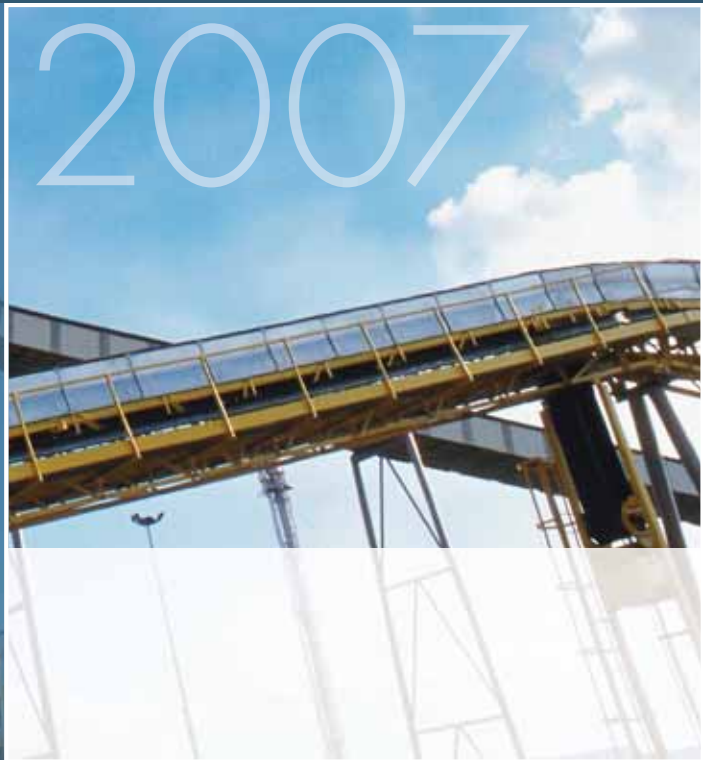




rural commodities



43 Summary of Australian statistics for coarse grains ^a

	Area '000 ha	Yield t/ha	Production		Exports ^b	
			Volume kt	Value \$m	Volume kt	Value \$m
1962-63	2 396	1.09	2 615	114	600	27
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	100
1971-72	4 492	1.29	5 782	223	3 177	137
1972-73	3 891	0.93	3 620	190	1 663	79
1973-74	3 664	1.27	4 671	347	1 742	137
1974-75	3 285	1.35	4 424	404	2 884	280
1975-76	3 868	1.44	5 575	500	3 148	307
1976-77	3 901	1.29	5 019	464	3 327	335
1977-78	4 318	0.98	4 218	347	1 939	179
1978-79	4 663	1.51	7 063	555	2 850	246
1979-80	4 199	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	1 805	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	3 693	476
1987-88	4 576	1.57	7 162	906	2 505	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	2 320	445
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	1 104
1997-98	5 388	1.88	10 102	1 601	3 398	810
1998-99	5 113	2.10	10 721	1 419	5 066	935
1999-00	4 244	2.22	9 435	1 401	4 061	866
2000-01	5 326	2.05	10 914	1 952	4 628	1 199
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	1 029
2003-04	6 815	2.29	15 630	2 562	5 782	1 345
2004-05	6 755	1.79	12 062	1 849	7 187	1 412
2005-06	6 573	2.17	14 284	2 178	5 684	1 193
2006-07	5 619	1.04	5 854	1 783	3 255	875

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

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

coarse grains

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^b
Barley								
Area								
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	1 068	856	146	1 192	1 175	8	4 447
2006-07	'000 ha	900	850	90	1 070	1 070	10	3 990
Yield								
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	2.12	2.31	1.32	2.12	2.19	3.38	2.15
2006-07	t/ha	0.61	0.60	1.06	1.54	0.84	1.70	0.93
Production								
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	2 269	1 974	192	2 532	2 569	27	9 563
2006-07	kt	550	510	95	1 650	900	17	3 722
Oats								
Area								
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	409	152	20	276	75	4	936
2006-07	'000 ha	350	150	5	205	78	6	794
Yield								
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	1.52	2.18	0.35	2.19	1.64	2.00	1.81
2006-07	t/ha	0.34	0.73	0.40	1.71	0.51	1.80	0.80
Production								
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	620	331	7	605	123	8	1 695
2006-07	kt	120	110	2	350	40	11	633

Continued

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^b
Sorghum								
Area								
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	322	0	443	2	0	0	767
2006-07	'000 ha	155	1	300	1	0	0	457
Yield								
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	2.74	2.50	2.45	1.50	0.00	0.00	2.57
2006-07	t/ha	2.25	1.00	2.00	2.00	0.00	0.00	2.08
Production								
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	881	1	1 085	3	0	0	1 970
2006-07	kt	349	1	600	2	0	0	952
Maize								
Area								
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
2006-07	'000 ha	17	1	30	2	0	0	50
Yield								
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
2006-07	t/ha	7.35	6.00	3.67	3.00	0.00	0.00	4.94
Production								
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
2006-07	kt	125	6	110	6	0	0	247

Continued

coarse grains

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia b
Triticale								
Area								
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	125	1	42	93	2	389
2005-06	'000 ha	113	112	1	29	92	2	347
2006-07	'000 ha	105	106	1	27	87	2	328
Yield								
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	1.60	1.40	1.12	0.78	3.00	1.57
2005-06	t/ha	2.34	2.11	0.71	1.44	1.34	3.97	1.95
2006-07	t/ha	1.12	0.99	0.34	0.67	0.63	1.88	0.91
Production								
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	266	237	1	42	123	8	676
2006-07	kt	118	105	0	18	55	4	300
Total coarse grains								
Area								
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	1 200	709	1 598	1 449	14	6 755
2005-06	'000 ha	1 938	1 121	657	1 501	1 342	14	6 573
2006-07	'000 ha	1 527	1 108	426	1 305	1 235	18	5 619
Yield								
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	0.76	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	1.49	2.15	1.56	1.83	3.07	1.79
2005-06	t/ha	2.18	2.27	2.23	2.12	2.10	3.07	2.17
2006-07	t/ha	0.83	0.66	1.89	1.55	0.81	1.75	1.04
Production								
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	841	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	4 219	2 549	1 468	3 188	2 815	43	14 284
2006-07	kt	1 262	732	807	2 026	995	31	5 854

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

Sources: 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 ^a	
			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	1 903	375
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	4 144	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	955
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	1 275
2005-06	4 447	2.15	9 563	1 445	5 315	1 108
2006-07	3 990	0.93	3 722	1 130	3 135	833

^a 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.

coarse grains

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	232	35
1990-91	1 043	1.47	1 530	147	214	34
1991-92	1 160	1.46	1 690	182	141	21
1992-93	1 150	1.68	1 937	209	266	40
1993-94	947	1.74	1 647	148	223	33
1994-95	897	1.03	924	166	96	18
1995-96	1 136	1.65	1 875	289	233	50
1996-97	1 052	1.57	1 653	227	124	26
1997-98	937	1.74	1 634	223	155	30
1998-99	909	1.98	1 798	157	257	38
1999-00	584	1.91	1 118	118	160	27
2000-01	651	1.61	1 050	138	97	22
2001-02	784	1.83	1 434	251	130	37
2002-03	911	1.05	957	210	178	44
2003-04	1 089	1.85	2 018	279	172	38
2004-05	894	1.43	1 282	172	165	36
2005-06	936	1.81	1 695	255	190	47
2006-07	794	0.80	633	209	62	20

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	442	54
1983-84	730	2.58	1 886	246	772	111
1984-85	723	1.89	1 369	197	1 594	242
1985-86	733	1.93	1 416	181	1 082	178
1986-87	818	1.74	1 419	162	818	91
1987-88	765	2.13	1 633	203	415	51
1988-89	625	1.99	1 244	188	290	43
1989-90	376	2.50	939	136	158	23
1990-91	376	1.99	747	99	166	25
1991-92	567	2.54	1 443	204	183	29
1992-93	426	1.28	546	87	211	34
1993-94	498	2.17	1 082	173	173	32
1994-95	687	1.85	1 272	242	111	19
1995-96	770	2.07	1 592	320	411	97
1996-97	544	2.62	1 425	257	299	70
1997-98	507	2.13	1 081	183	251	50
1998-99	587	3.22	1 891	282	76	14
1999-00	622	3.40	2 116	260	26	4
2000-01	758	2.55	1 935	279	330	59
2001-02	823	2.46	2 021	349	586	109
2002-03	667	2.20	1 465	300	70	17
2003-04	734	2.74	2 009	319	289	61
2004-05	755	2.66	2 011	270	513	96
2005-06	767	2.57	1 970	286	173	33
2006-07	457	2.08	952	259	46	13

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.

coarse grains

48 Summary of Australian statistics for maize

	Area	Yield	Production		Exports	
			Volume	Value	Volume	Value
	'000 ha	t/ha	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	23	6
1994-95	50	4.83	242	59	6	3
1995-96	56	5.59	311	69	4	2
1996-97	67	5.94	398	80	22	8
1997-98	57	4.77	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	72	5	6
2006-07	50	4.94	247	88	12	9

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	Yield	Production		Exports	
			Volume	Value	Volume	Value
	'000 ha	t/ha	kt	\$m	kt	\$m
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	120	0	0
2006-07	328	0.91	300	97	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.

coarse grains

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Sorghum								
Asia								
Chinese Taipei	7	5	8	2	9	40	26	9
Japan	1	305	491	1	221	386	86	1
Papua New Guinea	0	13	38	45	21	28	19	15
United Arab Emirates	1	1	1	2	1	2	1	1
Other	17	5	48	20	37	58	41	19
Total	26	330	586	70	289	513	173	46
(value, \$m)	4	59	109	17	61	96	33	13
Oats								
Asia								
Japan	11	19	9	8	8	8	6	4
Korea, Rep. of	4	3	1	1	1	2	2	2
Philippines	5	5	5	5	6	7	7	3
Libya	0	0	3	0	0	0	0	0
Malta	1	1	0	0	0	0	0	0
Middle East								
United Arab Emirates	3	2	2	2	4	2	2	1
Other ^a	137	68	111	161	153	147	174	52
Total	160	97	130	178	172	165	190	62
(value, \$m)	27	22	37	44	38	36	47	20

