.96	1.18	0.67	0.89	0.79	1.20
Japan	0.63	0.66	0.68	0.62	0.65	0.70	0.79	0.65
Malaysia	0.62	0.60	0.63	0.48	0.50	0.70	0.75	0.75
Nigeria	0.95	1.25	1.91	1.90	1.45	1.37	1.78	1.60
Philippines	1.00	0.90	1.18	1.25	1.30	1.10	1.90	1.90
Russian Federation	0.58	0.40	0.25	0.41	0.39	0.35	0.35	3.80
Saudi Arabia	0.75	0.99	1.05	0.94	1.15	1.50	1.25	1.00
World <sup>c</sup>	27.00	26.00	24.45	24.45	27.88	27.58	27.18	29.01
<b>Exports</b>								
Australia	0.56	0.67	0.63	0.57	0.63	0.35	0.28	0.20
China	2.71	2.95	1.85	7.85	1.96	2.58	0.88	0.66
European Union <sup>b</sup>	0.35	0.31	0.27	0.36	0.22	0.19	0.20	0.18
India	2.75	1.45	1.94	6.65	4.42	3.17	4.69	3.80
Myanmar	0.06	0.16	0.67	1.00	0.39	0.13	0.19	0.13
Pakistan	1.84	2.03	2.42	2.42	1.60	1.96	1.99	3.03
Thailand	6.68	6.55	7.52	7.52	7.25	7.55	10.14	7.27
United States	2.64	2.85	2.54	2.54	3.30	3.83	3.09	3.86
Viet Nam	4.56	3.37	3.53	3.53	3.25	3.80	4.30	5.17
World <sup>c</sup>	27.00	26.00	24.45	24.45	27.88	27.58	27.18	29.01

<sup>a</sup> Milled basis. <sup>b</sup> Regarded as fifteen countries to 1998, then twenty five countries from 1999. Includes intra-EU trade. <sup>c</sup> Includes intra-EU trade.

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

204 US rice supply and disposal <sup>a</sup>

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Area harvested	million ha	1.32	1.42	1.23	1.34	1.30	1.21	1.35	1.36
Yield	t/ha	6.35	6.58	7.04	7.28	7.36	7.50	7.81	7.45
Opening stocks <sup>b</sup>	Mt	0.88	0.69	0.87	0.89	1.22	0.83	0.76	1.21
Production <sup>b</sup>	Mt	5.80	6.50	5.94	6.71	6.54	6.42	7.46	7.11
Total supply <sup>c</sup>	Mt	7.01	7.52	7.16	8.02	8.22	7.73	8.64	8.86
Exports	Mt	2.73	2.80	2.64	4.30	5.65	4.67	4.93	5.25
Long grain	Mt	2.25	2.24	2.05	3.35	4.51	3.66	3.80	4.22
Medium-short grain	Mt	0.48	0.57	0.59	0.95	1.14	1.01	1.13	1.03
Domestic and residual use	Mt	3.59	3.85	3.68	3.85	3.53	3.66	3.94	3.81
Total use	Mt	7.01	7.52	7.15	8.02	8.22	7.33	8.64	8.86
Target price <sup>d</sup>	US\$/t	na	na	na	na	232	232	232	na
Statutory loan rate	US\$/t	143	143	143	143	143	143	143	na
Farm price	US\$/t	196	131	124	94	99	178	162	168

<sup>a</sup> August–July marketing year. <sup>b</sup> Milled basis. <sup>c</sup> Includes imports. <sup>d</sup> Authorised under the Food Security and Rural Investment Act of 2002. **na** Not applicable or not available.

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

# 205 Rice export price quotations, by country <sup>a</sup>

	Thailand Nominal price quote-US <sup>b</sup> US\$/t	Arkansas <sup>c</sup> US\$/t	California <sup>d</sup> US\$/t
1980-81	492.58	563.00	611.23
1981-82	379.83	445.42	461.59
1982-83	280.42	392.79	350.90
1983-84	278.33	411.25	340.34
1984-85	211.29	397.45	336.20
1985-86	191.13	355.77	345.46
1986-87	189.66	259.68	286.41
1987-88	272.63	441.47	371.11
1988-89	292.44	344.65	368.26
1989-90	292.06	354.85	357.51
1990-91	296.09	344.84	354.67
1991-92	287.30	368.17	396.09
1992-93	244.25	312.04	395.17
1993-94	293.98	442.48	486.35
1994-95	289.76	317.91	391.51
1995-96	362.42	420.07	464.80
1996-97	337.83	458.22	432.27
1997-98	302.25	419.83	412.52
1998-99	283.75	373.83	483.96
1999-00	230.58	283.06	474.55
2000-01	184.17	280.28	338.09
2001-02	191.67	220.16	293.60
2002-03	199.42	221.83	326.83
2003-04	220.33	359.83	532.83
2004-05	278.33	312.17	404.42
2005-06	301.42	334.00	484.17
<b>2005</b>			
January	292.00	318.00	397.00
February	296.00	311.00	397.00
March	298.00	304.00	397.00
April	302.00	303.00	397.00
May	300.00	307.00	379.00
June	291.00	294.00	375.00
July	281.00	285.00	367.00
August	288.00	278.00	379.00
September	291.00	292.00	441.00
October	292.00	303.00	474.00
November	283.00	308.00	507.00
December	286.00	320.00	507.00
<b>2006</b>			
January	299.00	343.00	507.00
February	307.00	354.00	507.00
March	309.00	353.00	491.00
April	308.00	358.00	485.00
May	314.00	364.00	498.00
June	319.00	364.00	507.00
July	321.00	371.00	507.00
August	319.00	395.00	507.00

<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 2nd grade, fob Bangkok, nominal price quote, USDA. Prior to 1984-85 quoted from Thailand Board of Trade. <sup>c</sup> US no. 2 long grain milled. <sup>d</sup> US no. 1 medium grain milled.

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

## 206 Rice supply and disposal in major exporting countries <sup>a</sup>

	Area harvested million ha	Yield t/ha	Production <sup>b</sup> Mt	Domestic use Mt	Exports <sup>c</sup> Mt	Closing stocks <sup>d</sup> Mt
<b>China</b>						
2000-01	29.96	6.27	187.91	134.30	7.85	93.01
2001-02	28.81	6.16	177.58	136.50	1.96	79.16
2002-03	28.20	6.19	174.54	135.70	2.58	63.31
2003-04	26.51	6.06	160.66	137.10	0.88	43.92
2004-05	28.38	6.31	179.09	130.30	0.66	38.93
2005-06	28.85	6.26	180.59	128.00	1.00	37.25
<b>Viet Nam</b>						
2000-01	7.49	4.14	31.02	16.50	3.53	2.96
2001-02	7.47	4.27	31.87	17.00	3.25	3.79
2002-03	7.46	4.37	32.62	17.50	3.80	4.07
2003-04	7.47	4.48	33.46	17.85	4.30	4.30
2004-05	7.45	4.62	34.42	18.00	5.17	4.16
2005-06	7.33	4.63	33.97	18.25	5.20	3.48
<b>Pakistan</b>						
2000-01	2.38	3.03	7.20	2.62	2.42	0.59
2001-02	2.12	2.75	5.82	2.54	1.60	0.31
2002-03	2.20	3.05	6.72	2.55	1.96	0.25
2003-04	2.46	2.96	7.27	2.60	1.99	0.64
2004-05	2.50	2.95	7.38	2.55	3.03	0.20
2005-06	2.62	3.18	8.32	2.56	3.00	0.30
<b>Thailand</b>						
2000-01	9.89	2.61	25.84	9.25	7.52	2.25
2001-02	10.13	2.62	26.51	9.40	7.25	3.12
2002-03	10.16	2.56	26.06	9.46	7.55	3.30
2003-04	10.32	2.64	27.29	9.47	10.14	1.71
2004-05	10.00	2.63	26.30	9.48	7.27	2.31
2005-06	10.22	2.70	27.58	9.50	7.30	3.76
<b>United States</b>						
2000-01	1.23	7.04	8.66	3.68	2.54	0.89
2001-02	1.34	7.28	9.76	3.85	3.30	1.22
2002-03	1.30	7.36	9.57	3.53	3.83	0.83
2003-04	1.21	7.50	9.07	3.66	3.09	0.76
2004-05	1.35	7.81	10.54	3.94	3.86	1.21
2005-06	1.36	7.45	10.13	3.81	3.70	1.37
<b>World</b>						
2000-01	151.54	3.91	593.18	392.26	24.45	149.25
2001-02	150.50	3.95	593.88	411.10	27.88	136.39
2002-03	145.80	3.86	562.13	404.95	27.58	106.52
2003-04	148.13	3.94	584.30	410.39	27.18	85.39
2004-05	149.64	3.98	595.70	405.81	29.01	77.00
2005-06	151.71	4.08	619.14	412.07	28.14	80.28

<sup>a</sup> Simple aggregation of different crop years. The marketing period in each country is: United States, August–July; Thailand, August–July; China, December–November; Pakistan, October–September; Viet Nam, July–June. <sup>b</sup> Paddy. <sup>c</sup> On a calendar year basis: 1999-00 = 2000; includes intra-EU trade. <sup>d</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: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC; US Department of Agriculture, *World Grain Situation and Outlook: Foreign Agriculture Circular*, Washington DC; US Department of Agriculture, *World Agricultural Production*, Washington DC; ABARE.

## 207 Summary of Australian statistics for sugar

	Area harvested '000 ha	Cane crushed kt	Sugar production <sup>a</sup> kt	No. 1 pool price \$/t	Exports kt
1960-61	138	9 313	1 362	99.6	809
1961-62	157	9 730	1 362	98.9	857
1962-63	163	12 940	1 823	104.5	1 164
1963-64	169	12 313	1 699	120.7	1 134
1964-65	190	15 312	1 921	96.8	1 290
1965-66	204	14 382	1 924	85.7	1 273
1966-67	226	16 953	2 307	76.0	1 664
1967-68	224	17 025	2 300	83.1	1 622
1968-69	230	18 708	2 684	88.2	2 062
1969-70	213	15 784	2 146	100.3	1 386
1970-71	221	17 645	2 448	102.8	1 571
1971-72	234	19 391	2 708	111.8	2 008
1972-73	242	18 928	2 732	118.7	2 084
1973-74	226	19 278	2 449	129.9	1 781
1974-75	253	20 418	2 761	252.7	1 996
1975-76	257	21 959	2 769	232.2	2 000
1976-77	288	23 344	3 194	214.1	2 556
1977-78	295	23 493	3 240	196.4	2 478
1978-79	252	21 457	2 812	213.2	1 840
1979-80	267	21 151	2 871	281.7	2 201
1980-81	288	23 976	3 227	376.0	2 558
1981-82	316	25 094	3 329	275.0	2 498
1982-83	318	24 817	3 428	223.0	2 548
1983-84	307	24 190	3 073	259.0	2 357
1984-85	313	25 512	3 439	226.0	2 524
1985-86	304	24 414	3 275	223.3	2 799
1986-87	310	25 413	3 268	275.0	2 471
1987-88	317	25 669	3 334	287.0	2 776
1988-89	313	28 073	3 566	333.0	2 824
1989-90	332	27 622	3 681	370.0	2 799
1990-91	339	25 200	3 407	341.0	2 649
1991-92	341	21 367	3 016	303.4	2 276
1992-93	339	29 461	4 133	301.0	3 127
1993-94	340	32 008	4 234	345.0	3 415
1994-95	365	34 943	4 931	382.0	4 111
1995-96	377	35 889	4 837	371.0	3 979
1996-97	390	38 633	5 301	335.0	4 309
1997-98	415	39 531	5 567	335.0	4 670
1998-99	402	38 534	4 998	352.0	4 098
1999-00	428	38 165	5 448	255.0	4 131
2000-01	403	28 117	4 162	253.0	3 087
2001-02	426	31 424	4 987	331.6	3 644
2002-03	448	36 995	5 461	276.7	4 167
2003-04	448	36 993	4 994	231.9	4 060
2004-05	434	37 822	5 196	255.8	4 153
2005-06	415	38 169	5 108	na	4 038

<sup>a</sup> Raw tonnes actual.