^a 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 ^a

	Area '000 ha	Production kt	Exports ^b kt	Estimated domestic disposals	
				Feed and food kt	Seed ^c kt
Barley ^d					
2001-02	3 707	8 280	5 274	2 361	174
2002-03	3 864	3 865	2 607	1 815	201
2003-04	4 477	10 382	6 999	2 268	208
2004-05	4 645	7 740	4 862	2 472	200
2005-06	4 447	9 563	5 917	2 576	180
2006-07	3 990	3 722	2 544	2 950	203
Oats					
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	1 099	45
2005-06	936	1 695	191	1 465	38
2006-07	794	633	115	465	43
Sorghum					
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	1 749	4
2005-06	767	1 970	83	1 884	2
2006-07	457	952	28	931	4
Maize					
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	10	369	1
2006-07	50	247	9	236	1
Triticale					
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
2006-07	328	300	0	282	18
Total					
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	7 845	6 607	275
2004-05	6 755	12 062	5 265	6 326	268
2005-06	6 573	14 284	6 135	6 954	237
2006-07	5 619	5 854	2 830	4 864	269

^a Crop years are November–October for barley, oats and triticale, and March–February for sorghum and maize. ^b Exports may include carryover from earlier harvests. ^c Estimated using the following seeding rates for grain crops: sorghum 5 kg/ha; barley 45 kg/ha; maize 15 kg/ha; oats 48 kg/ha; triticale 50 kg/ha. ^d Malt use is expressed as barley equivalent = malt x 1.2. Approximately 1000 tonnes of 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.

coarse grains

52 Australian feedgrains prices

	Barley ^a \$/t	Oats ^b \$/t	Sorghum ^c \$/t	Maize ^c \$/t	Feed wheat ^c \$/t	Triticale ^c \$/t
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
2006-07	294.75	367.17	271.75	338.25	289.39	297.08
2006						
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
September	238.00	225.00	220.00	235.00	243.75	228.00
October	318.00	348.00	298.00	315.00	317.50	303.00
November	330.00	428.00	301.00	335.00	328.75	333.00
December	321.00	460.00	312.00	363.00	323.33	348.00
2007						
January	349.00	460.00	308.00	394.00	320.50	350.00
February	328.00	470.00	298.00	383.00	314.75	330.00
March	308.00	465.00	281.00	385.00	301.25	310.00
April	311.00	433.00	278.00	368.00	292.40	313.00
May	319.00	394.00	282.00	400.00	294.00	320.00
June	330.00	328.00	293.00	429.00	299.50	325.00
July	324.00	315.00	304.00	430.00	311.25	330.00
August	329.00	315.00	301.00	422.00	316.40	321.00

^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 ^a		Stocks to use ratio %	Trade ^b Mt	Use per person kg	Price ^c 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	104	144	86.6
2001-02	301	894.1	904.3	195.6	45	22	102	146	90.1
2002-03	293	875.3	901.1	169.9	31	19	102	144	107.3
2003-04	307	915.9	943.4	140.3	29	15	104	149	115.0
2004-05	300	1 016.0	977.7	177.8	59	18	101	152	97.5
2005-06	301	977.4	988.8	163.7	23	17	107	152	103.9
2006-07	303	980.2	1 005.7	134.7	18	13	115	153	150.8

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

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

coarse grains

54 World coarse grains production, by region and country

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Africa								
Egypt	6.6	6.6	7.1	7.1	6.8	6.9	7.0	7.0
Nigeria	18.6	17.9	18.8	19.1	20.3	23.2	24.7	26.0
South Africa	11.9	8.4	10.5	10.1	10.4	12.2	7.3	7.1
Americas								
Argentina	21.7	19.6	18.7	19.4	18.6	24.9	19.2	27.5
Brazil	33.0	43.1	36.8	47.1	44.9	37.8	44.2	53.2
Canada	26.8	24.0	22.6	19.9	25.8	25.6	25.0	23.1
Mexico	26.2	24.4	27.2	26.5	30.3	28.9	25.8	28.7
United States	263.0	273.1	261.7	243.7	275.1	319.4	298.8	280.1
Asia								
China	137.2	114.0	122.2	130.7	124.0	138.3	147.7	153.6
India	30.5	31.6	34.7	25.7	37.4	33.6	34.0	34.2
Thailand	4.1	4.8	4.6	4.4	4.2	4.3	4.3	4.4
Turkey	9.2	10.2	9.5	10.0	10.0	11.0	11.9	11.1
Europe								
European Union a	147.9	139.9	150.4	148.3	131.7	166.5	146.7	138.7
France	27.4	28.0	28.7	30.1	24.2	30.3	26.5	25.4
Germany	24.9	23.7	27.1	22.7	20.1	25.3	22.2	21.0
Italy	11.7	12.1	12.0	12.4	9.8	12.6	12.5	11.0
Spain	11.0	14.8	11.5	13.4	13.6	16.1	8.6	12.1
Romania	11.9	6.2	11.1	9.9	7.9	16.6	11.8	9.6
Russian Federation	21.8	28.2	35.2	33.4	30.5	29.6	27.6	30.2
Ukraine	10.6	13.0	17.0	17.1	15.6	23.0	18.1	19.2
Oceania								
Australia	9.4	10.9	13.0	6.9	15.6	12.1	14.2	6.8
Other	87.1	86.4	93.0	96.0	106.8	102.2	109.1	119.7
Total b	877.6	862.3	894.1	875.3	915.9	1 016.0	977.4	980.2

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

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

55 World coarse grains production, by grain

	Corn Mt	Barley Mt	Sorghum Mt	Oats Mt	Total ^a 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	607.6	132.9	53.8	26.0	862.3
2001-02	590.7	152.3	58.3	27.0	894.1
2002-03	600.1	134.8	52.8	25.6	875.3
2003-04	627.2	142.5	58.3	26.3	915.9
2004-05	714.7	153.0	57.5	25.7	1 016.0
2005-06	696.2	136.6	58.4	23.9	977.4
2006-07	703.4	136.9	57.4	23.0	980.2

^a Includes rye, millet and mixed grain.

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

coarse grains

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Africa								
Algeria	1.8	1.9	2.0	1.7	1.9	2.0	2.2	2.6
Egypt	4.6	5.3	5.0	4.9	3.8	5.4	4.4	4.7
Americas								
Brazil	2.0	0.6	0.6	1.1	0.5	0.7	1.4	1.1
Colombia	2.1	2.0	2.1	2.4	2.2	2.5	3.4	3.7
Mexico	10.0	11.2	9.0	8.8	8.9	9.0	9.9	11.0
Asia								
China	2.3	2.4	2.0	1.8	1.5	2.1	2.3	1.4
Chinese Taipei	5.2	5.2	4.9	4.8	5.1	4.8	4.7	4.6
Japan	20.4	20.2	19.9	20.3	20.0	19.7	19.8	19.7
Korea, Rep. of	9.3	8.9	8.8	8.9	9.0	8.7	8.5	9.1
Malaysia	2.3	2.6	2.4	2.4	2.4	2.4	2.5	2.6
Europe								
European Union ^a	2.9	4.1	3.9	4.4	8.2	3.0	2.8	8.1
Russian Federation	2.2	0.8	0.7	0.4	1.0	0.7	0.5	0.4
Middle East								
Iran	2.0	2.2	1.9	2.2	2.1	3.7	3.4	3.6
Saudi Arabia	6.3	6.9	7.1	8.5	8.4	6.9	8.5	7.3
Turkey	1.5	0.7	1.3	1.5	1.3	0.4	0.1	1.2
Total ^b	99.5	101.8	99.2	100.4	100.6	100.4	104.4	111.0
Exports								
Africa								
South Africa	1.5	1.3	1.1	1.1	0.8	2.2	0.6	0.5
Asia								
China	10.0	7.3	8.6	15.3	7.7	7.6	3.8	5.3
Americas								
Argentina	12.9	10.3	11.4	11.9	11.3	15.2	10.0	17.2
Brazil	0.2	6.3	2.1	4.7	4.8	0.7	4.5	9.5
Canada	3.6	3.7	2.5	1.7	3.6	2.8	4.1	3.6
United States	56.3	9.3	6.7	7.6	4.2	4.9	4.4	4.9
Europe								
European Union ^a	13.4	9.3	6.7	7.6	4.2	4.9	4.4	4.9
Oceania								
Australia	4.2	5.2	5.9	2.8	7.8	5.3	6.2	2.7
Total ^b	107.2	104.1	102.0	102.1	103.6	100.9	107.1	114.6

^a Regarded as twenty seven countries. ^b Includes some unspecified countries.

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

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Canada	1.0	2.7	4.0	3.9	2.0	2.4	1.9	2.1
China	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Chinese Taipei	5.0	4.9	4.7	4.7	5.0	4.5	4.5	4.4
Colombia	2.0	1.9	1.9	2.1	2.0	2.3	3.2	3.5
European Union ^b	2.4	3.7	2.2	2.8	5.9	2.5	2.6	7.1
Indonesia	1.2	1.3	1.1	1.6	1.4	0.5	1.4	1.2
Japan	16.1	16.3	16.4	16.9	16.8	16.5	16.6	16.7
Korea, Rep. of	8.7	8.7	8.6	8.8	8.8	8.6	8.5	9.0
Malaysia	2.3	2.6	2.4	2.4	2.4	2.4	2.5	2.6
Mexico	4.9	6.0	4.1	5.3	5.7	5.9	6.8	8.8
Saudi Arabia	1.5	1.4	1.3	1.4	1.6	1.2	1.5	1.3
Total ^c	71.7	75.4	72.5	75.1	76.5	76.7	79.4	88.8
Exports								
Argentina	11.9	9.7	10.9	11.2	10.9	14.6	9.5	15.8
Brazil	0.2	6.3	2.1	4.6	4.4	0.7	4.5	9.5
China	9.9	7.3	8.6	15.2	7.6	7.6	3.7	5.2
South Africa	1.4	1.3	1.1	1.1	0.7	2.1	0.5	0.5
United States	49.2	49.3	48.4	40.3	48.3	46.2	54.2	54.0
Other	3.1	3.0	3.6	4.2	5.3	6.4	8.5	6.3
Total	75.8	76.8	74.6	76.7	77.3	77.6	80.9	91.3

^a Marketing years of individual countries. ^b Regarded as twenty seven countries. Excludes intra-EU trade. ^c Includes some unspecified countries.
Source: US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

58 Volume of world barley trade, by region and country

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
China	2.2	2.3	1.9	1.8	1.5	2.0	2.2	1.3
European Union ^a	0.2	0.4	1.4	1.1	0.7	0.3	0.1	0.3
Japan	1.6	1.5	1.4	1.4	1.4	1.5	1.4	1.4
Russian Federation	0.8	0.4	0.2	0.3	0.4	0.3	0.2	0.2
Saudi Arabia	4.8	5.5	5.8	7.1	6.8	5.7	7.1	6.0
Total ^b	16.3	16.3	16.6	16.5	15.0	15.9	17.3	14.9
Exports								
Australia	3.3	4.6	5.3	2.6	7.0	4.9	5.9	2.5
Canada	1.7	2.0	1.1	0.4	1.8	1.2	2.3	1.2
European Union ^a	9.7	7.2	4.2	5.2	2.6	3.3	3.3	3.7
United States	0.6	1.3	0.6	0.7	0.4	0.5	0.6	0.4
Total ^b	16.4	16.7	17.3	16.2	16.4	15.1	18.2	15.3

^a Regarded as twenty seven countries. Excludes intra-EU trade. ^b Includes some unspecified countries.
Sources: ABS, *International Trade*, Australia, cat. no. 5465.0, Canberra; US Department of Agriculture, *Production, Supply and Distribution Database*, Washington DC.

coarse grains

59 Volume of world sorghum trade, by country

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Chinese Taipei	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
European Union a	0.3	0.0	0.0	0.0	1.6	0.2	0.1	0.7
Israel	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Japan	2.2	2.0	1.8	1.6	1.4	1.4	1.4	1.4
Mexico	4.9	5.0	4.8	3.4	3.0	2.9	3.0	2.1
Total b	8.2	7.6	7.0	5.5	6.5	5.3	5.2	4.7
Exports								
Argentina	0.9	0.4	0.4	0.6	0.2	0.4	0.2	1.0
Australia	0.9	0.6	0.4	0.1	0.6	0.2	0.1	0.1
United States	6.5	6.0	6.1	4.7	5.0	4.7	4.9	4.0
Total b	8.5	7.3	7.1	5.7	6.5	5.4	5.4	5.3

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

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

60 US coarse grains supply and disposal

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Area	million ha	35.0	35.6	33.9	33.5	34.8	34.9	34.9	32.5
Yield	t/ha	7.5	7.7	7.7	7.3	7.9	9.2	8.6	8.6
Production	Mt	263.0	273.1	261.7	243.7	275.1	319.4	298.8	280.1
Opening stocks	Mt	51.4	48.9	52.7	45.0	30.9	28.8	58.8	54.8
Imports	Mt	2.8	2.7	2.6	2.6	2.4	2.2	2.1	2.5
Availability	Mt	317.1	324.7	317.0	291.3	308.5	350.4	359.6	337.4
Domestic use	Mt	211.9	215.4	216.8	214.7	225.9	240.3	245.0	242.8
- feed	Mt	157.2	160.1	159.6	150.0	155.8	165.9	163.3	148.4
- food, seed	Mt	54.7	55.3	57.2	64.7	70.1	74.4	81.7	94.4
Exports	Mt	56.3	56.6	55.1	45.7	53.8	51.4	59.8	58.4
Closing stocks	Mt	48.9	52.6	45.1	30.9	28.8	58.8	54.8	36.2
- CCC a	Mt	0.4	0.2	0.2	0.1	0.0	0.0	0.0	0.0
- free	Mt	48.5	52.4	44.9	30.8	28.8	58.8	54.7	36.2

a Commodity Credit Corporation.

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

61 US corn supply and disposal ^a

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Area									
- planted	million ha	31.3	32.2	30.7	31.9	31.8	32.7	33.1	31.9
- harvested	million ha	28.5	29.3	27.8	28.1	28.7	29.8	30.4	28.6
Yield	t/ha	8.40	8.60	8.68	8.11	8.93	10.06	9.29	9.36
Production	Mt	239.5	251.9	241.4	227.8	256.3	299.9	282.3	267.6
Opening stocks	Mt	45.4	43.6	48.2	40.6	27.6	24.3	53.7	50.0
Imports	Mt	0.4	0.2	0.3	0.4	0.4	0.3	0.2	0.3
Availability	Mt	285.3	295.7	289.9	268.7	284.2	324.5	336.2	317.9
Domestic use	Mt	192.5	198.1	201.0	200.7	211.6	224.6	232.0	230.7
- feed	Mt	143.9	148.4	149.0	141.3	147.2	156.4	156.3	142.2
- food, seed	Mt	48.6	49.7	52.0	59.4	64.4	68.2	75.7	88.5
Exports	Mt	49.2	49.3	48.4	40.3	48.3	46.2	54.2	54.0
Closing stocks	Mt	43.6	48.2	40.6	27.6	24.3	53.7	50.0	33.1
- CCC ^b	Mt	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0
- free	Mt	43.3	48.0	40.4	27.5	24.3	53.7	50.0	33.1
Farm price	US\$/bus	1.82	1.85	1.97	2.32	2.42	2.06	2.00	3.04
Loan rate	US\$/bus	1.89	1.89	1.89	1.98	1.98	1.95	na	na
Export price ^c	US\$/t	89.9	86.6	90.1	107.3	115.0	97.5	103.9	150.8

^a September–August crop years. ^b Commodity Credit Corporation. ^c 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.

coarse grains

62 US sorghum and barley supply and disposal

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Sorghum a									
Area harvested	million ha	3.5	3.1	3.5	2.9	3.2	2.6	2.3	2.0
Yield	t/ha	4.4	3.8	3.8	3.2	3.3	4.4	4.3	3.6
Production	Mt	15.1	12.0	13.1	9.2	10.4	11.5	10.0	7.1
Opening stocks	Mt	1.7	1.7	1.1	1.5	1.1	0.9	1.4	1.7
Availability	Mt	16.8	13.6	14.1	10.7	11.5	12.4	11.4	8.7
Domestic use	Mt	8.6	6.5	6.4	4.9	5.6	6.3	4.8	3.9
Exports	Mt	6.5	6.0	6.1	4.7	5.0	4.7	4.9	4.0
Closing stocks	Mt	1.7	1.1	1.5	1.1	0.9	1.4	1.7	0.8
Farm price	US\$/bus	1.6	1.9	1.9	2.3	2.4	1.8	1.9	3.3
Loan rate	US\$/bus	1.7	1.7	1.7	2.0	2.0	2.0	na	na
Export price b	US\$/t	88.6	95.6	99.9	120.7	127.9	108.8	119.8	170.2
Barley c									
Area harvested	million ha	1.9	2.1	1.7	1.7	1.9	1.6	1.3	1.2
Yield	t/ha	3.1	3.3	3.1	3.0	3.2	3.7	3.5	3.3
Production	Mt	5.9	6.9	5.4	4.9	6.1	6.1	4.6	3.9
Opening stocks	Mt	3.1	2.4	2.3	2.0	1.5	2.6	2.8	2.4
Imports	Mt	0.6	0.6	0.5	0.4	0.4	0.3	0.1	0.3
Availability	Mt	9.6	10.0	8.2	7.3	8.0	9.0	7.5	6.5
Domestic use	Mt	6.6	6.4	5.7	5.2	5.0	5.7	4.6	4.6
Exports	Mt	0.6	1.3	0.6	0.7	0.4	0.5	0.6	0.4
Closing stocks	Mt	2.4	2.3	2.0	1.5	2.6	2.8	2.4	1.5
Farm price	US\$/bus	2.1	2.1	2.2	2.7	2.8	2.5	2.5	2.9
Loan rate	US\$/bus	1.6	1.6	1.7	1.9	1.9	1.9	na	na
Export price d	US\$/t	105.3	110.6	111.6	128.5	132.3	114.8	123.0	190.1

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 quotation, by category

	US no. 2 hard red winter wheat (Gulf) ^a US\$/t	US no. 2 yellow corn (Gulf) ^a US\$/t	US no. 2 sorghum (Gulf) ^a US\$/t	US no. 2 barley (Portland) ^b US\$/t
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
2006-07	211.9	150.8	170.2	190.1
2006				
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
September	207.8	120.4	137.3	157.0
October	220.3	142.3	176.4	204.0
November	217.3	164.1	193.9	202.0
December	214.0	161.1	189.6	215.0
2007				
January	207.8	165.5	188.3	211.0
February	210.0	177.6	201.1	210.0
March	208.4	170.5	187.9	213.0
April	211.3	153.2	161.0	198.8
May	202.5	160.5	168.0	194.0
June	231.8	165.5	173.0	215.0
July	253.8	147.5	169.0	225.0
August	278.2	151.5	171.7	252.0

^a Export price, fob Gulf ports. ^b 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.

coarse grains

64 Coarse grains supply and disposal in major exporting countries

	Area harvested million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports Mt	Closing stocks Mt
United States (September–August)						
2000-01	33.0	4.24	139.9	215.4	9.3	52.6
2001-02	33.7	4.46	150.4	216.8	6.7	45.1
2002-03	32.7	4.54	148.3	214.7	7.6	30.9
2003-04	32.6	4.04	131.7	225.9	4.2	28.8
2004-05	33.5	4.97	166.5	240.3	4.9	58.8
2005-06	32.6	4.50	146.7	245.0	4.4	22.6
2006-07	31.9	4.35	138.7	146.5	4.9	18.0
Canada (August–July) ^a						
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	7.3	3.53	25.8	23.3	3.6	4.1
2004-05	6.4	4.00	25.6	23.0	2.8	6.3
2005-06	6.2	4.03	25.0	22.9	4.1	6.3
2006-07	6.1	3.79	23.1	24.3	3.6	3.7
Argentina (March–February)						
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	3.5	5.49	19.2	9.4	10.0	1.5
2006-07	4.1	6.71	27.5	10.1	17.2	1.7
Australia (November–October)						
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	2.3
2004-05	6.8	1.79	12.1	6.6	5.3	2.3
2005-06	6.6	2.17	14.3	7.2	6.2	3.2
2006-07	5.6	1.04	5.9	5.1	2.7	1.0
European Union (July–June) ^b						
2000-01	33.0	4.24	139.9	139.3	9.3	18.2
2001-02	33.7	4.46	150.4	143.6	6.7	22.3
2002-03	32.7	4.54	148.3	144.9	7.6	22.5
2003-04	32.6	4.04	131.7	145.2	4.2	13.0
2004-05	33.5	4.97	166.5	152.6	4.9	25.0
2005-06	32.6	4.50	146.7	147.5	4.4	22.6
2006-07	31.9	4.35	138.7	146.5	4.9	18.0
World						
2000-01	296.7	2.91	862.3	882.1	104.1	209.3
2001-02	301.4	2.97	894.1	904.3	102.0	195.6
2002-03	293.3	2.98	875.3	901.5	102.1	169.9
2003-04	307.1	2.98	915.9	943.4	103.6	140.3
2004-05	300.2	3.38	1 016.0	977.7	100.9	177.8
2005-06	301.0	3.25	977.4	988.8	107.1	163.7
2006-07	303.3	3.23	980.2	1 005.7	114.6	134.7

^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 ^a

	Area harvested			Lint yield		
	New South Wales '000 ha	Queensland '000 ha	Australia ^b '000 ha	New South Wales t/ha	Queensland t/ha	Australia ^b t/ha
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
2006-07	108.7	34.9	143.6	2.023	1.556	1.910

^a August–July crop years. ^b Includes data for Western Australia. **na** Not available.