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

## 208 Australian cane and sugar production

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Area harvested for crushing	'000 ha	428	403	426	448	448	434	415
Cane yield	t/ha harvested	89.2	69.8	73.8	82.6	82.6	87.1	92.0
Cane crushed	kt	38 165	28 117	31 424	36 995	36 993	37 822	38 169
Commercial cane sugar	%	13.72	13.33	14.09	14.10	13.49	13.90	13.39
Sugar production <sup>a</sup>	kt	5 448	4 162	4 987	5 461	4 994	5 196	5 108
Sugar yield	t/ha harvested	12.7	10.3	11.7	12.2	11.1	12.0	12.3
Cane to sugar ratio		7.01	6.76	6.30	6.77	7.41	7.28	7.47
<b>Gross value of sugarcane cut for crushing</b>	\$m	882	657	989	1 019	854	980	1 037

<sup>a</sup> Raw tonnes actual.

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

## 209 Volume of Australian exports of sugar, by destination

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06 <sup>p</sup>
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Raw sugar in bulk</b>								
Canada	708.8	530.7	512.1	477.5	329.3	381.2	332.9	na
China	50.0	39.0	60.0	230.0	367.7	99.8	179.0	na
Chinese Taipei	154.5	276.0	120.3	122.7	157.5	133.6	279.0	na
Egypt	88.0	0.0	0.0	0.0	0.0	0.0	0.0	na
Indonesia	206.9	130.4	55.5	66.6	163.7	152.3	362.2	na
Iran	20.0	124.0	80.0	0.0	84.0	0.0	0.0	na
Japan	648.6	675.4	474.5	762.6	729.0	518.1	434.7	na
Korea, Rep. of	617.7	815.2	504.8	569.8	795.4	980.3	1 003.5	na
Malaysia	642.3	767.6	654.9	771.1	798.8	1 015.6	1 026.9	na
New Zealand	0.0	0.1	0.0	245.6	218.6	220.4	243.5	na
Philippines	78.3	137.4	0.0	0.0	30.0	0.0	0.0	na
Saudi Arabia	200.0	204.0	171.7	169.3	212.0	219.5	132.0	na
Singapore	15.0	30.0	0.0	0.0	0.0	0.0	0.0	na
United States	107.7	75.0	62.9	83.2	88.0	108.3	83.5	na
Other countries	396.0	223.5	269.6	0.5	0.8	102.8	76.1	na
<b>Total</b>	<b>3 934</b>	<b>4 028</b>	<b>2 966</b>	<b>3 499</b>	<b>3 975</b>	<b>3 932</b>	<b>4 153</b>	<b>3 914</b>
<b>Raw sugar in bags</b>	<b>8.6</b>	<b>7.5</b>	<b>7.2</b>	<b>6.3</b>	<b>7.0</b>	<b>7.0</b>	<b>3.7</b>	<b>1.9</b>
<b>Refined sugar</b>	<b>155.5</b>	<b>95.7</b>	<b>113.1</b>	<b>138.5</b>	<b>185.4</b>	<b>121.0</b>	<b>113.6</b>	<b>169.5</b>
<b>Total</b>	<b>4 098</b>	<b>4 131</b>	<b>3 087</b>	<b>3 644</b>	<b>4 167</b>	<b>4 060</b>	<b>4 270</b>	<b>4 085.5</b>
(value, \$m)	1 385	1 095	1 178	1 430	1 220	982	1 140	1 511

<sup>p</sup> Preliminary. na Not available.

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

210 World sugar supplies, consumption, trade and prices <sup>a</sup>

	Production Mt	Total supply Mt	Consumption Mt	Closing		Trade <sup>c</sup> Mt	World price <sup>d</sup>	
				stocks Mt	Ratio <sup>b</sup> %		US terms US\$/lb	Australian terms A\$/t <sup>e</sup>
1960-61	56.1	70.9	na	na	na	na	na	59.1
1961-62	52.4	69.4	na	na	na	na	na	48.6
1962-63	51.3	64.8	na	na	na	na	na	120.8
1963-64	54.7	64.8	na	na	na	na	na	156.8
1964-65	66.8	78.0	na	na	na	na	na	49.6
1965-66	63.1	81.9	na	na	na	na	na	37.5
1966-67	65.6	84.8	na	na	na	na	na	33.4
1967-68	97.9	87.0	na	na	na	na	na	36.9
1968-69	68.4	89.0	na	na	na	na	na	57.9
1969-70	74.2	93.8	na	na	na	na	na	69.3
1970-71	71.0	92.0	72.8	18.8	(25.8)	na	3.3	84.7
1971-72	72.2	91.0	74.3	16.9	(22.7)	na	6.2	115.7
1972-73	75.6	92.5	76.4	16.4	(21.5)	na	8.7	143.1
1973-74	78.5	94.9	78.3	16.2	(20.7)	na	18.5	274.6
1974-75	78.0	94.2	75.9	17.7	(23.3)	na	30.3	499.5
1975-76	81.1	98.8	78.5	20.6	(26.2)	na	13.6	239.7
1976-77	86.7	107.3	81.3	25.1	(30.9)	na	8.3	162.0
1977-78	91.2	116.3	85.2	30.5	(35.8)	na	7.5	146.1
1978-79	91.0	121.5	89.3	31.7	(35.5)	na	8.2	159.9
1979-80	85.1	116.8	90.1	25.9	(28.7)	na	21.0	412.5
1980-81	88.7	114.6	89.8	25.6	(28.5)	28.6	24.7	467.8
1981-82	100.9	126.5	92.2	33.3	(36.1)	31.6	10.4	211.0
1982-83	100.6	133.9	94.4	38.7	(41.0)	29.6	7.6	184.9
1983-84	98.0	136.7	96.3	39.5	(41.0)	29.6	6.7	164.7
1984-85	100.4	139.9	98.0	42.0	(42.9)	29.2	3.7	108.6
1985-86	98.6	140.6	100.0	39.0	(39.0)	28.8	6.0	192.4
1986-87	104.2	143.2	105.9	35.8	(33.8)	28.7	6.2	203.2
1987-88	104.7	140.5	107.2	33.4	(31.1)	27.9	9.0	265.5
1988-89	104.6	138.0	107.0	31.1	(29.0)	35.2	11.6	319.1
1989-90	109.1	140.2	109.5	30.6	(28.0)	34.7	13.9	397.0
1990-91	115.7	146.3	110.4	35.0	(31.8)	34.4	9.4	264.6
1991-92	116.9	151.9	111.0	40.0	(36.0)	32.2	9.1	266.4
1992-93	112.7	152.7	111.9	39.8	(35.6)	32.6	9.6	304.8
1993-94	111.4	151.2	112.2	37.6	(33.5)	34.1	10.6	346.4
1994-95	116.1	153.7	114.7	38.2	(33.3)	35.5	13.6	411.7
1995-96	125.7	163.9	119.2	40.4	(33.9)	36.1	12.3	360.1
1996-97	123.7	164.1	122.1	41.9	(34.3)	35.6	11.3	331.6
1997-98	127.8	169.7	125.1	44.7	(35.7)	36.9	10.8	374.1
1998-99	135.3	180.0	125.6	54.3	(43.3)	39.3	7.2	252.0
1999-00	131.7	186.0	127.4	58.7	(46.0)	37.1	6.2	253.7
2000-01	130.7	189.4	131.1	58.3	(44.5)	39.4	9.8	407.2
2001-02	137.3	195.6	135.6	60.0	(44.2)	43.5	7.2	287.3
2002-03	148.3	208.3	140.8	66.1	(46.9)	43.6	7.5	282.0
2003-04	143.0	209.1	144.5	64.6	(44.7)	45.0	6.3	196.5
2004-05	144.4	209.0	147.6	61.4	(41.6)	45.9	8.4	247.4
2005-06	149.7	220.7	150.6	60.5	(40.2)	46.5	7.5	246.8

<sup>a</sup> Raw sugar equivalent; October–September years. <sup>b</sup> Figures in parentheses show closing stocks as a percentage of consumption. <sup>c</sup> 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. <sup>d</sup> Average of monthly averages of International Sugar Agreement (ISA) price; fob and stowed Caribbean ports basis, in bulk. <sup>e</sup> Australian currency equivalents of ISA price. **na** Not available.

Sources: International Sugar Organisation, *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; ABARE.

# 211 World sugar production, by region and country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Europe	28.79	28.17	27.73	26.08	27.99	27.12	29.72	28.18
Eastern Europe	6.68	6.08	6.44	6.07	6.36	6.86	5.58	6.16
Poland <sup>b</sup>	2.24	1.96	2.18	1.69	2.01	2.08	na	na
Russian Federation	1.35	1.63	1.73	1.72	1.86	2.19	2.45	2.75
Ukraine	2.03	1.64	1.72	1.83	1.55	1.68	1.95	2.06
Other	1.06	0.85	0.81	0.84	0.94	0.92	1.18	1.35
Western Europe	22.12	22.09	21.29	20.00	21.62	20.26	24.14	22.02
European Union <sup>c</sup>	17.83	18.35	17.50	16.58	17.79	16.83	22.11	21.79
Turkey	2.69	2.29	2.43	1.86	2.27	1.98	2.03	2.10
Other	1.60	1.45	1.37	1.57	1.56	1.45	0.24	0.24
Africa	8.77	8.87	9.35	9.40	9.36	9.44	9.79	10.40
Mauritius	0.50	0.54	0.69	0.58	0.55	0.55	0.59	0.59
South Africa	2.63	2.43	2.65	2.45	2.55	2.30	2.40	2.63
Other	5.65	5.90	6.02	6.38	6.26	6.59	6.79	7.19
Americas	49.19	46.37	47.24	50.96	52.71	55.00	57.60	56.98
Brazil	21.60	17.53	19.07	22.72	25.33	26.69	29.61	30.40
Colombia	2.24	2.36	2.25	2.50	2.64	2.72	2.63	2.47
Cuba	3.85	4.12	3.60	3.70	2.25	2.50	1.42	1.30
Guatemala	1.55	1.63	1.65	1.95	1.85	2.00	2.18	2.24
Mexico	4.99	4.99	5.24	5.17	5.34	5.36	6.10	5.47
United States	7.60	8.21	7.91	7.17	7.63	7.85	7.17	6.83
Other	7.37	7.54	7.53	7.75	7.66	7.89	8.16	8.28
Asia	42.50	42.56	41.48	45.92	52.47	45.30	41.96	48.64
China	9.70	7.44	6.73	9.30	11.35	10.78	9.95	9.59
India	16.77	19.60	19.75	19.56	21.73	14.70	13.95	20.90
Indonesia	1.63	1.71	1.78	1.90	1.83	2.01	2.30	2.40
Pakistan	3.78	2.65	2.65	3.20	3.83	4.30	3.30	2.80
Philippines	1.69	1.71	1.88	1.95	2.23	2.41	2.25	2.15
Thailand	5.48	5.83	5.44	6.50	7.67	6.94	5.43	5.08
Other	3.46	3.62	3.26	3.53	3.84	4.17	4.18	5.73
Oceania	6.07	5.73	4.88	4.92	5.78	6.19	5.36	5.50
Australia	5.68	5.34	4.47	4.58	5.40	5.81	4.98	5.11
Fiji	0.35	0.34	0.37	0.29	0.33	0.32	0.33	0.33
Other	0.05	0.05	0.04	0.05	0.05	0.06	0.05	0.06
Total	135.32	131.70	130.68	137.28	148.32	143.02	144.40	149.70

<sup>a</sup> Raw sugar equivalent, October-September year. <sup>b</sup> Poland joined the enlarged EU-25 from 1 May 2004. <sup>c</sup> Regarded as fifteen countries to 2003-04, then twenty five countries from 2004-05. <sup>na</sup> Not available.