Sources: ABS, *Agriculture, Australia*, cat. no. 71 13.0, 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.

66 Australian cottonseed and lint production ^a

	Cottonseed production			Lint production		
	New South Wales kt	Queensland kt	Australia ^b kt	New South Wales kt	Queensland kt	Australia ^b 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
2006-07	311.1	76.7	387.8	220.0	54.3	274.2

^a August–July crop year. ^b Includes data for Western Australia. **na** Not available.

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

67 Australian production, trade and use of raw cotton

	Domestic	Gross	Imports		Exports	
	lint production ^a kt	value of production ^b \$m	Volume kt	Value \$m	Volume kt	Value \$m
1960-61	2.6	1.8	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	12.5	9.1	4.7	na	na
1967-68	29.0	19.7	12.3	6.9	na	na
1968-69	30.4	21.0	5.7	3.8	3.7	1.9
1969-70	24.7	19.1	4.7	3.0	11.5	5.1
1970-71	15.9	13.3	7.0	4.3	7.4	3.4
1971-72	39.8	30.1	8.9	5.8	2.4	1.6
1972-73	28.4	32.6	3.8	2.7	22.3	11.3
1973-74	28.4	26.6	8.4	9.3	3.2	1.8
1974-75	32.9	29.3	4.0	4.8	7.7	5.4
1975-76	24.9	37.5	4.1	4.4	16.0	11.5
1976-77	28.0	39.8	5.0	7.4	5.5	7.1
1977-78	44.2	61.2	4.0	5.6	9.8	10.9
1978-79	53.1	71.4	1.7	3.1	23.6	28.5
1979-80	83.2	135.3	2.0	4.0	48.5	66.9
1980-81	98.9	147.2	2.2	4.3	59.0	92.0
1981-82	134.6	182.0	1.0	1.9	79.0	117.0
1982-83	100.8	167.5	0.7	1.3	129.0	198.0
1983-84	141.3	268.7	1.1	2.4	82.0	148.0
1984-85	248.7	330.2	2.7	6.0	140.0	262.0
1985-86	267.3	324.9	0.5	1.4	241.0	380.0
1986-87	221.6	372.1	0.3	0.6	251.0	345.0
1987-88	269.0	421.6	0.3	0.7	176.0	353.0
1988-89	293.0	536.9	1.1	2.9	288.3	464.1
1989-90	305.3	639.5	0.1	0.3	306.0	579.8
1990-91	447.0	898.0	0.7	2.2	339.7	737.7
1991-92	554.5	878.9	0.7	1.8	458.1	945.0
1992-93	409.3	706.3	0.3	1.3	396.0	755.5
1993-94	367.5	652.2	0.3	1.4	360.5	732.0
1994-95	375.0	851.2	0.2	1.2	296.8	678.7
1995-96	421.2	1 002.8	0.7	2.0	311.4	762.3
1996-97	610.1	1 342.0	0.2	0.6	505.0	1 076.9
1997-98	665.7	1 449.2	0.2	1.0	593.4	1 385.6
1998-99	715.6	1 394.7	0.2	1.0	646.7	1 559.0
1999-00	740.5	1 568.3	0.4	1.4	703.0	1 406.6
2000-01	819.0	1 881.9	0.4	1.6	834.3	1 958.3
2001-02	703.3	1 499.4	0.4	1.0	718.5	1 547.4
2002-03	387.1	844.0	0.3	1.0	596.2	1 153.2
2003-04	349.1	689.1	0.1	0.5	459.0	982.2
2004-05	645.1	1 222.0	0.3	0.7	410.2	770.9
2005-06	597.1	1 104.8	0.0	0.0	650.2	1 137.4
2006-07	274.2	471.2	0.0	0.1	486.5	823.4

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

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

cotton

68 Volume of Australian exports of raw cotton, by destination

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Asia	657.7	778.6	674.8	559.9	444.6	395.8	642.6	481.2
China	5.4	11.4	13.1	29.6	79.9	61.8	284.6	163.0
Chinese Taipei	26.7	31.6	21.5	13.6	2.7	3.9	8.7	4.4
India	41.8	66.1	55.0	6.8	2.2	3.5	1.3	4.2
Indonesia	182.9	220.3	193.9	184.2	147.0	130.0	141.4	126.4
Japan	138.9	139.6	120.9	94.0	52.2	45.2	34.9	36.3
Korea, Rep. of	53.0	75.3	94.0	96.3	56.4	63.6	53.7	53.8
Pakistan	48.8	39.6	29.1	14.9	33.2	13.3	8.2	6.8
Philippines	12.2	11.6	5.1	3.3	0.7	0.2	1.3	0.0
Thailand	95.0	114.5	90.1	86.9	58.6	64.8	93.1	75.0
Other	53.0	68.8	52.1	30.2	11.7	9.7	15.4	11.5
Europe	41.1	49.3	41.3	31.5	11.9	10.2	6.9	4.7
Germany	0.8	0.0	0.0	0.2	0.2	0.1	0.0	0.0
Italy	22.4	29.2	24.3	17.3	6.6	8.1	6.6	4.4
Spain	3.0	2.6	2.9	2.9	2.9	2.0	0.0	0.0
Other	14.9	17.5	14.1	11.0	2.2	0.1	0.3	0.3
United States	0.1	0.4	0.0	1.2	0.5	0.3	0.0	0.0
Other countries	4.2	6.5	2.4	4.8	2.5	4.2	0.8	0.7
Total	703.0	834.3	718.5	596.2	459.0	410.2	650.2	486.5

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

69 Cotton prices and unit values

	Cotlook 'A' index ^a USc/lb	Australian base price for raw cotton ^b Ac/kg	Average unit export return for raw cotton Ac/kg
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	161.0
1989-90	82.4	247.7	189.5
1990-91	82.9	249.5	217.1
1991-92	63.1	198.4	206.3
1992-93	57.7	197.6	190.8
1993-94	70.6	234.4	203.0
1994-95	91.1	286.5	228.7
1995-96	85.5	262.7	244.8
1996-97	78.6	235.0	213.2
1997-98	72.2	248.6	233.5
1998-99	60.2	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	229.2	214.0
2004-05	52.4	170.1	187.9
2005-06	56.0	178.9	174.9
2006-07	58.1	176.1	169.2

^a Cotlook 'A' index quotes (cif Northern Europe) for strict middling (SM) 1 1/16" cotton from 1972-73 to July 1981, and for SM 1 3/32" cotton from August 1981. August-July crop year. ^b Equivalent to 'in store' prices - that is, Cotlook prices in USc/lb to which freight differentials have been added, then converted to Australian currency, with 'into store' charges added finally. Prices approximate import parity prices. **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 ^a

	Opening stocks kt	Production kt	Total supply kt	Consumption kt	Imports ^b kt	Price ^c US\$/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	5 447	18 997	31 109	18 681	6 666	82.9
1991-92	5 984	20 774	33 085	18 870	6 327	63.1
1992-93	8 057	17 943	31 897	18 834	5 898	57.7
1993-94	7 509	16 927	30 530	18 681	6 093	70.6
1994-95	6 037	18 803	31 443	18 352	6 603	91.1
1995-96	6 952	20 447	33 285	18 584	5 885	85.5
1996-97	8 737	19 626	34 593	19 005	6 230	78.6
1997-98	9 737	20 107	35 496	18 898	5 652	72.2
1998-99	10 773	18 763	34 873	18 235	5 337	60.2
1999-00	11 510	19 164	36 773	19 719	6 099	52.5
2000-01	11 125	19 418	36 260	19 793	5 717	57.2
2001-02	10 743	21 526	38 657	20 387	6 388	41.8
2002-03	11 936	19 281	37 781	21 272	6 564	55.4
2003-04	9 899	20 787	38 100	21 199	7 415	68.3
2004-05	9 658	26 633	43 579	23 484	7 289	52.4
2005-06	12 466	25 664	47 785	24 911	9 655	56.0
2006-07	13 071	26 620	47 806	26 412	8 114	58.1

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

	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	573	717	1 989	1 638	3 376	4 507	18 997
1991-92	34 786	597	667	2 023	2 177	3 835	5 683	20 774
1992-93	32 642	550	420	2 346	1 540	3 531	4 507	17 943
1993-94	30 710	551	483	2 134	1 368	3 513	3 745	16 927
1994-95	32 238	583	537	2 427	1 361	4 281	4 333	18 803
1995-96	35 968	568	410	2 885	1 785	3 897	4 768	20 447
1996-97	33 731	582	306	3 030	1 594	4 124	4 202	19 626
1997-98	33 779	595	412	2 686	1 562	4 092	4 594	20 107
1998-99	32 870	571	521	2 805	1 372	3 030	4 507	18 763
1999-00	32 229	595	700	2 652	1 872	3 694	3 832	19 164
2000-01	32 002	607	939	2 380	1 785	3 742	4 420	19 418
2001-02	33 738	638	766	2 678	1 807	4 421	5 313	21 526
2002-03	30 477	633	848	2 311	1 738	3 752	4 927	19 281
2003-04	32 133	647	1 311	3 052	1 710	3 980	4 861	20 787
2004-05	35 798	744	1 286	4 142	2 428	5 069	6 758	26 633
2005-06	34 883	736	1 025	4 153	2 216	5 208	6 431	25 664
2006-07	34 730	766	1 526	4 752	2 158	4 706	7 739	26 620

^a 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.

cotton

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Africa	1 150	1 049	1 105	1 271	1 376	1 396	1 521	1 270
Sub-saharan Africa	1 057	968	1 015	1 119	1 289	1 254	1 418	1 161
Burkina	113	113	142	158	207	213	305	294
America	1 651	1 716	2 671	2 775	3 348	3 613	4 501	3 222
United States	1 472	1 469	2 398	2 594	2 999	3 147	3 933	2 834
South America	148	228	251	165	320	433	511	348
Brazil	3	69	147	107	210	339	430	283
Australia	703	834	719	596	459	410	650	487
Greece	235	310	218	251	267	255	294	273
Mali	196	125	202	185	256	207	223	185
Uzbekistan	916	752	763	741	676	861	1 046	981
Other	1 078	938	657	791	861	886	1 568	1 824
Total	5 929	5 724	6 335	6 610	7 243	7 628	9 803	8 242

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

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

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Asia	2 754	2 762	3 233	3 509	4 645	4 472	6 975	5 297
Bangladesh	169	218	262	349	371	403	483	523
China	26	50	98	682	1 925	1 392	4 204	2 308
Chinese Taipei	313	227	334	266	220	291	247	253
Indonesia	453	578	514	486	469	480	480	480
Korea	332	310	352	325	278	293	220	233
Pakistan	104	102	189	190	393	383	352	501
Thailand	370	343	410	424	366	497	412	425
Turkey	526	383	649	494	517	744	741	872
Other Asia	987	934	1 074	787	623	733	577	574
European Union ^b	1 109	1 086	1 017	904	725	701	527	470
Mexico	395	407	450	508	405	395	380	283
Middle East	556	410	682	540	567	788	780	965
Russian Federation	349	360	392	360	322	316	311	311
Other	936	692	615	744	751	617	682	788
Total	6 099	5 717	6 388	6 564	7 415	7 289	9 655	8 114

^a August-July crop year. Does not include cotton in transit. ^b Regarded as twenty five countries.