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



## 212 Volume of world sugar trade, by country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Exports</b>								
Australia	4.08	4.01	3.11	3.83	3.94	3.90	4.25	4.04
Brazil	11.25	8.83	8.98	12.63	13.96	15.72	19.22	17.80
China	0.57	0.39	0.18	0.42	0.13	0.04	0.12	0.15
Colombia	0.89	0.94	0.96	1.05	1.35	1.15	1.07	0.91
Cuba	3.23	3.44	2.93	3.07	1.79	2.01	0.91	0.61
Dominican Republic	0.19	0.18	0.19	0.19	0.15	0.21	0.18	0.18
European Union <sup>b</sup>	7.72	8.51	9.24	6.88	8.40	7.16	7.33	7.25
Fiji	0.35	0.32	0.30	0.27	0.28	0.24	0.32	0.28
Guatemala	1.13	1.13	1.43	1.32	1.25	1.49	1.07	1.56
Guyana	0.28	0.28	0.27	0.28	0.30	0.31	0.29	0.30
India	0.03	0.01	1.18	1.33	1.28	0.65	0.23	0.68
Korea, Rep. of	0.32	0.36	0.31	0.32	0.33	0.34	0.33	0.28
Mauritius	0.56	0.44	0.64	0.63	0.56	0.59	0.55	0.59
Mexico	0.60	0.49	0.14	0.52	0.21	0.11	0.11	0.47
Poland <sup>c</sup>	0.47	0.42	0.43	0.06	0.46	0.49	na	na
South Africa	1.31	1.30	1.45	1.29	1.06	0.99	1.26	1.29
Swaziland	0.48	0.55	0.58	0.48	0.54	0.63	0.63	0.52
Thailand	3.20	3.90	3.66	4.56	4.75	5.12	3.23	2.63
Ukraine	0.15	0.14	0.12	0.09	0.37	0.34	0.11	0.04
United States	0.15	0.11	0.11	0.11	0.13	0.13	0.21	0.16
Other countries	7.45	6.99	7.95	8.73	9.48	10.81	11.64	na
<b>Total d</b>	<b>44.42</b>	<b>42.70</b>	<b>44.18</b>	<b>48.05</b>	<b>50.71</b>	<b>52.42</b>	<b>53.06</b>	<b>46.80</b>
<b>Imports</b>								
Algeria	1.00	0.89	0.97	1.02	1.09	1.20	1.34	1.37
Canada	1.16	1.11	1.24	1.10	1.37	1.39	1.26	1.35
China	0.54	0.64	0.89	1.28	0.95	1.17	1.10	1.47
Egypt	1.30	1.04	0.90	1.14	1.05	1.20	1.20	1.17
European Union <sup>b</sup>	4.27	4.75	5.24	5.24	5.60	6.11	5.43	2.40
Indonesia	2.29	1.67	1.43	2.28	2.03	2.23	1.83	1.63
Iran	1.11	1.02	1.00	1.01	0.95	0.64	0.59	0.75
Israel	0.50	0.48	0.51	0.54	0.59	0.62	0.63	0.58
Japan	1.55	1.54	1.54	1.53	1.57	1.32	1.52	1.49
Korea, Rep. of	1.37	1.47	1.48	1.54	1.54	1.63	1.64	1.42
Malaysia	1.19	1.18	1.17	1.31	1.49	1.49	1.47	1.38
Morocco	0.49	0.58	0.51	0.54	0.58	0.75	0.81	0.82
Nigeria	0.83	0.79	1.06	1.41	1.50	1.37	1.44	1.33
Pakistan	0.00	0.28	1.28	0.24	0.03	0.05	0.63	1.55
Russian Federation	5.22	5.21	5.08	5.10	5.23	4.09	3.90	3.60
Saudi Arabia	0.64	0.76	0.83	0.92	0.98	0.99	1.03	0.95
Syria	0.71	0.70	0.87	1.06	1.10	1.17	1.12	0.90
Ukraine	0.32	0.26	0.44	0.27	1.46	0.64	0.31	0.23
United States	1.85	1.38	1.42	1.39	1.47	1.65	1.52	2.95
Other countries	14.49	14.16	14.35	15.17	16.21	17.60	21.24	19.40
<b>Total d</b>	<b>41.99</b>	<b>41.23</b>	<b>43.51</b>	<b>45.36</b>	<b>48.72</b>	<b>48.82</b>	<b>50.00</b>	<b>46.70</b>

<sup>a</sup> Includes both raw and white sugar measured in raw sugar equivalents, September–August years. <sup>b</sup> Regarded as fifteen countries to 2003-04, then twenty five countries from 2004-05. <sup>c</sup> Included in European Union from 2004-05. <sup>d</sup> 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. **na** Not available.

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

213 Summary of Australian statistics for wheat <sup>a</sup>

	Area <sup>c</sup> '000 ha	Yield t/ha	Production		Exports <sup>b</sup>		Domestic use <sup>e</sup> kt	Closing stocks <sup>f</sup> kt
			Volume <sup>c</sup> kt	Unit value \$/t	Volume kt	Unit value <sup>d</sup> \$/t		
1962-63	6 664	1.25	8 353	53.8	6 222	52.0	1 980	638
1963-64	6 666	1.34	8 924	52.4	6 894	52.0	2 110	558
1964-65	7 251	1.38	10 037	51.6	7 268	52.0	2 662	665
1965-66	7 087	1.00	7 067	54.5	4 755	51.0	2 525	452
1966-67	8 426	1.51	12 699	54.3	8 526	55.0	2 437	2 188
1967-68	9 081	0.83	7 547	57.7	5 644	53.0	2 682	1 409
1968-69	10 844	1.37	14 804	49.4	6 585	53.0	2 370	7 258
1969-70	9 485	1.11	10 547	50.4	8 185	49.0	2 403	7 217
1970-71	6 478	1.22	7 890	51.1	9 049	48.0	2 654	3 404
1971-72	7 137	1.19	8 510	54.4	7 760	50.0	2 703	1 451
1972-73	7 604	0.87	6 590	54.1	4 137	51.0	3 426	478
1973-74	8 948	1.34	11 987	109.4	7 418	102.0	3 165	1 882
1974-75	8 307	1.37	11 357	110.6	8 550	132.0	3 031	1 658
1975-76	8 555	1.40	11 982	104.3	8 233	122.0	2 742	2 665
1976-77	8 956	1.30	11 667	90.1	9 763	109.0	2 432	2 137
1977-78	9 955	0.94	9 370	99.8	8 098	93.0	2 629	780
1978-79	10 249	1.77	18 090	126.9	11 693	116.0	2 531	4 646
1979-80	11 152	1.45	16 188	153.1	13 197	146.0	3 369	4 268
1980-81	11 283	0.96	10 856	155.1	9 614	164.0	3 466	2 044
1981-82	11 885	1.38	16 360	158.9	11 068	158.0	2 457	4 879
1982-83	11 520	0.77	8 876	176.5	7 280	168.0	4 190	2 285
1983-84	12 800	1.72	22 016	163.8	14 159	172.0	2 641	7 501
1984-85	12 045	1.55	18 665	171.6	14 659	183.0	3 081	8 426
1985-86	11 736	1.39	16 259	165.7	16 331	185.0	2 526	5 828
1986-87	11 135	1.46	16 308	147.8	15 658	147.0	2 763	3 715
1987-88	9 005	1.37	12 368	161.9	9 993	145.0	3 350	2 740
1988-89	8 827	1.59	14 061	209.8	11 427	214.4	2 865	2 509
1989-90	9 004	1.58	14 214	195.2	10 993	213.0	2 403	3 327
1990-91	9 218	1.63	15 066	132.0	12 002	136.5	3 227	3 164
1991-92	7 183	1.47	10 557	200.2	7 136	202.4	4 082	2 504
1992-93	9 101	1.78	16 184	165.9	10 359	206.8	4 172	4 157
1993-94	8 383	1.97	16 479	174.0	13 818	174.7	3 888	2 930
1994-95	7 891	1.14	8 972	237.1	6 351	234.1	3 907	1 644
1995-96	9 221	1.79	16 504	260.8	13 319	286.4	4 088	741
1996-97	10 936	2.10	22 924	212.8	19 224	226.9	3 477	964
1997-98	10 439	1.84	19 224	197.7	15 725	240.9	4 079	384
1998-99	11 543	1.86	21 464	186.9	16 448	203.3	4 347	1 053
1999-00	12 168	2.03	24 758	195.1	17 838	205.4	4 666	3 308
2000-01	12 141	1.82	22 108	232.1	16 142	267.9	4 791	4 483
2001-02	11 529	2.11	24 299	261.6	16 317	277.9	4 894	7 570
2002-03	11 170	0.91	10 132	265.7	9 107	283.1	5 666	2 930
2003-04	13 067	2.00	26 132	215.7	17 867	231.1	5 139	6 056
2004-05	13 399	1.63	21 905	197.1	14 675	213.7	5 282	8 003
2005-06	12 980	1.93	25 090	227.2	15 967	221.5	5 529	11 597

<sup>a</sup> Crop years: up to and including 1981-82: 1 December to 30 November; 1982-83 and subsequent years: 1 October to 30 September.

<sup>b</sup> For wheat including flour, in wheat equivalent (conversion 1:1.29). <sup>c</sup> 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. <sup>d</sup> Export unit value based on financial year exports until 1987-88 and crop year exports thereafter. <sup>e</sup> Calculated as production less exports plus net change in stocks. Includes wastage. <sup>f</sup> Includes AWB Limited Pool and Trading Division closing stocks.

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

# 214 Australian wheat area, yield and production, by state

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia a
<b>Area b</b>								
1992-93	'000 ha	1 800	950	800	4 000	1 550	1	9 101
1993-94	'000 ha	1 978	780	555	3 852	1 216	2	8 383
1994-95	'000 ha	1 424	822	401	3 848	1 395	1	7 891
1995-96	'000 ha	2 328	853	627	3 892	1 519	1	9 221
1996-97	'000 ha	3 192	963	980	4 264	1 535	2	10 936
1997-98	'000 ha	2 936	857	999	4 205	1 439	3	10 439
1998-99	'000 ha	3 174	949	1 139	4 515	1 762	4	11 543
1999-00	'000 ha	3 425	1 235	1 096	4 556	1 850	6	12 168
2000-01	'000 ha	3 671	1 143	885	4 460	1 976	7	12 141
2001-02	'000 ha	3 446	1 136	604	4 350	1 987	6	11 529
2002-03	'000 ha	2 996	1 239	514	4 458	1 957	7	11 170
2003-04	'000 ha	3 983	1 409	790	4 917	1 960	8	13 067
2004-05	'000 ha	4 256	1 327	711	5 118	1 979	7	13 399
2005-06	'000 ha	3 500	1 276	958	5 221	2 017	8	12 980
<b>Yield</b>								
1992-93	t/ha	2.33	2.53	0.88	1.55	1.73	4.00	1.78
1993-94	t/ha	2.57	2.59	1.00	1.74	1.74	3.00	1.97
1994-95	t/ha	0.61	1.15	0.56	1.41	1.07	2.19	1.14
1995-96	t/ha	1.94	2.25	0.83	1.75	1.79	3.86	1.79
1996-97	t/ha	2.62	2.35	2.02	1.76	1.82	4.00	2.10
1997-98	t/ha	2.01	1.75	1.39	1.84	1.87	4.00	1.84
1998-99	t/ha	2.07	1.54	1.70	1.81	1.88	4.50	1.86
1999-00	t/ha	2.51	2.14	1.74	1.98	1.40	3.33	2.03
2000-01	t/ha	2.14	2.69	1.31	1.30	2.11	3.71	1.82
2001-02	t/ha	2.33	2.46	1.49	1.78	2.40	4.17	2.11
2002-03	t/ha	0.83	0.72	1.17	0.91	1.06	3.57	0.91
2003-04	t/ha	1.83	2.23	1.41	2.25	1.78	3.19	2.00
2004-05	t/ha	1.77	1.45	1.65	1.68	1.32	4.29	1.63
2005-06	t/ha	2.26	2.12	1.45	1.82	1.77	2.72	1.93
<b>Production b</b>								
1992-93	kt	4 200	2 400	700	6 200	2 680	4	16 184
1993-94	kt	5 086	2 022	555	6 689	2 121	6	16 479
1994-95	kt	875	944	225	5 438	1 487	3	8 972
1995-96	kt	4 508	1 921	519	6 827	2 724	4	16 504
1996-97	kt	8 363	2 262	1 980	7 516	2 795	8	22 924
1997-98	kt	5 906	1 503	1 389	7 725	2 689	12	19 224
1998-99	kt	6 563	1 462	1 941	8 170	3 310	18	21 464
1999-00	kt	8 602	2 642	1 904	9 004	2 586	20	24 758
2000-01	kt	7 867	3 080	1 157	5 814	4 162	26	22 108
2001-02	kt	8 043	2 791	901	7 760	4 778	25	24 299
2002-03	kt	2 497	890	601	4 047	2 072	25	10 132
2003-04	kt	7 288	3 145	1 110	11 070	3 490	26	26 132
2004-05	kt	7 537	1 927	1 170	8 619	2 621	30	21 905
2005-06	kt	7 921	2 705	1 385	9 478	3 578	23	25 090

**a** Includes data for the Australian Capital Territory and the Northern Territory. State totals may not add to Australian totals as a result of rounding. **b** For 1991-92 to 1992-93, excludes establishments with an EVAO less than \$22 500; from 1993-94, excludes establishments with an EVAO less than \$5 000.

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

# 215 Volume of Australian exports of wheat and flour, by destination <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Africa</b>								
Egypt	1 496	1 018	957	1 680	602	2 534	752	1 818
Ethiopia	46	10	35	10	24	29	0	8
South Africa	196	189	141	98	48	247	183	85
<b>Asia</b>								
Bangladesh	367	476	252	133	130	141	162	179
China	177	136	60	46	38	755	1 893	303
India	586	446	7	0	0	4	0	93
Indonesia	1 724	1 868	2 192	2 097	1 686	2 647	2 720	3 016
Japan	1 110	1 189	1 161	1 195	1 134	1 250	1 171	1 106
Korea, Rep. of	1 138	1 148	1 139	953	1 014	1 065	1 213	1 002
Malaysia	838	790	775	682	370	737	888	780
Pakistan	1 290	1 286	0	0	9	140	653	146
Singapore	115	94	98	95	65	48	118	68
Sri Lanka	189	102	262	209	117	132	66	46
Thailand	341	296	272	285	291	422	478	545
<b>Middle East</b>								
Bahrain	40	0	44	0	0	6	3	0
Iran	1 608	1 520	2 352	2 420	1 064	0	0	425
Iraq	1 179	2 265	2 587	2 245	1 037	1 111	1 550	715
Kuwait	229	176	180	230	175	259	305	341
Oman	187	376	136	114	27	91	63	86
Qatar	47	36	28	0	0	0	0	61
United Arab Emirates	519	528	399	226	142	196	241	525
Yemen	529	588	507	450	412	198	314	499
<b>Oceania</b>								
Fiji	79	89	93	102	120	122	134	131
New Zealand	110	159	191	305	308	314	339	313
Papua New Guinea	115	148	136	110	130	99	134	155
<b>Total</b>	<b>16 441</b>	<b>17 329</b>	<b>16 621</b>	<b>16 464</b>	<b>10 845</b>	<b>15 073</b>	<b>15 779</b>	<b>15 168</b>
(value, \$m)	3 467	3 481	4 197	4 612	3 109	3 475	3 488	3 296

<sup>a</sup> July-June year. Exports are of wheat (including spelt, groats, meal and pellets) and meslin (mixed grain, especially rye mixed with wheat), plus plain white flour, wholemeal flour and self-raising white flour in wheat equivalent (conversion 1:1.29).  
Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra.

# 216 Australian wheat supply and disposal <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
Opening stocks	384	1 053	3 308	4 483	7 570	2 930	6 056	8 003
Production	21 464	24 758	22 108	24 299	10 132	26 132	21 905	25 090
Availability	21 848	25 811	25 416	28 782	17 702	29 062	27 961	33 093
Total domestic use	4 347	4 666	4 791	4 894	5 666	5 139	5 282	5 529
Food	2 158	2 189	2 272	2 291	2 378	2 351	2 361	2 408
Feed <sup>b</sup>	1 641	1 930	2 000	2 100	2 700	2 185	2 338	2 618
Seed	548	546	519	503	588	603	584	501
Exports								
Wheat	16 193	17 599	15 888	16 075	8 926	17 581	14 349	15 669
Flour <sup>c</sup>	256	239	254	242	180	286	325	298
Total	16 448	17 838	16 142	16 317	9 107	17 867	14 675	15 967
Closing stocks	1 053	3 308	4 483	7 570	2 930	6 056	8 003	11 597

<sup>a</sup> 1 October to 30 September. <sup>b</sup> Calculated as residual: production less exports less other domestic uses plus net change in stocks. <sup>c</sup> Wheat equivalent (conversion 1:1.29).

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

## 217 Australian wheat prices

	AWB Limited export quote <sup>a</sup>		Stock feed	Unit GVP
	US\$/t	A\$/t	wheat <sup>b</sup> A\$/t	A\$/t
1966-67	na	na	57.50	54.33
1967-68	na	na	60.81	57.70
1968-69	na	na	62.83	49.40
1969-70	na	na	63.38	50.36
1970-71	na	51.00	63.93	51.15
1971-72	na	49.00	54.75	54.35
1972-73	90.00	70.00	56.97	54.11
1973-74	195.00	132.00	71.00	109.45
1974-75	167.00	122.00	83.40	110.63
1975-76	146.00	116.00	99.32	104.26
1976-77	114.00	99.00	105.40	90.06
1977-78	118.00	105.00	111.60	99.77
1978-79	143.00	126.00	116.61	126.91
1979-80	169.00	152.00	140.50	153.07
1980-81	180.00	155.00	151.37	155.13
1981-82	165.00	149.00	149.78	158.89
1982-83	164.00	175.00	184.11	176.45
1983-84	154.00	170.00	175.24	163.77
1984-85	150.00	194.00	204.36	171.60
1985-86	133.00	190.00	193.82	165.67
1986-87	110.00	166.00	170.12	147.80
1987-88	125.00	172.00	189.54	161.93
1988-89	172.00	212.00	221.84	209.82
1989-90	168.00	218.00	171.00	195.24
1990-91	126.58	161.07	135.83	131.96
1991-92	160.33	208.77	159.67	200.16
1992-93	155.67	222.97	143.50	165.94
1993-94	153.75	223.70	137.58	173.97
1994-95	175.08	236.97	232.75	237.09
1995-96	230.42	304.56	234.72	260.83
1996-97	206.67	264.92	188.38	212.79
1997-98	167.00	246.22	185.93	197.75
1998-99	146.91	234.65	155.38	186.87
1999-00	136.42	216.66	153.63	195.14
2000-01	153.97	285.88	171.83	232.06
2001-02	157.58	301.02	211.87	261.59
2002-03	185.03	316.46	309.69	265.68
2003-04	183.56	257.71	221.51	215.67
2004-05	175.43	233.55	194.66	197.06
2005-06	195.03	261.58	192.15	227.19

<sup>a</sup> Average of daily asking prices for Australian standard white wheat fob eastern states for the relevant financial year. <sup>b</sup> Administered pricing of domestic wheat ceased after the 1988-89 season. Sydney cash price, ASW (July-June average) from 1989-90. **na** Not available.  
Sources: International Grains Council, *Grain Market Report*, London; ABARE.