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

74 Summary of Australian statistics for dairy products

	Dairy cow numbers ^a '000	Milk yield per cow L	Production			Export price ^c	
			Milk ^b ML	Butter kt	Cheese kt	Butter \$/t	Cheese \$/t
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	2 905	5 430	84	151	1 595	1 545
1980-81	1 819	2 882	5 243	79	135	1 875	1 926
1981-82	1 810	2 910	5 268	76	153	2 714	2 158
1982-83	1 792	3 083	5 524	88	158	2 412	2 444
1983-84	1 809	3 274	5 923	111	161	1 871	2 611
1984-85	1 809	3 338	6 038	114	160	1 617	2 433
1985-86	1 770	3 411	6 038	105	170	1 592	2 515
1986-87	1 757	3 598	6 172	104	177	1 758	2 645
1987-88	1 714	3 657	6 129	98	176	1 634	2 735
1988-89	1 709	3 781	6 289	101	191	1 970	2 993
1989-90	1 698	3 789	6 262	104	175	2 420	3 462
1990-91	1 682	3 910	6 403	106	179	1 968	3 204
1991-92	1 699	4 074	6 732	114	198	2 177	3 318
1992-93	1 716	4 317	7 325	133	211	2 241	3 695
1993-94	1 786	4 523	8 079	149	233	2 197	3 753
1994-95	1 821	4 506	8 206	141	237	2 076	3 452
1995-96	1 884	4 627	8 718	154	268	2 993	3 882
1996-97	1 977	4 571	9 036	158	285	2 001	3 705
1997-98	2 060	4 582	9 439	163	310	2 264	3 956
1998-99	2 155	4 723	10 178	189	328	2 510	3 969
1999-00	2 171	4 996	10 847	182	373	2 124	3 671
2000-01	2 176	4 847	10 547	172	376	2 419	4 343
2001-02	2 123	5 309	11 271	178	412	2 417	4 738
2002-03	2 050	5 038	10 328	164	379	2 014	3 846
2003-04	2 038	4 944	10 076	149	384	2 187	3 486
2004-05	1 942	5 215	10 127	147	388	2 713	3 851
2005-06	1 881	5 395	10 089	146	373	2 723	4 146
2006-07	1 800	5 324	9 583	133	364	2 212	3 884

^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 Fob.

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.

dairy products

75 Value of Australian exports of dairy products, by destination

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Cheese								
Japan	\$m	338.8	429.5	272.0	299.6	378.9	298.5	337.9
Philippines	\$m	18.6	20.0	15.7	11.1	18.4	13.7	13.1
Saudi Arabia	\$m	123.6	148.2	98.9	69.0	81.5	103.5	86.7
United Kingdom	\$m	38.7	21.5	15.2	18.3	20.5	20.1	14.8
United States	\$m	39.1	48.3	36.1	33.9	45.4	54.2	53.1
Other	\$m	392.2	367.3	362.4	307.4	332.0	347.2	319.0
Total	\$m	951.0	1 034.8	800.3	739.2	876.7	837.2	824.6
Butter and butterfat ^a								
Egypt	\$m	34.6	23.5	18.9	6.4	10.5	12.5	13.9
Malaysia	\$m	14.7	14.4	12.7	13.5	11.6	15.8	11.0
Philippines	\$m	8.6	5.1	3.7	1.9	2.8	5.4	3.2
Singapore	\$m	16.7	20.4	15.5	18.2	16.8	21.1	14.4
Thailand	\$m	19.8	23.0	13.2	12.7	13.5	12.0	9.8
Other	\$m	196.6	211.1	160.0	130.1	133.2	157.9	126.2
Total	\$m	291.0	297.5	224.0	182.9	188.5	224.7	178.6
Skim milk powder								
Japan	\$m	48.9	53.7	29.6	13.3	10.6	12.5	11.1
Malaysia	\$m	87.4	88.4	51.4	52.7	64.2	77.1	72.2
Philippines	\$m	181.4	143.5	71.8	60.1	49.4	72.0	46.1
Singapore	\$m	51.8	52.8	38.4	42.4	57.8	56.1	67.1
Thailand	\$m	67.2	69.1	33.2	20.0	21.7	76.8	51.1
Other	\$m	257.8	290.5	184.1	199.0	216.4	234.3	257.3
Total	\$m	694.5	698.0	408.5	387.5	420.1	528.9	505.0
Casein								
Japan	\$m	19.9	26.7	20.6	23.3	23.1	30.4	31.8
United States	\$m	56.7	80.5	81.4	68.8	56.6	27.3	32.4
Other	\$m	23.4	15.5	26.4	30.5	36.5	31.3	49.3
Total	\$m	100.1	122.6	128.4	122.5	116.2	89.0	113.5
Wholemilk powder								
Malaysia	\$m	26.9	39.2	22.3	28.9	33.1	23.8	14.5
Singapore	\$m	31.7	29.7	25.2	21.4	30.9	44.6	41.4
Taiwan	\$m	54.9	54.1	44.9	40.0	31.5	22.8	13.5
Thailand	\$m	24.9	22.6	14.0	12.0	8.6	10.5	12.3
Other	\$m	441.8	425.5	273.4	219.6	220.3	231.9	193.1
Total	\$m	580.2	571.1	379.8	321.8	324.4	333.6	274.9
Other products								
Fresh milk	\$m	82.1	98.2	98.2	104.0	108.8	107.3	96.3
Other fresh products	\$m	12.7	7.9	5.6	9.6	9.1	6.3	11.8
Condensed milk	\$m	111.5	123.7	133.3	121.0	139.8	147.5	156.9
Other powders	\$m	227.8	277.3	274.4	257.3	248.3	241.5	211.0
Total	\$m	434.0	507.0	511.5	492.0	506.0	502.6	476.0

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

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

76 Volume of Australian exports of dairy products, by destination

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Cheese								
Japan	kt	84.6	103.3	73.2	92.4	106.5	81.0	95.8
Philippines	kt	5.5	5.2	4.9	3.7	5.1	3.4	3.3
Saudi Arabia	kt	16.3	17.4	14.8	14.9	17.0	20.7	18.1
United Kingdom	kt	9.8	4.3	4.3	5.0	5.1	5.1	4.4
United States	kt	9.4	10.8	9.0	10.3	11.9	11.7	13.8
Other	kt	93.4	77.3	101.9	85.8	82.0	80.0	76.9
Total	kt	219.0	218.4	208.1	212.1	227.7	201.9	212.3
Butter and butterfat ^a								
Egypt	kt	15.5	12.1	10.5	3.6	4.4	4.8	7.4
Malaysia	kt	6.0	5.2	4.7	4.7	3.4	4.8	4.4
Philippines	kt	4.0	2.4	2.1	1.0	1.1	2.1	1.6
Singapore	kt	6.3	8.0	6.5	7.0	7.1	8.1	6.9
Thailand	kt	8.9	9.8	7.7	6.5	5.5	4.6	5.1
Other	kt	75.8	81.8	74.4	59.0	46.7	55.0	53.1
Total	kt	120.3	123.1	111.2	83.6	69.5	82.5	80.7
Skim milk powder								
Japan	kt	20.2	18.3	16.4	7.6	3.9	4.1	2.0
Malaysia	kt	25.9	25.3	22.9	22.1	22.0	25.7	24.3
Philippines	kt	51.1	41.4	30.8	24.3	17.7	26.0	15.9
Singapore	kt	15.1	16.4	17.8	17.5	20.8	21.1	23.0
Thailand	kt	18.2	21.8	14.9	7.9	8.3	26.8	17.9
Other	kt	72.2	87.0	79.2	76.4	68.1	77.6	81.3
Total	kt	202.7	210.2	181.9	155.7	140.8	181.2	164.5
Casein								
Japan	kt	1.9	2.2	2.1	2.6	2.1	2.5	2.5
United States	kt	5.9	8.9	13.2	10.5	6.5	2.6	3.4
Other	kt	3.3	2.0	5.2	5.0	4.2	3.2	5.7
Total	kt	11.1	13.1	20.5	18.2	12.8	8.3	11.7
Wholemilk powder								
Chinese Taipei	kt	14.4	13.2	13.3	11.5	9.2	7.4	4.6
Malaysia	kt	7.9	10.3	6.8	11.1	11.0	7.9	4.6
Singapore	kt	9.6	9.8	12.3	8.8	10.6	15.1	13.7
Thailand	kt	7.8	6.4	5.8	4.8	2.9	3.6	4.3
Other	kt	127.8	125.6	103.5	80.9	71.0	76.4	67.2
Total	kt	167.5	165.3	141.7	117.1	104.8	110.3	94.4
Other products								
Fresh milk	ML	83.1	86.9	88.3	85.7	86.7	86.1	81.8
Other fresh products	ML	3.1	1.4	1.5	2.5	2.5	1.8	2.1
Condensed milk	kt	62.6	71.5	102.3	100.2	102.6	94.8	83.0
Other powders	kt	54.2	67.5	74.3	70.7	68.9	68.6	61.7