## 218 Summary of world statistics for wheat

	Area million ha	Production Mt	Use Mt	Closing stocks a		Stocks to use ratio %	Trade c Mt	Use per person kg	Price d US\$/t
				World a Mt	Exporters b Mt				
1960-61	202	241	232	82	63	35	43	77	62.00
1961-62	202	227	236	73	54	31	47	77	63.00
1962-63	206	258	248	83	55	33	43	80	64.00
1963-64	209	241	252	72	46	29	56	79	66.00
1964-65	217	276	262	86	46	33	51	81	64.00
1965-66	219	265	284	67	34	24	62	85	58.00
1966-67	219	311	286	92	35	32	56	84	66.00
1967-68	223	300	294	98	43	33	51	85	62.00
1968-69	227	332	308	122	62	40	46	87	63.00
1969-70	220	315	329	108	65	33	51	91	52.00
1970-71	210	319	342	85	51	25	54	93	60.00
1971-72	215	354	349	90	49	26	52	93	60.00
1972-73	213	348	367	71	28	19	68	96	91.00
1973-74	221	376	360	87	26	24	63	93	177.00
1974-75	223	364	368	83	30	23	63	93	164.00
1975-76	227	359	362	80	38	22	66	90	152.00
1976-77	234	425	384	121	56	32	62	93	113.00
1977-78	228	386	409	98	53	24	72	98	116.00
1978-79	230	451	429	120	56	28	72	101	141.00
1979-80	229	429	448	101	49	23	86	103	175.00
1980-81	237	445	449	97	47	22	94	101	183.00
1981-82	240	454	447	104	59	23	101	99	170.00
1982-83	239	482	465	121	70	26	96	101	160.00
1983-84	231	494	483	132	66	27	100	104	154.00
1984-85	232	513	503	147	73	29	103	105	148.00
1985-86	231	500	495	157	85	32	84	103	128.00
1986-87	229	531	529	176	83	33	90	108	110.50
1987-88	221	505	537	150	61	28	107	108	123.40
1988-89	220	500	538	116	39	22	98	106	165.75
1989-90	226	537	532	120	36	23	95	102	160.83
1990-91	230	592	562	145	55	26	92	106	117.94
1991-92	221	543	556	133	48	24	108	103	150.96
1992-93	221	562	550	145	55	26	105	101	141.33
1993-94	220	557	562	142	45	25	93	101	141.52
1994-95	215	524	549	170	31	31	92	97	156.42
1995-96	219	541	549	162	29	30	96	97	215.33
1996-97	231	582	577	168	36	29	99	99	178.50
1997-98	228	610	582	195	52	33	99	99	141.75
1998-99	225	586	579	202	54	35	99	98	119.08
1999-00	217	585	582	205	52	35	109	97	113.17
2000-01	216	582	584	203	53	35	102	96	128.50
2001-02	213	582	586	199	47	34	107	95	127.51
2002-03	212	566	600	165	43	27	107	95	160.46
2003-04	208	556	588	125	41	21	103	93	160.49
2004-05	217	629	616	138	56	22	110	95	153.87
2005-06	216	618	621	135	55	22	108	96	176.28

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

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

# 219 World wheat production, by country

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Africa</b>								
Algeria	2.3	1.4	0.8	2.0	1.5	3.0	2.7	2.4
Egypt	6.0	6.3	6.6	6.3	6.8	6.8	7.2	8.1
Morocco	4.4	2.2	1.4	3.3	3.4	5.1	5.5	3.0
South Africa	1.7	1.7	2.4	2.5	2.4	1.5	1.7	1.9
<b>Americas</b>								
Argentina	11.5	15.7	16.5	15.3	12.3	14.6	16.0	12.5
Brazil	2.2	2.4	1.7	3.2	2.9	5.9	6.0	4.9
Canada	24.1	26.9	26.8	20.6	16.2	23.6	25.9	26.8
Mexico	3.2	3.1	3.3	3.3	3.3	2.9	2.9	3.0
United States	69.3	62.5	60.8	53.0	43.7	63.8	58.7	57.3
<b>Asia</b>								
China	109.7	113.9	99.7	93.9	90.3	86.5	92.0	97.5
India	65.9	70.8	76.4	69.7	71.8	65.1	72.1	68.6
Japan	0.6	0.6	0.7	0.7	0.8	0.9	0.9	0.9
Kazakhstan	4.8	11.2	9.1	12.7	12.8	11.5	9.9	11.0
Pakistan	18.7	17.9	21.1	19.0	18.2	19.2	19.5	21.6
Uzbekistan	3.6	3.7	3.6	3.2	4.8	5.4	4.7	5.1
<b>Europe</b>								
Bulgaria	3.3	3.2	3.3	3.1	3.5	1.7	3.6	3.5
Czech Republic	3.8	4.0	4.1	4.5	3.8	2.6	5.0	4.1
European Union <sup>a</sup>	103.7	96.5	104.4	90.5	103.2	106.2	136.1	122.6
France	39.8	37.2	37.5	31.4	39.0	30.5	39.7	37.0
Germany	20.1	19.6	21.6	22.8	20.8	19.3	25.4	23.6
Italy	8.1	7.3	6.9	6.2	7.5	6.2	8.6	7.3
Spain	5.3	4.9	7.3	4.7	6.3	6.1	6.8	3.3
Sweden	2.3	1.7	2.4	2.3	2.1	2.3	2.4	2.3
United Kingdom	15.5	14.9	16.8	11.6	16.1	14.3	15.5	14.9
Hungary	4.9	2.6	3.7	5.2	3.9	2.9	6.0	5.1
Poland	9.5	9.1	8.5	9.3	9.3	7.9	9.9	8.8
Romania	4.7	4.4	4.4	7.7	4.4	2.5	7.8	7.6
Russian Federation	27.0	31.0	34.5	46.9	50.6	34.1	45.4	47.6
Serbia and Montenegro	2.9	2.1	2.3	2.5	2.2	1.4	2.8	2.1
Slovakia	1.8	1.2	1.3	1.8	1.6	0.9	1.7	1.6
Ukraine	14.9	13.6	10.2	21.0	19.8	3.6	16.5	18.7
<b>Middle East</b>								
Iran	11.0	8.0	7.0	7.5	12.5	13.5	14.0	14.5
Saudi Arabia	1.8	1.8	1.8	2.0	2.0	2.0	2.1	2.2
Syria	4.1	2.6	2.7	4.7	4.5	4.7	4.5	4.7
Turkey	18.5	16.5	17.5	15.5	17.3	18.5	18.5	18.0
<b>Oceania</b>								
Australia	21.5	24.8	22.1	24.3	10.1	26.1	21.9	25.1
<b>Total <sup>b</sup></b>	<b>585.9</b>	<b>584.7</b>	<b>582.3</b>	<b>581.7</b>	<b>566.0</b>	<b>556.0</b>	<b>629.0</b>	<b>618.0</b>

<sup>a</sup> Regarded as fifteen countries to 2002-03, then twenty five countries from 2003-04. Production totals for individual EU countries sourced from International Grains Council from 2000-01 onwards. <sup>b</sup> Includes some unspecified countries.

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



220 Volume of world wheat trade, by country <sup>a</sup>

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
<b>Imports</b>								
Africa								
Algeria	4.3	4.8	5.6	4.6	6.1	3.9	5.4	5.5
Egypt	7.5	5.9	6.1	6.9	6.4	7.3	7.9	7.7
Morocco	2.8	3.1	3.6	3.1	2.7	2.4	2.3	2.6
Nigeria	1.5	1.3	1.9	2.4	2.3	2.4	3.0	3.7
Tunisia	1.1	1.2	1.6	1.3	2.2	0.8	1.1	1.2
Americas								
Brazil	7.1	7.7	7.2	7.0	6.7	5.7	5.5	6.1
Cuba	1.0	1.1	0.0	1.1	0.8	0.7	0.8	0.8
Mexico	2.5	2.6	3.1	3.2	3.2	3.6	3.7	3.6
Peru	1.3	1.2	1.5	1.4	1.2	1.5	1.5	1.7
Venezuela	1.3	1.4	1.4	1.4	1.0	1.5	1.5	1.6
Asia								
Bangladesh	2.0	1.6	1.3	1.6	1.3	2.0	1.8	2.3
China	0.8	1.0	0.2	1.1	0.4	3.7	6.7	1.0
Chinese Taipei	1.0	1.1	1.0	1.0	1.0	1.2	1.1	1.2
India	2.2	1.4	0.4	0.0	0.0	0.0	0.0	0.1
Indonesia	3.1	3.7	4.1	3.7	4.0	4.8	4.8	4.9
Japan	5.6	6.0	5.9	5.8	5.6	5.8	5.7	5.5
Korea, Rep. of	4.7	3.8	3.1	4.0	4.1	3.4	3.6	3.9
Pakistan	3.1	2.1	0.0	0.2	0.2	0.2	1.4	1.0
Philippines	2.3	3.0	3.1	2.9	3.2	3.0	2.6	3.1
Europe								
European Union <sup>b</sup>	3.6	5.1	4.7	10.7	13.9	5.6	7.0	7.1
Russian Federation	2.5	5.1	1.6	0.6	1.0	1.0	1.2	1.1
Ukraine	0.1	0.5	0.7	0.0	0.8	3.4	0.0	0.1
Middle East								
Iran	2.3	7.2	6.3	5.3	2.1	0.2	0.2	1.0
Iraq	2.0	2.7	3.2	2.8	1.6	1.9	3.1	4.6
Turkey	1.9	1.5	0.5	1.0	1.2	1.1	0.4	0.1
Yemen	2.1	2.0	2.1	1.8	1.8	1.6	1.9	2.1
<b>Exports</b>								
Americas								
Argentina	8.6	11.6	11.3	10.1	6.1	7.4	13.1	8.0
Canada	14.7	19.2	17.3	16.3	9.2	15.6	15.4	15.5
United States	28.5	35.4	36.2	32.4	23.7	32.2	28.2	26.9
Europe								
European Union <sup>b</sup>	14.6	17.4	15.2	11.5	15.5	10.3	13.6	14.2
Russian Federation	1.4	0.6	1.1	4.6	13.0	4.0	7.9	10.5
Ukraine	4.3	2.5	0.8	5.5	6.7	0.1	4.3	6.5
Asia								
China	0.4	0.5	0.5	1.3	1.4	2.4	0.8	0.8
India	0.0	0.2	2.1	3.1	5.4	5.4	1.7	0.6
Japan	0.4	0.6	0.5	0.5	0.5	0.5	0.4	0.4
Kazakhstan	1.9	3.1	3.7	3.8	5.6	4.6	2.7	2.8
Turkey	2.6	1.9	1.6	0.7	0.8	0.7	2.1	2.8
Oceania								
Australia <sup>c</sup>	16.4	17.3	16.6	16.5	10.8	15.1	15.8	15.2
<b>Total <sup>d</sup></b>	<b>101.3</b>	<b>114.2</b>	<b>103.2</b>	<b>108.5</b>	<b>105.9</b>	<b>102.7</b>	<b>109.8</b>	<b>108.4</b>

<sup>a</sup> Local marketing years; wheat equivalent. <sup>b</sup> Regarded as fifteen countries to 2002-03, then twenty five countries from 2003-04. Excludes intra - EU trade. <sup>c</sup> Fiscal year. <sup>d</sup> Includes some unspecified countries.

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

# 221 US wheat supply and disposal <sup>a</sup>

	Unit	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05 <sup>b</sup>	2005-06 <sup>b</sup>
Area									
– planted	million ha	26.6	25.4	25.3	24.1	24.4	25.1	24.2	23.1
– harvested	million ha	23.9	21.8	21.5	19.7	18.5	21.4	20.2	20.3
Yield	t/ha	2.90	2.87	2.83	2.69	2.36	2.98	2.91	2.82
Production	Mt	69.3	62.5	60.8	53.0	43.7	63.8	58.7	57.3
Opening stocks	Mt	19.7	25.7	25.8	23.8	21.2	13.4	14.9	14.7
Imports	Mt	2.8	2.6	2.4	2.9	2.1	1.7	1.9	2.2
Availability	Mt	91.8	90.8	89.1	79.8	67.0	78.9	75.5	74.2
Domestic use	Mt	37.6	35.4	36.2	32.4	30.4	32.5	31.8	31.3
– food	Mt	24.8	25.3	25.8	25.2	25.0	24.8	24.8	24.9
– feed	Mt	10.6	7.6	8.2	5.0	3.1	5.5	5.0	4.3
– seed	Mt	2.2	2.5	2.2	2.3	2.3	2.2	2.1	2.1
Exports	Mt	28.5	29.6	28.9	26.2	23.1	31.5	29.0	27.5
Closing stocks	Mt	25.7	25.8	23.8	21.2	13.4	14.9	14.7	15.5
– Commodity Credit Corporation	Mt	3.5	2.8	2.6	2.7	1.8	1.7	1.5	1.7
– Free	Mt	22.3	23.0	21.2	18.5	11.6	12.2	12.9	14.0
Farm price	US\$/bus	2.65	2.48	2.62	2.78	3.56	3.40	3.40	3.42
Loan rate	US\$/bus	2.58	2.58	2.58	2.58	2.80	2.80	2.75	na
Export price <sup>c</sup>	US\$/t	119.08	113.17	128.50	127.51	160.46	160.49	153.87	176.28

<sup>a</sup> June–May year. <sup>b</sup> US Department of Agriculture estimate. <sup>c</sup> US hard red winter wheat (ordinary), fob Gulf; July–June average. **na** Not available.

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

# 222 Wheat export price quotations, by country and category

	Australian prime hard 14% (eastern states) US\$/t	No. 1 Canadian western red spring 12.5% (Vancouver) <sup>a</sup> US\$/t	Australian standard white (eastern states) US\$/t	US no. 2 hard red winter (Gulf) US\$/t	Argentinean bread wheat US\$/t	EU standard (Rouen) US\$/t	US no. 2 soft red winter (Gulf) US\$/t
1980-81	209.00	230.00	181.00	183.00	204.00	170.00	175.00
1981-82	185.00	201.00	165.00	170.00	178.00	150.00	148.00
1982-83	178.00	190.00	163.00	160.00	148.00	132.00	131.00
1983-84	178.00	193.00	153.83	154.00	137.00	146.00	142.00
1984-85	169.00	188.00	150.33	148.00	125.00	131.00	139.00
1985-86	159.00	180.00	132.50	128.00	102.00	111.00	125.00
1986-87	131.00	148.00	110.00	110.50	84.00	83.00	113.00
1987-88	145.00	164.00	125.11	123.40	101.00	84.00	120.00
1988-89	193.75	224.92	171.90	165.75	151.17	146.75	161.42
1989-90	183.58	193.75	167.60	160.83	138.58	142.17	152.83
1990-91	148.58	160.67	126.73	117.94	86.75	89.92	112.67
1991-92	201.50	188.42	160.25	150.96	117.67	119.00	147.08
1992-93	191.42	192.83	157.05	141.33	124.17	132.83	142.17
1993-94	240.58	222.25	153.25	141.52	117.50	95.58	133.83
1994-95	218.86	209.17	174.37	156.42	132.83	128.11	146.75
1995-96	272.03	254.83	232.39	215.33	215.92	212.30	180.17
1996-97	224.00	216.58	207.47	178.50	153.33	169.55	159.00
1997-98	203.06	197.28	167.50	141.75	134.31	133.80	130.91
1998-99	194.10	180.78	147.43	119.08	114.15	102.08	102.93
1999-00	190.17	176.33	136.44	113.17	111.17	101.18	98.83
2000-01	192.00	183.91	153.57	128.50	125.04	109.21	102.94
2001-02	185.73	166.45	157.09	127.51	116.71	110.85	116.10
2002-03	205.79	211.80	185.97	160.46	144.54	113.50	140.16
2003-04	207.79	203.39	183.56	160.49	153.50	174.23	152.45
2004-05	200.71	205.83	175.70	153.87	123.82	138.66	142.30
2005-06	222.78	216.25	194.60	176.28	138.75	132.18	142.02
<b>2005</b>							
January	205.03	212.99	180.80	157.00	106.75	143.84	144.27
February	198.93	207.28	174.57	154.00	115.75	137.18	148.10
March	207.25	206.02	181.42	158.00	127.50	134.29	158.95
April	196.95	197.51	170.91	148.00	129.40	132.71	137.46
May	193.85	199.08	172.46	149.00	133.25	128.45	135.64
June	197.40	204.83	172.75	150.00	132.75	129.11	136.54
July	195.00	199.11	171.42	149.00	143.40	128.00	133.16
August	207.90	206.22	177.45	158.00	141.75	132.00	133.53
September	217.56	216.78	187.43	169.00	136.40	124.44	139.14
October	219.48	215.66	192.15	174.00	135.75	124.96	139.22
November	214.18	214.09	187.10	166.00	134.50	126.15	133.50
December	215.29	209.18	187.81	168.14	130.20	124.09	138.54
<b>2006</b>							
January	216.03	208.92	189.14	170.56	132.75	125.77	144.45
February	227.65	216.79	199.63	184.62	137.25	134.10	153.41
March	225.24	213.47	198.79	182.38	135.00	137.20	145.74
April	233.75	225.23	203.89	185.63	136.25	136.76	141.08
May	248.88	235.52	219.37	202.78	145.75	146.91	154.64
June	252.40	234.00	222.25	205.00	156.00	145.80	147.80
July	251.50	236.75	225.58	211.00	158.50	152.50	147.50
August	241.50	223.75	216.43	201.00	161.25	165.75	147.50

<sup>a</sup> Prior to October 1994 export price quotation for no.1 Canadian western red spring wheat 13.5 per cent (Vancouver).

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

# 223 Wheat supply and disposal in major exporting countries <sup>a</sup>

	Area million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports <sup>b</sup> Mt	Closing stocks Mt
<b>United States</b> (June–May)						
2000-01	21.5	2.83	60.8	36.2	36.2	23.8
2001-02	19.7	2.69	53.0	32.4	32.4	21.2
2002-03	18.5	2.36	43.7	30.4	23.7	13.4
2003-04	21.4	2.98	63.8	32.5	32.2	14.9
2004-05	20.2	2.91	58.7	31.8	28.2	14.7
2005-06	20.3	2.82	57.3	31.3	26.9	15.5
<b>Canada</b> (August–July)						
2000-01	11.0	2.45	26.8	7.8	17.1	9.7
2001-02	10.6	1.94	20.6	7.4	16.2	6.7
2002-03	8.8	1.84	16.2	8.2	9.2	5.7
2003-04	10.5	2.25	23.6	7.5	15.7	6.1
2004-05	9.9	2.62	25.9	9.2	14.8	8.0
2005-06	9.8	2.73	26.8	9.2	15.8	9.7
<b>Argentina</b> (December–November)						
2000-01	6.4	2.58	16.5	5.0	11.5	0.6
2001-02	6.8	2.24	15.3	4.9	9.8	1.1
2002-03	5.8	2.12	12.3	5.3	6.4	1.7
2003-04	6.0	2.42	14.6	5.2	9.4	1.7
2004-05	6.1	2.62	16.0	5.3	11.4	1.0
2005-06	5.0	2.50	12.5	5.2	7.6	0.7
<b>Australia</b> (October–September)						
2000-01	12.1	1.82	22.1	4.8	16.1	4.5
2001-02	11.5	2.11	24.3	4.9	16.3	7.6
2002-03	11.2	0.91	10.1	5.7	9.1	2.9
2003-04	13.1	2.00	26.1	5.1	17.9	6.1
2004-05	13.4	1.63	21.9	5.3	14.7	8.0
2005-06	13.0	1.93	25.1	5.5	16.0	11.6
<b>European Union</b> (July–June) <sup>c</sup>						
2000-01	18.0	5.78	104.4	91.1	14.3	14.6
2001-02	16.7	5.42	90.5	90.5	10.8	12.6
2002-03	17.9	5.76	103.2	95.8	15.4	14.9
2003-04	22.1	4.81	106.2	107.5	11.6	11.7
2004-05	23.0	5.92	136.1	117.0	15.1	23.0
2005-06	22.4	5.47	122.6	119.6	15.6	17.6
<b>Total</b> <sup>cd</sup>						
2000-01	69.0	3.34	230.6	144.9	96.2	53.1
2001-02	65.4	3.12	203.7	140.1	86.2	47.3
2002-03	62.2	2.98	185.5	145.4	63.9	43.0
2003-04	73.1	3.21	234.3	157.8	85.5	41.0
2004-05	72.6	3.56	258.6	168.6	82.7	56.0
2005-06	70.5	3.47	244.3	170.8	80.5	55.0

<sup>a</sup> The marketing period in each country is shown in parentheses. <sup>b</sup> Includes wheat equivalent of flour and other wheat products. <sup>c</sup> Regarded as twenty five countries from 2003-04. Excludes intra-EU trade. EU stock figures include intervention stocks. <sup>d</sup> Simple aggregation of different crop years.

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

## 224 Summary of Australian statistics for wool

	Sheep numbers ab million	Wool production (greasy) c		Clean yield ac %	Closing stocks (at 30 June) d		Average price	
		Shorn kt	Total kt		'000 bales	kt	Eastern market	Auction
							indicator (clean) e	(greasy)
						c/kg	c/kg	
1965-66	157.6	682.0	754.2	58.6	na	na	na	110.4
1966-67	164.2	726.8	799.4	59.1	na	na	na	104.5
1967-68	166.9	728.0	802.6	58.3	na	na	na	92.0
1968-69	168.9	804.3	883.5	59.3	na	na	na	98.5
1969-70	174.3	837.4	925.8	58.9	na	na	na	82.8
1970-71	171.7	800.2	890.0	59.0	582.2	73.9	na	64.7
1971-72	155.4	778.6	881.7	59.1	185.4	26.0	na	75.3
1972-73	134.1	643.6	735.2	58.8	205.8	29.6	na	183.8
1973-74	139.5	644.3	700.9	60.3	176.5	26.0	361.2	181.2
1974-75	145.8	725.3	793.5	62.3	1 616.2	239.2	252.8	127.0
1975-76	144.1	681.4	754.3	62.5	1 326.7	197.4	271.8	143.3
1976-77	131.3	623.9	702.7	61.8	1 094.1	162.6	348.0	182.7
1977-78	127.5	605.5	677.0	62.3	896.6	137.7	354.7	187.1
1978-79	130.5	643.6	705.7	62.9	353.8	55.8	391.7	205.2
1979-80	132.7	642.4	708.5	62.9	208.5	33.2	462.0	243.6
1980-81	131.4	637.9	701.2	62.8	188.3	30.3	478.8	256.0
1981-82	135.0	661.0	717.2	63.0	509.3	81.5	501.9	264.7
1982-83	130.5	581.3	641.5	62.3	928.1	150.0	516.3	269.9
1983-84	135.1	614.8	671.2	63.2	1 233.9	207.0	540.3	293.8
1984-85	145.7	691.1	752.7	64.2	979.6	168.1	586.0	317.8
1985-86	150.4	694.2	762.1	64.3	924.3	159.1	594.9	342.1
1986-87	153.2	740.5	813.7	64.4	381.5	65.7	697.4	395.5
1987-88	156.5	771.4	842.7	64.9	9.2	1.5	1 117.4	632.7
1988-89	164.9	838.8	898.9	65.3	188.3	31.8	1 091.7	647.3
1989-90	173.8	959.8	1 030.9	65.8	3 064.7	542.0	969.2	555.3
1990-91	166.6	912.3	989.2	65.6	4 607.4	820.1	699.6	413.8
1991-92	151.0	727.5	801.2	65.1	4 068.8	724.3	592.6	358.8
1992-93	140.5	760.8	815.1	66.0	3 950.1	703.0	519.2	313.5
1993-94	132.6	775.8	828.3	65.8	4 184.3	740.0	547.0	330.1
1994-95	120.9	679.4	727.9	64.6	3 597.4	632.2	788.0	504.4
1995-96	121.1	640.9	684.9	65.7	3 226.4	573.6	658.1	386.7
1996-97	120.2	685.1	731.4	65.9	2 556.6	452.3	669.8	403.0
1997-98	117.5	639.8	689.6	65.6	2 173.1	383.7	733.2	444.3
1998-99	115.5	639.9	687.6	65.5	2 104.0	375.6	550.2	323.4
1999-00	118.6	642.3	694.5	65.6	1 476.4	263.4	627.0	357.3
2000-01	110.9	589.5	645.1	65.8	796.5	141.4	764.0	512.0
2001-02	106.2	536.9	587.2	65.7	429.8	81.0	841.0	526.7
2002-03	99.3	501.8	551.1	64.2	123.9	105.0	1 049.0	682.0
2003-04	101.3	466.3	509.5	64.2	707.7	156.3	820.0	533.0
2004-05	101.1	474.8	519.7	63.9	883.3	157.0	766.6	467.1
2005-06	100.1	456.0	509.0	64.1	896.7	157.6	713.3	435.9