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

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

dairy products

77 Australian dairy cow numbers, by state ^a

	New South Wales '000	Victoria '000	Queensland '000	Western Australia '000	South Australia '000	Tasmania '000	Australia ^b '000
1965	719	1 187	689	113	159	143	3 214
1966	675	1 192	627	109	155	148	3 094
1967	668	1 211	599	103	149	149	3 061
1968	645	1 200	556	100	139	152	2 963
1969	604	1 209	497	97	139	153	2 866
1970	568	1 245	460	101	138	155	2 829
1971	527	1 244	441	96	138	153	2 745
1972	491	1 257	420	97	145	155	2 693
1973	465	1 274	390	98	141	155	2 647
1974	418	1 244	341	95	132	140	2 492
1975	387	1 269	329	91	135	144	2 477
1976	384	1 258	330	93	135	143	2 467
1977	373	1 167	312	84	120	128	2 279
1978	341	1 125	287	74	112	118	2 056
1979	320	1 047	265	72	105	110	1 921
1980	308	1 037	247	72	102	103	1 869
1981	289	1 024	236	71	100	99	1 819
1982	283	1 024	235	70	99	100	1 810
1983	293	998	234	69	98	98	1 792
1984	285	1 021	234	69	101	99	1 809
1985	274	1 036	229	69	102	98	1 809
1986	264	1 016	224	68	102	96	1 770
1987	270	997	223	67	102	96	1 757
1988	260	977	218	65	100	94	1 714
1989	258	990	210	64	94	92	1 709
1990	245	995	208	65	90	93	1 698
1991	230	1 000	199	66	89	97	1 682
1992	222	1 026	188	68	90	103	1 699
1993	222	1 033	189	70	93	107	1 716
1994	232	1 085	189	74	94	113	1 786
1995	230	1 113	189	73	97	119	1 821
1996	235	1 161	189	71	97	130	1 884
1997	245	1 229	194	71	101	137	1 977
1998	266	1 268	203	73	107	143	2 060
1999	282	1 340	196	65	117	154	2 155
2000	289	1 377	194	65	105	139	2 171
2001	270	1 360	187	72	132	155	2 176
2002	264	1 363	174	75	110	134	2 123
2003	250	1 303	159	77	117	142	2 050
2004	236	1 322	169	74	106	127	2 038
2005	240	1 319	139	62	93	132	1 942
2006	219	1 213	135	71	104	138	1 881
2007	na	na	na	na	na	na	1 800 ^s

^a Cows in milk and dry at 31 March on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 or more. From 2000, at 30 June. House cows and heifers are included before 1977-78, but excluded thereafter. Before 1986-87, includes livestock holdings on establishments with an EVAO of \$2 500 or more. ^b Includes data for the Australian Capital Territory and the Northern Territory. ^s ABARE estimate.

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

78 Australian production of wholemilk, by state ^a

	New South Wales ML	Victoria ML	Queensland ML	Western Australia ML	South Australia ML	Tasmania ML	Australia ^b ML
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	985	3 518	691	240	398	434	6 248
1976-77	944	3 203	613	209	353	421	5 772
1977-78	875	3 013	537	212	316	381	5 621
1978-79	906	3 283	570	213	332	365	5 669
1979-80	907	3 151	506	222	329	315	5 430
1980-81	840	3 065	516	214	319	289	5 243
1981-82	874	3 028	557	209	306	294	5 268
1982-83	905	3 164	572	221	340	322	5 524
1983-84	940	3 400	629	232	382	340	5 923
1984-85	940	3 516	621	243	372	346	6 038
1985-86	904	3 575	600	243	365	351	6 038
1986-87	902	3 692	604	248	374	352	6 172
1987-88	931	3 649	614	251	378	306	6 129
1988-89	919	3 793	627	245	371	334	6 289
1989-90	879	3 787	629	267	356	343	6 262
1990-91	858	3 908	626	282	366	363	6 403
1991-92	894	4 119	635	302	411	372	6 732
1992-93	997	4 456	702	321	436	413	7 325
1993-94	1 099	4 968	764	345	456	447	8 079
1994-95	1 087	5 114	740	343	485	437	8 206
1995-96	1 118	5 482	751	341	512	514	8 718
1996-97	1 192	5 634	797	349	535	529	9 036
1997-98	1 242	5 866	822	387	580	543	9 439
1998-99	1 286	6 414	827	403	646	603	10 178
1999-00	1 395	6 870	848	412	713	609	10 847
2000-01	1 326	6 784	760	389	699	590	10 547
2001-02	1 343	7 405	744	392	715	671	11 271
2002-03	1 301	6 584	720	404	733	585	10 328
2003-04	1 271	6 434	674	404	703	590	10 076
2004-05	1 218	6 613	619	398	679	600	10 127
2005-06	1 197	6 651	597	377	646	622	10 089
2006-07	1 105	6 297	534	349	655	642	9 583

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

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

dairy products

79 Australian manufacture of dairy products

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Butter a	181.6	172.3	178.4	163.7	148.9	146.7	145.8	133.1
Cheese	373.3	376.5	412.1	379.0	383.8	388.4	372.9	363.8
Non-cheddar	158.6	161.4	191.7	166.1	176.0	192.6	181.2	184.7
Cheddar	214.8	215.0	220.3	212.8	207.8	195.9	191.7	179.1
Wholemilk powder	186.7	205.4	238.7	198.3	186.9	189.2	158.2	135.4
Skim milk powder b	236.3	244.4	239.5	196.6	182.1	189.1	205.5	191.5
Casein	9.0	8.0	13.9	13.1	14.0	13.0	12.2	7.7
Buttermilk powder	17.8	15.8	18.0	16.6	16.6	16.7	15.9	13.5

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	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Total consumption								
Butter	kt	57.2	63.6	66.4	67.1	70.0	76.8	78.3
Margarine (table)	kt	82.7	82.8 s	84.0	82.9	84.0	88.9	90.7
Cheese a	kt	211.5	229.5	226.6	238.9	230.1	228.3	232.9
Australian	kt	179.5	192.9	188.7	195.4	189.7	186.2	190.1
Wholemilk powder	kt	14.9	14.0	21.5	21.7	24.0	22.2	22.7
Skim milk powder b	kt	36.8	36.9	37.1	37.5	38.0	38.4	39.2
Casein	kt	0.5	0.5	0.7	0.8	0.8	2.0	2.0
Market milk	ML	1 933	1 934	1 924	1 942	1 981	2 024	2 066
Consumption per person								
Butter	kg	3.0	3.3	3.4	3.4	3.5	3.8	3.8
Margarine (table)	kg	4.3	4.3	4.3	4.2	4.2	4.4	4.4
Cheese a	kg	11.1	11.9	11.6	12.1	11.5	11.2	10.9
Australian	kg	9.4	10.0	9.7	9.9	9.5	9.2	8.8
Wholemilk powder	kg	0.8	0.7	1.1	1.1	1.2	1.1	1.1
Skim milk powder b	kg	1.9	1.9	1.9	1.9	1.9	1.9	2.3
Market milk	L	101.5	100.3	98.5	98.3	99.0	98.3	97.1

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 ^a			Gross value of production		
	Manufacturing	Market	Weighted	Manufacturing	Market	Total
	milk	milk	average	milk	milk	
	c/L	c/L	c/L	\$m	\$m	\$m
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 ^b	40.9	23.5	1 099	726	1 825
1991-92	19.7	43.2	24.5	1 188	772	1 960
1992-93	24.4	43.5	29.0	1 522	793	2 314
1993-94	23.0	46.2	28.2	1 620	829	2 448
1994-95	22.2	47.8	27.9	1 511	908	2 419
1995-96	26.0	49.9	31.1	1 898	951	2 848
1996-97	24.0	51.1	29.6	1 830	979	2 809
1997-98	23.9	52.0	29.4	1 839	979	2 817
1998-99	22.5	51.5	28.5	1 905	995	2 900
1999-00	22.0	52.3	26.2	1 961	1 011	2 972
2000-01	na ^c	na ^c	29.0	2 496	558	3 053
2001-02	na ^c	na ^c	33.0	3 093	625	3 717
2002-03	na ^c	na ^c	27.1	2 274	521	2 795
2003-04	na ^c	na ^c	27.9	2 253	555	2 809
2004-05	na ^c	na ^c	31.5	2 552	642	3 194
2005-06	na ^c	na ^c	33.1	2 658	684	3 343
2006-07	na ^c	na ^c	33.2	2 464	717	3 181

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

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

dairy products

82 Average retail prices of selected dairy products, by quarter

	Milk ^a		Cheese ^b		Butter ^c	
	Sydney c/L	Melbourne c/L	Sydney c/kg	Melbourne c/kg	Sydney c/kg	Melbourne c/kg
1999						
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
2000						
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
2001						
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
2002						
March	145	154	820	780	458	436
June	147	153	740	738	480	472
September	147	153	752	758	466	478
December	154	156	762	770	472	456
2003						
March	155	156	770	782	484	476
June	157	156	742	726	464	468
September	155	157	708	698	500	484
December	156	157	724	746	492	480
2004						
March	156	158	818	798	520	504
June	157	159	796	792	504	504
September	128	134	850	788	532	528
December	137	149	822	810	536	548
2005						
March	141	152	816	820	568	604
June	143	155	806	856	588	624
September	144	156	854	852	604	652
December	148	157	852	832	608	676
2006						
March	148	158	854	874	624	672
June	149	160	866	858	640	688
September	156	160	874	908	632	696
December	161	162	866	892	656	716
2007						
March	163	162	982	970	672	716
June	165	163	970	956	700	728

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

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

83 Average export unit values of Australian dairy products ^a

	Butter ^b \$/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	2 992.75	2 245.09	2 650.20	6 344.84
1989-90	2 420.46	3 462.09	2 340.58	2 852.26	5 703.54
1990-91	1 967.87	3 204.17	1 784.00	2 192.11	4 178.64
1991-92	2 177.05	3 317.66	1 952.91	2 431.63	4 819.89
1992-93	2 240.51	3 694.80	2 553.90	2 918.19	6 880.64
1993-94	2 196.58	3 752.68	2 233.00	2 603.15	13 941.39
1994-95	2 076.27	3 451.78	2 292.74	2 471.17	6 876.40
1995-96	2 992.82	3 882.47	2 844.71	3 141.29	8 563.52
1996-97	2 000.87	3 705.04	2 462.28	2 778.01	6 027.01
1997-98	2 263.69	3 956.28	2 494.38	2 882.43	4 997.45
1998-99	2 509.74	3 969.39	2 254.12	2 883.28	5 274.02
1999-00	2 123.52	3 670.74	2 191.46	2 629.24	6 022.37
2000-01	2 418.57	4 343.32	3 426.21	3 464.29	9 039.84
2001-02	2 417.18	4 738.03	3 320.26	3 454.24	9 355.96
2002-03	2 013.96	3 845.91	2 245.51	2 681.04	6 258.23
2003-04	2 186.55	3 485.80	2 488.89	2 748.10	6 734.69
2004-05	2 712.77	3 850.71	2 984.40	3 094.32	9 059.20
2005-06	2 722.54	4 145.83	2 918.12	3 023.95	10 738.97
2006-07	2 212.04	3 883.92	3 070.12	2 911.62	9 711.89