**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** No official stocks of wool were held between 1951-52 and 1969-70. Australian wool held by the Australian Wool Board in 1970-71 and 1971-72, by the Australian Wool Corporation from 1972-73 to 1990-91 and by the Australian Wool Realisation Commission from 1 July 1991 to December 1993. Also includes stocks of wool held under the Price Averaging Plan in 1970-71 to 1972-73. From July 1993, includes stocks held on farms and unsold wool held in brokers' stores. **e** Wool International eastern market indicator from 1973-74 to 1994-95. Australian Wool Exchange eastern market indicator from 1995-96 onward. [Original market indicators for the period 1991-92 to 1993-94 can be calculated by dividing by 1.064. For the years between 1983-84 to 1990-91, divide by 1.114. For 1982-83 and earlier years, divide by 1.136]. **na** Not available.  
Sources: ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Livestock, Australia*, cat. no. 7203.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; National Council of Wool Selling Brokers of Australia, *Statistics*, Melbourne; Australian Wool Exchange, Melbourne; ABARE.

# 225 Australian shorn wool production, by state

	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia <sup>a</sup>
<b>Number of sheep shorn (million)</b>							
1995-96	45.69	26.33	11.42	38.20	16.23	4.10	141.97
1996-97	53.99	31.50	10.34	38.89	17.86	4.35	156.92
1997-98	43.22	39.78	10.45	35.42	18.55	4.47	151.98
1998-99	40.81	34.42	11.16	33.06	18.81	4.32	142.57
1999-00	41.67	32.91	9.67	32.95	19.16	4.22	140.57
2000-01	48.80	24.15	10.84	27.94	14.89	3.89	130.51
2001-02	42.83	27.08	8.92	25.06	14.77	3.92	122.59
2002-03	43.77	24.42	5.38	24.86	14.28	3.97	116.69
2003-04	36.34	22.49	4.50	24.51	13.71	3.52	105.08
2004-05	38.91	24.23	5.84	23.88	12.70	2.89	108.44
2005-06	35.08	21.61	6.72	25.75	12.54	2.94	104.64
<b>Average cut per head (kg greasy)</b>							
1995-96	4.59	4.39	4.21	4.35	5.22	4.05	4.51
1996-97	4.49	4.18	4.55	4.12	4.73	4.49	4.37
1997-98	4.23	3.83	4.39	4.34	4.73	3.86	4.21
1998-99	4.45	4.51	4.65	4.40	4.76	3.76	4.49
1999-00	4.59	4.65	4.72	4.34	4.79	4.20	4.57
2000-01	4.50	4.58	4.51	4.33	5.09	3.61	4.52
2001-02	4.51	4.15	4.01	4.33	4.84	4.01	4.38
2002-03	4.35	4.16	3.84	4.43	4.50	3.74	4.30
2003-04	4.49	4.17	4.12	4.51	4.84	3.93	4.44
2004-05	4.26	4.11	4.40	4.51	5.03	4.17	4.38
2005-06	4.25	4.27	4.27	4.46	4.72	4.08	4.36
<b>Shorn wool production (kt greasy)</b>							
1995-96	209.83	115.67	48.10	166.00	84.69	16.60	640.89
1996-97	242.36	131.68	47.01	160.08	84.43	19.50	685.06
1997-98	182.61	152.41	45.91	153.88	87.77	17.26	639.84
1998-99	181.71	155.11	51.88	145.52	89.45	16.23	639.90
1999-00	191.26	152.89	45.66	142.99	91.80	17.71	642.31
2000-01	219.35	110.54	48.82	120.91	75.79	14.04	589.45
2001-02	193.00	112.50	35.80	108.39	71.45	15.73	536.87
2002-03	190.48	101.47	20.68	110.04	64.30	14.83	501.79
2003-04	163.10	93.79	18.55	110.61	66.41	13.87	466.32
2004-05	165.83	99.55	25.67	107.80	63.90	12.04	474.80
2005-06	148.93	92.32	28.68	114.69	59.18	12.01	456.00
<b>Clean yield (%)</b>							
1995-96	64.40	68.38	na	62.21	62.55	70.88	65.68
1996-97	65.30	68.36	na	61.69	62.10	71.82	65.85
1997-98	65.18	67.49	63.70	62.79	62.64	71.69	65.58
1998-99	66.30	67.30	64.00	63.80	63.30	70.60	65.50
1999-00	66.70	67.40	63.70	64.10	62.50	70.70	65.60
2000-01	67.60	67.50	65.00	62.40	63.40	70.20	65.80
2001-02	67.20	67.70	65.30	61.90	63.00	71.10	65.70
2002-03	65.40	66.30	63.00	61.00	61.80	70.80	64.20
2003-04	63.90	65.80	61.60	62.90	62.70	71.00	64.20
2004-05	63.50	65.90	62.30	62.00	62.00	70.60	63.90
2005-06	63.60	65.70	61.30	63.90	61.20	70.20	64.10

<sup>a</sup> Includes the Northern Territory and the Australian Capital Territory. na Not available.

Sources: ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Shearing and Wool Production Forecast, Australia*, cat. no. 7210.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra.

## 226 Australian sheep disposal and wool production

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Sheep disposal <b>a</b>								
Opening number <b>b</b>	million	115.5	118.6	110.9	106.2	99.3	101.3	101.1
Lambs marked	million	41.7	38.2	37.7	33.9	36.3	37.7	38.5
Lambs slaughtered <b>c</b>	million	16.7	18.8	17.6	17.1	16.4	16.8	18.6
Sheep slaughtered <b>c</b>	million	15.3	16.5	15.0	14.6	10.0	11.2	11.9
Live sheep exports	million	4.9	5.9	6.4	5.8	3.8	3.2	4.2
Sheep deaths	million	1.6	4.6	3.4	3.2	4.0	6.7	4.7
Closing number <b>d</b>	million	118.6	110.9	106.2	99.3	101.3	101.1	100.1
Wool production <b>e</b>								
Number shorn	million	140.6	130.5	122.6	116.7	105.1	108.4	104.6
Cut per head	kg	4.57	4.52	4.38	4.30	4.44	4.38	4.36
Wool production (greasy)								
– shorn	kt	642.3	589.5	536.9	501.8	466.3	474.8	456.0
– on skins	kt	52.1	55.7	50.4	49.3	43.2	44.9	53.0
– total	kt	694.5	645.1	587.2	551.1	509.5	519.7	509.0
– clean yield	%	65.6	65.8	65.7	64.2	64.2	63.9	64.1

**a** April–March years to 1998-99. From 1999-00, July–June year. **b** Sheep and lambs at 1 April on enterprises with estimated value of agricultural operations (EVAO) of \$5 000 or more. From 1999-00, numbers at 1 July. **c** For human consumption only, but excludes slaughterings on farms. **d** Sheep and lambs at 31 March on enterprises with an EVAO of \$5 000 or more. From 1999-00, numbers at 30 June. **e** July–June years.

Sources: ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Shearing and Wool Production Forecast, Australia*, cat. no. 7210.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; ABARE.

## 227 Average auction prices for greasy wool in principal exporting countries

	Australia <sup>a</sup> c/kg	New Zealand <sup>a</sup> c/kg	South Africa <sup>a</sup> c/kg
1960-61	95.64	92.05	na
1961-62	99.45	89.44	na
1962-63	108.31	97.76	na
1963-64	128.04	125.71	na
1964-65	105.45	96.15	na
1965-66	110.41	95.03	na
1966-67	104.46	80.50	na
1967-68	92.04	54.55	na
1968-69	98.48	61.90	na
1969-70	82.78	56.50	na
1970-71	64.68	53.40	56.28
1971-72	75.25	66.50	58.72
1972-73	183.77	139.26	155.87
1973-74	181.16	134.62	160.89
1974-75	126.99	90.35	101.23
1975-76	143.25	131.57	129.61
1976-77	182.73	184.23	163.37
1977-78	187.14	168.94	168.30
1978-79	205.24	202.78	187.78
1979-80	243.57	233.98	226.13
1980-81	255.97	200.73	227.16
1981-82	264.69	186.10	237.21
1982-83	269.85	191.97	237.42
1983-84	293.84	214.40	261.05
1984-85	317.80	234.26	284.08
1985-86	342.06	268.17	276.08
1986-87	395.47	336.32	331.65
1987-88	632.69	404.01	553.61
1988-89	647.26	396.31	513.24
1989-90	555.30	359.80	433.02
1990-91	413.83	243.38	297.83
1991-92	358.82	237.39	321.09
1992-93	313.53	249.44	280.83
1993-94	330.08	209.09	251.87
1994-95	504.43	314.43	392.48
1995-96	386.73	327.08	316.71
1996-97	403.01	296.41	340.42
1997-98	444.30	279.58	365.88
1998-99	323.39	231.14	250.47
1999-00	357.28	205.29	313.79
2000-01	512.00	226.88	347.76
2001-02	526.67	252.05	386.18
2002-03	682.00	285.56	359.14
2003-04	533.00	212.00	383.30
2004-05	467.11	283.55	389.50
2005-06	435.88	na	na

<sup>a</sup> Annual average prices for July-June years, converted to Australian cents using average exchange rates. **na** Not available.

Sources: Australian Wool Exchange, Melbourne; New Zealand Wool Board, *Statistical Handbook*, Wellington; South African Wool Board, *Annual Report*, Pretoria; National Council of Wool Selling Brokers of Australia, *Statistics*, Melbourne; International Wool Textile Organisation, *Wool Statistics*, London.



## 228 Average world prices for synthetic fibres

	US polyester price <sup>a</sup> USc/lb	Chinese Taipei polyester price <sup>bc</sup> USc/lb	Chinese Taipei acrylic price <sup>bd</sup> USc/lb
1982-83	73.00	na	77.00
1983-84	78.00	na	79.00
1984-85	72.00	na	80.00
1985-86	64.00	na	82.00
1986-87	62.00	na	83.00
1987-88	70.00	53.54	82.80
1988-89	79.00	72.44	77.00
1989-90	88.00	61.22	72.65
1990-91	77.00	52.22	70.76
1991-92	73.00	na	77.00
1992-93	73.00	48.28	74.68
1993-94	72.00	55.08	68.06
1994-95	81.70	79.30	93.20
1995-96	88.00	76.00	88.00
1996-97	72.00	52.17	78.00
1997-98	69.00	42.00	70.00
1998-99	53.00	32.00	54.00
1999-00	54.00	42.00	57.00
2000-01	59.75	40.00	59.00
2001-02	60.25	34.00	54.00
2002-03	62.20	na	na
2003-04	60.08	na	na
2004-05	66.25	na	na
2005-06	66.58	na	na

<sup>a</sup> Reported average market price for 1.5 denier polyester staple for cotton blending, landed group B mill points fob producing plants. Simple averages of weekly prices. <sup>b</sup> Simple averages of monthly prices. <sup>c</sup> Chinese Taipei staple, 1.5 denier. <sup>d</sup> Chinese Taipei staple, 3 denier. **na** Not available.  
Sources: Osaka Senken Ltd, *JTN Weekly*, Osaka; US Department of Agriculture, *Cotton and Wool*, Situation and Outlook Report, Washington DC.