^a Fob. ^b 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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Volume	kt	kt	kt	kt	kt	kt	kt
Processed							
Cheddar	4.50	7.83	11.72	11.75	13.35	14.25	13.29
Emmenthaler	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gruyere	0.08	0.02	0.00	0.00	0.00	0.00	0.00
Other	8.87	3.29	0.45	0.31	0.20	0.40	0.35
Natural							
Blue vein	0.76	0.83	1.09	1.14	1.09	1.09	1.39
Camembert	0.36	0.21	0.19	0.25	0.25	0.21	0.26
Cheddar	13.47	15.91	19.24	18.09	18.83	22.88	26.45
Colby	1.47	1.79	1.89	2.00	1.72	2.09	2.15
Edam	0.75	1.00	0.94	1.05	0.97	0.86	1.21
Emmenthaler	0.18	0.15	0.00	0.00	0.00	0.00	0.00
Fetta	1.32	1.79	2.07	2.32	2.83	3.30	2.78
Gouda	0.44	0.59	0.36	0.77	0.39	0.50	1.24
Kasseri	0.12	0.14	0.15	0.12	0.12	0.10	0.13
Mozzarella	2.81	2.13	2.88	0.69	0.72	2.64	1.80
Parmesan	0.87	1.32	1.58	1.31	0.93	1.38	1.46
Provolone	0.34	0.31	0.26	0.35	0.38	0.39	0.41
Other	0.19	0.55	0.75	0.26	0.24	0.71	0.76
Total	36.54	37.87	43.57	40.41	42.02	50.80	53.68
Unit value	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg	\$/kg
Processed							
Cheddar	3.83	3.89	3.45	3.57	4.16	4.30	4.15
Emmenthaler	7.84	0.00	0.00	0.00	0.00	0.00	0.00
Gruyere	7.63	7.41	0.00	0.00	0.00	0.00	0.00
Other	4.04	4.68	8.69	10.02	13.01	8.08	8.82
Natural							
Blue vein	10.21	11.13	11.04	10.41	11.46	11.78	11.34
Camembert	9.64	10.07	10.62	9.87	10.53	10.35	10.35
Cheddar	3.26	3.76	3.05	2.97	3.61	3.78	3.43
Colby	3.59	3.76	3.22	2.98	4.11	4.28	3.96
Edam	4.31	4.61	4.34	4.08	4.82	5.05	4.28
Emmenthaler	7.03	7.33	0.00	0.00	0.00	0.00	0.00
Fetta	6.43	5.50	5.65	5.50	5.42	5.01	6.00
Gouda	4.71	4.37	5.80	4.26	6.11	5.81	4.11
Kasseri	9.02	7.99	9.51	9.19	9.56	9.12	10.04
Mozzarella	3.53	3.72	3.50	3.15	3.35	3.86	3.50
Parmesan	9.62	8.53	7.33	9.76	10.85	8.69	7.76
Provolone	8.64	9.20	9.62	9.13	9.13	9.07	9.30
Other	6.46	5.16	4.26	7.41	7.73	4.72	5.26
Average	4.46	4.77	4.31	4.32	4.90	4.82	4.69

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

85 Summary of world statistics for dairy products

	Production			Consumption		Exports ^a	
	Milk Mt	Butter kt	Cheese kt	Butter kt	Cheese kt	Butter kt	Cheese kt
1967	328	5 309	4 962	5 087	4 811	741	681
1968	333	5 388	5 065	5 103	4 999	744	724
1969	335	5 161	5 233	5 016	5 238	727	718
1970	336	5 162	5 686	5 100	5 679	948	775
1971	338	5 142	6 049	5 109	5 949	788	821
1972	346	5 480	6 480	5 138	6 296	675	836
1973	353	5 593	6 676	5 585	6 590	1 080	933
1974	360	5 564	6 987	5 469	6 732	958	995
1975	361	5 748	6 763	5 600	6 612	895	1 019
1976	366	6 027	7 298	5 674	6 978	994	1 161
1977	376	6 207	7 382	5 837	7 167	1 001	1 203
1978	381	6 230	7 692	5 743	7 487	1 027	1 233
1979	386	6 256	8 079	5 977	7 765	1 233	1 343
1980	390	6 291	8 342	5 982	7 972	1 355	1 358
1981	389	6 075	8 381	5 776	8 004	1 343	1 428
1982	405	6 375	8 811	5 721	8 426	1 312	1 484
1983	421	6 918	9 168	6 066	8 769	1 197	1 504
1984	424	6 857	9 581	6 219	9 313	1 337	1 703
1985	430	6 929	9 962	6 443	9 645	1 400	1 721
1986	438	7 217	10 295	6 568	10 064	1 310	1 734
1987	435	6 737	10 599	6 963	10 374	1 820	1 770
1988	436	6 604	10 717	7 070	10 385	2 090	1 786
1989	438	6 747	10 975	6 404	10 692	1 769	1 785
1990	441	6 797	11 025	6 382	10 744	1 368	1 838
1991	428	6 306	11 068	5 893	10 677	1 410	1 926
1992 ^b	424	6 056	11 218	5 875	10 823	1 442	2 036
1993	394	5 657	11 093	5 286	10 729	1 422	2 242
1994	384	5 348	11 240	5 188	10 950	1 320	2 338
1995	381	5 218	11 346	4 966	11 037	1 233	2 467
1996	380	5 136	11 705	4 844	11 325	1 131	2 582
1997	370	5 171	11 100	4 931	11 061	749	943
1998	374	5 397	11 378	5 083	11 190	627	907
1999	380	5 653	12 016	5 251	11 845	618	912
2000	387	5 814	12 499	5 404	12 173	718	1 068
2001	391	6 145	12 602	5 770	12 416	745	1 086
2002	402	6 565	13 019	6 062	12 711	747	1 157
2003	406	6 613	13 014	6 205	12 847	867	1 181
2004	412	6 625	13 538	6 250	13 298	905	1 241
2005	418	6 725	14 002	6 333	13 781	797	1 250
2006	424	7 046	14 178	6 724	13 984	765	1 202

^a Includes intra-EU trade up to and including 1993. ^b For years up to and including 1991, includes data for 38 selected major countries; from 1992, includes data for 31 major countries.

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

dairy products

86 Milk production in selected regions and countries

	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt
Americas							
Canada	8 161	8 106	7 964	7 734	7 905	7 806	7 773
United States	75 929	74 994	77 140	77 290	77 534	80 254	82 462
Asia							
India	36 250	36 400	36 200	36 500	37 500	37 520	38 750
Europe	178 792	181 426	183 550	183 647	182 130	182 952	na
European Union a	129 392	130 069	131 040	131 847	130 620	131 652	130 400
Oceania	23 407	24 026	25 533	24 982	25 377	24 929	25 595
Australia b	11 172	10 864	11 608	10 636	10 377	10 429	10 395
New Zealand c	12 235	13 162	13 925	14 346	15 000	14 500	15 200
Total d	386 769	391 409	402 266	406 378	412 336	418 152	423 874

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

87 Production of dairy products in selected regions and countries

	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt	2006 kt
Butter								
Australia abc	189	182	172	178	164	149	147	146
Europe								
Russian Federation	260	265	270	280	280	270	275	290
European Union d	2 039	1 995	2 021	2 226	2 226	2 154	2 140	2 055
Japan e	86	88	80	83	80	80	84	80
New Zealand bcf	316	344	352	380	405	418	340	390
United States	579	570	559	615	564	565	611	657
Total	5 653	5 814	6 145	6 565	6 613	6 625	6 725	7 046
Cheese								
Australia a	328	373	376	412	379	384	388	373
Europe								
Russian Federation	185	220	260	340	335	350	375	405
European Union d	5 711	5 861	5 865	5 993	6 100	6 371	6 480	6 580
Japan f	35	34	34	36	35	35	39	39
New Zealand g	245	297	281	312	301	305	297	285
United States	3 581	3 746	3 747	3 877	3 882	4 025	4 150	4 325
Total	12 016	12 499	12 602	13 019	13 014	13 538	14 002	14 178
Skim milk powder								
Australia a	249	236	244	239	197	182	189	205
Europe								
Russian Federation	130	125	130	140	145	125	110	110
European Union d	1 325	1 322	1 215	1 369	1 326	1 066	1 065	975
Japan	192	194	175	183	183	183	187	181
New Zealand g	203	197	227	255	289	274	225	247
United States	617	659	641	724	721	641	695	686
Total	3 309	3 402	3 405	3 679	3 658	3 306	3 300	3 285

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, *Production, Supply and Distribution Database*, Washington DC; ABARE.

88 Volume of exports of dairy products, by selected countries

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Butter								
Australia ab	117	137	120	123	111	84	69	83
Brazil	0	0	3	0	0	1	1	2
Canada	11	10	16	17	12	17	20	18
India	1	2	2	3	2	2	7	10
European Union c								
Net exports	189	185	196	222	307	354	345	254
New Zealand ab	279	338	347	353	399	400	316	365
Russian Federation	3	3	3	5	5	5	5	5
Ukraine	8	31	53	15	18	42	24	18
United States	2	4	0	3	12	9	9	11
Cheese								
Argentina	20	22	18	26	23	31	52	55
Australia a	175	220	219	218	208	212	228	202
European Union c								
Net exports	408	483	485	516	514	516	492	529
New Zealand ab	240	253	251	277	290	289	265	260
Ukraine	6	12	31	37	61	94	116	50
United States	38	47	53	54	52	61	58	71
Skim milk powder								
Australia a	221	218	203	210	182	156	141	181
Canada	41	32	46	49	36	16	6	11
European Union c								
Net exports	372	453	284	267	339	283	194	88
India	2	5	8	10	23	10	40	55
New Zealand ad	205	175	195	248	314	305	221	243
Russian Federation	0	48	15	20	25	20	15	15
Ukraine	15	49	71	43	51	63	57	65
United States	217	142	96	126	141	231	277	287

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, *Production, Supply and Distribution Database*, Washington DC; ABARE.