## 229 Australian wool exports, by destination, recorded trade basis

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
<b>Volume (kt greasy equivalent)</b>								
China	170	269	324	272	194	200	256	292
Chinese Taipei	53	58	40	37	27	21	21	17
Eastern Europe <b>a</b>	5	4	5	5	7	8	9	11
<b>European Union <b>b</b></b>								
Czech Republic	13	15	21	14	9	14	13	19
France	49	39	35	25	21	19	11	1
Germany	42	29	37	22	17	16	9	7
Italy	118	136	133	108	79	62	62	47
United Kingdom	12	10	8	4	3	3	2	2
Other	41	42	51	34	22	23	23	26
Total	261	255	264	194	143	123	108	84
India	35	42	44	32	25	27	30	34
Japan	36	32	25	18	12	10	6	6
Korea, Rep. of	39	49	44	49	34	10	9	8
Thailand	11	14	14	12	13	13	11	8
Turkey	15	20	23	14	11	11	5	5
United States	17	14	12	7	5	3	4	3
Other	41	42	55	44	30	48	54	33
Total	683	800	850	683	502	474	513	501
<b>Value (\$m)</b>								
China	603	925	1 360	1 451	1 423	1 175	1 382	1 481
Chinese Taipei	154	172	147	181	178	108	93	73
Eastern Europe <b>a</b>	22	14	23	26	52	45	46	54
<b>European Union <b>b</b></b>								
Czech Republic	45	47	84	70	57	69	55	81
France	174	137	166	138	149	114	53	5
Germany	152	103	150	124	119	82	41	27
Italy	478	589	761	595	546	347	342	257
United Kingdom	44	35	35	17	18	16	11	8
Other	138	124	195	170	147	118	107	111
Total	986	987	1 307	1 044	980	677	554	409
India	139	151	189	166	177	154	154	156
Japan	158	131	118	98	88	58	32	32
Korea, Rep. of	161	225	247	275	224	60	47	34
Thailand	47	65	73	75	100	80	63	45
Turkey	65	65	114	99	104	81	29	27
United States	82	61	56	34	36	18	22	20
Other	172	154	242	229	215	320	389	192
Total	2 590	2 952	3 877	3 679	3 575	2 776	2 812	2 523

**a** Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Slovak Federal Republics, Estonia, Latvia, Lithuania, Macedonia, Poland, Romania, Slovenia and Serbia. **b** Regarded as twenty five countries.

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

## 230 Volume of Australian exports of semi-processed shorn wool

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Scoured</b>								
China	4.9	4.7	7.4	5.6	5.9	4.2	1.9	2.0
India	5.7	7.5	9.2	5.8	4.1	3.6	3.1	3.0
Italy	12.4	12.6	13.0	7.5	5.2	4.7	5.8	3.0
Japan	10.0	9.4	7.4	5.6	4.3	4.3	2.4	2.5
Korea, Rep. of	5.4	6.9	6.7	6.8	2.3	1.2	0.6	0.1
Malaysia	5.4	1.1	1.4	1.6	2.1	1.4	3.1	5.2
Thailand	7.2	8.4	8.2	7.7	8.5	8.1	6.2	5.2
Total	67.1	70.8	74.7	51.5	38.9	33.3	30.7	29.8
<b>Carbonised</b>								
China	3.9	6.6	7.2	6.7	6.4	7.0	6.8	5.5
Hong Kong	2.7	2.3	2.7	1.2	0.7	0.1	0.2	0.1
Italy	5.6	5.3	5.8	3.5	1.7	2.8	3.7	2.8
Japan	2.1	2.0	2.2	2.0	1.4	1.4	0.9	0.8
Korea, Rep. of	7.3	9.2	7.4	8.5	7.1	2.9	3.9	3.9
Turkey	0.6	1.2	1.0	0.8	0.9	1.3	1.3	1.1
Total	24.5	29.8	31.3	27.1	22.4	18.7	19.0	16.0
<b>Tops and sliver</b>								
China	15.1	15.4	11.1	9.2	6.6	1.1	0.2	0.2
Chinese Taipei	2.5	2.4	0.9	0.9	0.6	0.2	0.0	0.0
Italy	8.5	8.4	12.3	12.8	8.4	1.0	0.1	0.1
Iran	1.5	1.9	2.7	1.5	0.9	0.1	0.0	0.0
Japan	3.5	3.8	3.8	2.4	1.5	0.3	0.0	0.1
Korea, Rep. of	7.0	9.3	7.8	9.5	7.2	0.7	0.0	0.0
Mexico	2.5	1.4	2.4	1.5	1.0	0.2	0.0	0.0
No country detail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	53.4	52.8	52.0	46.9	32.7	20.3	16.4	8.3
<b>Noils and waste</b>								
China	0.1	0.1	0.5	0.2	0.1	0.2	0.2	0.0
France	0.2	0.7	0.6	0.4	0.4	0.1	0.9	0.4
Germany	0.1	0.1	0.1	0.0	0.7	0.5	0.0	0.0
Italy	2.8	4.5	4.0	5.0	3.0	1.9	0.6	1.0
Japan	0.4	0.3	0.4	0.2	0.1	0.1	0.0	0.0
Korea, Rep. of	0.2	0.2	1.2	0.8	0.4	0.1	0.0	0.0
United Kingdom	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0
Total	5.8	6.9	7.9	7.3	5.3	3.5	2.1	1.5

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

# 231 World wool production, by country and type

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
	kt	kt	kt	kt	kt	kt	kt	kt
<b>Greasy</b>								
<b>Country or region</b>								
Argentina	70	63	62	63	68	79	80	na
Australia	688	694	645	587	551	509	520	509
China <b>a</b>	277	293	298	308	338	374	379	na
Eastern Europe <b>b</b>	41	na	na	na	na	na	na	na
Central Asian Republics <b>c</b>	80	94	92	92	95	97	95	na
New Zealand	252	257	237	229	228	218	231	na
Russian Federation	48	39	39	41	43	46	46	na
South Africa <b>d</b>	54	48	47	46	44	46	46	na
United Kingdom	69	56	62	49	44	43	42	na
United States	26	56	62	49	44	43	42	na
Uruguay	60	57	57	49	41	37	40	na
Other producers	576	na	na	na	na	na	na	na
World	2 379	2 312	2 240	2 160	2 139	2 132	2 159	na
<b>Clean</b>								
<b>Wool type</b>								
Merino	596	583	570	551	521	498	na	na
Crossbred	325	303	306	284	269	308	na	na
Other	479	490	485	473	437	415	na	na
World	1 400	1 376	1 361	1 308	1 227	1 221	1 228	na

**a** Includes Manchuria, Sinkiang and Tibet. **b** Albania, Bosnia and Herzegovina, Bulgaria, Czech and Slovak Federal Republics, Hungary, Serbia, Macedonia, Poland, Romania, Croatia and Slovenia. **c** Includes Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan. **d** Excluding Lesotho and Namibia. **na** Not available.

Sources: International Wool Textile Organisation, *Wool Statistics*, London; International Wool Textile Organisation, *International Wool Textile Overview*, London; Australian Wool Production Forecasting Committee; ABARE.

## 232 Volume of raw wool exports, by main producing countries <sup>a</sup>

	Australia kt	New Zealand kt	Argentina <sup>b</sup> kt	Uruguay <sup>c</sup> kt	South Africa kt	Total kt
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	872	329	85	80	83	1 448
1989-90	752	257	104	103	72	1 288
1990-91	715	254	94	107	86	1 256
1991-92	929	302	81	109	89	1 510
1992-93	867	240	81	92	66	1 346
1993-94	912	299	109	115	66	1 500
1994-95	814	291	95	68	63	1 331
1995-96	772	242	77	82	64	1 237
1996-97	860	250	83	104	20	1 316
1997-98	799	242	64	61	24	1 190
1998-99	683	211	36	59	25	1 014
1999-00	800	169	36	72	21	1 098
2000-01	850	174	36	74	21	1 155
2001-02	683	180	33	72	21	989
2002-03	502	179	31	74	20	806
2003-04	474	176	41	72	29	792
2004-05	513	148	na	na	na	na
2005-06	501	159	na	na	na	na

<sup>a</sup> Greasy equivalent. Includes raw, semiprocessed and wool on skins. For New Zealand and South Africa, does not include wool exported on skins. <sup>b</sup> October–September years to 1993-94; July–June years from 1994-95. <sup>c</sup> October–September years. **na** Not available.  
Sources: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra; Commonwealth Secretariat, *Wool Quarterly*, London; Federación Lanera Argentina, *Informe Mensual Estadístico*, Buenos Aires; New Zealand Wool Board, *Statistical Handbook*, Wellington; International Wool Textile Organisation, *International Wool Textile Overview*, London; Secretario Uruguayo de la Lana based on Banco de la Republica Oriental del Uruguay data; Ministry of Agriculture, *Situation and Outlook for New Zealand Agriculture*, Wellington; South African Wool Board, *Statistical Review of the Wool Season*, South Africa.

## 233 Market prices for Australian wool, by category <sup>a</sup>

	1998-99 c/kg	1999-00 c/kg	2000-01 c/kg	2001-02 c/kg	2002-03 c/kg	2003-04 c/kg	2004-05 c/kg	2005-06 c/kg
19 micron	896.0	1 127.7	1 315.0	1 068.0	1 206.0	966.3	951.7	888.0
20 micron	683.0	754.6	784.0	850.0	1 150.9	913.4	839.8	776.0
21 micron	556.0	556.0	637.0	826.0	1 143.0	887.8	779.1	723.0
22 micron	517.0	474.6	597.0	824.0	1 133.9	865.1	742.5	702.0
23 micron	495.0	432.6	570.0	820.0	1 119.3	841.6	715.4	689.0
24 micron	486.0	423.9	554.0	815.0	1 096.2	811.4	673.8	669.0
25 micron	470.0	408.4	521.0	790.0	1 035.7	762.7	620.8	615.0
30 micron	400.0	351.4	444.0	585.0	595.6	430.9	451.7	426.0
Eastern market indicator	550.2	627.0	764.0	841.0	1 049.0	820.0	766.6	713.3
Western market indicator	475.0	506.6	646.8	764.5	1 026.6	793.2	727.2	667.8

<sup>a</sup> Clean basis. Micron prices are averages of the Australian Wool Exchange northern and southern region indicators from 1998-99.  
Sources: Wool International, *Wool Market Weekly*, Annual Price Summary, Melbourne; Australian Wool Exchange, *Weekly Wool Market Review*, Melbourne.