dairy products

89 Volume of imports of dairy products, by selected countries

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Butter								
Canada	6	15	26	19	20	28	24	22
Egypt	43	49	45	50	47	28	41	45
European Union ^a	98	88	93	92	92	93	82	84
Japan	0	0	0	4	13	7	6	4
Mexico	34	34	35	37	40	53	51	49
Russian Federation	55	60	110	120	160	170	110	115
United States	18	15	34	16	15	23	16	17
Cheese								
European Union ^a	128	134	142	116	127	106	95	101
Japan	187	205	202	204	194	219	212	207
Korea, Rep. of	21	30	34	31	36	41	44	45
Mexico	44	54	66	65	78	82	89	86
Russian Federation	60	60	140	130	175	190	250	230
United States	195	186	198	214	216	209	204	203
Skim milk powder								
European Union ^a	36	64	48	30	56	26	7	19
Indonesia	58	95	98	110	120	125	135	140
Japan	57	52	53	44	43	37	34	32
Mexico	123	129	141	132	129	141	155	111
Philippines	87	108	89	100	110	120	87	90

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

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

90 Stocks of dairy products in principal producing countries

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Butter								
Australia ^a	21	14	6	2	2	8	14	10
Canada	14	15	20	13	13	15	20	17
European Union ^b	115	136	151	248	276	232	185	122
New Zealand ^c	93	72	50	51	31	23	46	46
United States	11	11	25	72	45	20	27	49
Total	344	325	317	453	423	342	335	277
Cheese								
Australia ^a	77	65	58	73	55	51	25	15
Canada	42	46	49	52	59	59	62	64
European Union ^b	0	0	0	0	0	0	0	0
New Zealand ^c	13	34	43	51	36	26	46	46
United States	282	322	301	332	324	322	344	371
Total	511	559	553	604	559	518	536	555
Skim milk powder								
Australia ^a	19	2	18	16	7	5	39	38
Canada	6	17	19	8	23	41	38	31
European Union ^b	209	51	45	188	218	77	8	0
New Zealand ^c	54	71	98	100	70	35	35	35
United States	113	288	408	521	445	232	83	49
Total	576	637	807	1 041	949	563	365	283

^a Year ending 30 June. ^b Regarded as fifteen countries to 1999, then twenty five countries from 2000. ^c Year ending 31 May.

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

91 Major components of Australian farm costs

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Materials and services								
Fuel	1 060	1 107	1 091	1 120	1 188	1 236	1 360	1 230
Fertiliser	1 024	1 065	1 244	1 378	1 651	1 760	1 805	1 906
Chemicals	924	993	1 059	1 139	1 349	1 480	1 497	1 576
Seed and fodder	2 600	2 396	2 437	3 131	2 928	2 801	2 948	2 974
Marketing	2 059	2 268	2 306	1 955	2 519	2 923	2 726	2 901
Repairs and maintenance	1 522	1 580	1 706	1 768	1 920	2 003	2 011	2 154
Other	2 606	2 591	2 828	3 064	2 937	2 954	2 920	2 916
Total	11 795	12 000	12 671	13 555	14 492	15 157	15 266	15 657
Other costs								
Wages	2 230	2 284	2 445	2 667	2 738	2 983	2 976	3 133
Interest paid	2 220	1 838	1 695	2 069	2 182	2 180	1 976	1 917
Other overheads	276	303	337	344	356	360	360	364
Total	4 726	4 425	4 477	5 080	5 276	5 523	5 313	5 414
Total cash costs	16 521	16 425	17 148	18 635	19 769	20 680	20 579	21 071
Depreciation	2 871	2 915	3 039	3 073	3 144	3 230	3 306	3 439
Total farm costs	19 392	19 340	20 187	21 708	22 913	23 910	23 885	24 511
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07 ^s
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Materials and services								
Fuel	1 450	1 671	1 580	1 520	1 702	1 765	2 203	2 191
Fertiliser	1 840	1 920	1 980	1 820	1 827	1 851	1 747	1 572
Chemicals	1 604	1 664	1 760	1 550	1 649	1 691	1 749	1 545
Seed and fodder	2 847	3 072	3 226	4 874	4 317	4 267	3 814	4 962
Marketing	3 144	3 198	3 395	2 433	3 567	3 433	3 610	2 468
Repairs and maintenance	2 150	2 262	2 328	2 392	2 453	2 493	2 602	2 466
Other	3 017	3 184	3 339	3 329	3 378	3 473	3 685	3 553
Total	16 052	16 971	17 608	17 918	18 893	18 974	19 411	18 756
Other costs								
Wages	3 250	3 360	3 367	3 226	3 420	3 410	3 778	3 654
Interest paid	2 023	2 249	2 087	2 295	2 614	2 888	3 249	3 848
Other overheads	372	389	400	412	422	432	446	447
Total	5 645	5 998	5 854	5 933	6 456	6 730	7 473	7 950
Total cash costs	21 697	22 969	23 463	23 851	25 349	25 705	26 884	26 706
Depreciation	3 526	3 687	3 796	3 915	4 017	4 122	4 255	4 383
Total farm costs	25 223	26 657	27 258	27 766	29 367	29 826	31 139	31 089

^s 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.

farm inputs

92 Indexes of prices paid by farmers in Australia

	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98
Materials and services									
Seed, fodder and livestock									
Seed, seedlings and plants	82.3	82.5	85.3	87.6	88.9	95.7	101.1	99.2	100.0
Fodder and feedstuffs	79.0	75.5	80.5	78.5	79.9	92.2	101.4	98.9	100.0
Store and breeding stock	88.6	82.0	79.7	78.8	95.0	96.7	96.1	89.4	100.0
Total	81.8	77.6	80.5	79.1	85.1	93.9	100.2	96.6	100.0
Fertiliser	82.4	85.0	90.3	88.7	87.1	89.6	98.2	99.2	100.0
Chemicals and medicines	93.2	96.4	97.5	98.0	97.2	97.9	98.1	99.0	100.0
Fuel and lubricants	91.6	106.0	99.6	104.1	100.5	96.6	100.4	104.9	100.0
Electricity	93.4	96.7	100.4	101.8	100.9	98.3	97.7	99.4	100.0
Maintenance									
Plant and equipment	72.9	79.3	83.6	86.7	89.9	92.5	95.3	97.6	100.0
Structures	79.8	84.9	87.5	89.4	91.0	92.5	94.6	95.4	100.0
Total	75.0	81.0	84.8	87.5	90.2	92.5	95.1	96.9	100.0
Contracts	81.0	86.5	90.0	92.8	95.6	97.3	98.4	99.6	100.0
Other materials and services	85.7	90.2	91.2	92.4	94.1	96.8	100.1	100.0	100.0
Total	83.2	85.3	87.4	87.8	90.2	94.2	98.7	98.6	100.0
Labor	78.9	82.7	86.5	89.7	91.0	92.3	95.1	97.0	100.0
Marketing									
Freight outwards	90.9	95.5	96.9	97.9	98.5	98.5	98.5	98.6	100.0
Selling expenses	85.5	85.7	86.9	86.7	89.3	91.7	95.6	95.5	100.0
Total	86.4	87.4	88.7	88.7	91.0	92.9	96.2	96.1	100.0
Overheads									
Interest paid	199.9	170.3	139.6	107.4	100.2	113.2	127.9	117.0	100.0
Rates and taxes	80.4	87.4	89.3	91.5	92.0	94.2	92.2	95.6	100.0
Insurance	62.0	64.8	64.2	67.0	71.3	74.3	90.8	98.1	100.0
Other overheads	80.6	85.2	92.3	94.1	95.7	96.8	99.2	100.5	100.0
Total	126.7	120.1	109.6	96.9	94.6	101.6	109.3	106.5	100.0
Capital items									
Plant and equipment	80.5	82.3	83.9	87.4	91.7	94.3	97.3	99.0	100.0
Structures	81.9	87.5	89.5	91.7	93.4	94.8	95.8	96.7	100.0
Total	80.7	83.0	84.6	88.0	91.9	94.4	97.1	98.7	100.0
Total prices paid									
Excluding capital items	90.1	90.9	90.8	89.5	91.1	95.0	99.5	99.4	100.0
Excluding capital and overheads	91.3	91.9	91.6	89.8	91.1	95.1	99.8	99.5	100.0
Excluding seed, fodder and store and breeding stock	82.9	85.1	87.4	88.2	90.4	93.6	97.7	98.0	100.0
Excluding seed, fodder and store and breeding stock	92.1	94.0	93.2	92.0	92.6	95.2	99.3	99.9	100.0

Continued

92 Indexes of prices paid by farmers in Australia continued

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Materials and services									
Seed, fodder and livestock									
Seed, seedlings and plants	100.6	102.7	105.2	112.9	118.3	104.9	95.3	90.5	104.8
Fodder and feedstuffs	91.9	90.0	93.6	105.5	167.5	148.3	140.4	140.4	166.2
Store and breeding stock	100.9	105.0	126.0	145.3	125.8	144.0	159.5	157.7	147.3
Total	94.9	95.0	103.1	116.5	150.3	142.0	140.3	139.3	153.7
Fertiliser	102.7	99.8	106.4	104.3	106.9	102.8	108.8	111.6	114.3
Chemicals and medicines	100.4	101.6	103.3	105.6	108.0	110.0	111.9	114.6	117.1
Fuel and lubricants	104.1	148.6	144.1	128.3	127.0	144.3	167.2	208.7	207.6
Electricity	100.7	100.2	99.9	100.4	100.5	100.0	101.3	103.5	105.5
Maintenance									
Plant and equipment									
Structures	102.3	106.1	112.0	115.2	118.4	121.4	124.6	128.6	132.5
Total	102.3	105.6	111.1	114.3	117.5	120.6	123.9	127.8	131.7
Contracts	104.3	107.9	114.4	117.7	120.9	123.8	126.8	130.8	134.6
Other materials and services	102.3	104.2	108.9	112.1	115.5	118.3	121.1	125.0	128.7
Total	99.9	104.2	109.3	113.1	126.0	125.2	128.7	133.8	140.6
Labor									
Marketing									
Freight outwards	100.3	102.5	107.0	110.1	113.5	116.3	119.0	122.9	126.4
Selling expenses	102.8	105.2	109.3	112.5	116.0	118.8	121.6	125.5	129.2
Total	102.7	105.0	109.3	112.4	115.9	118.7	121.5	125.4	129.1
Overheads									
Interest paid	90.6	98.8	111.2	104.2	110.7	118.1	123.7	130.6	144.7
Rates and taxes	102.1	107.1	112.4	115.5	119.1	121.9	124.8	128.8	132.6
Insurance	102.8	105.1	109.8	118.6	124.5	128.8	131.9	135.1	139.4
Other overheads	103.1	104.1	108.7	111.9	115.4	118.1	121.0	124.8	128.5
Total	96.6	102.5	111.3	109.9	115.2	120.6	125.1	130.6	140.4
Capital items									
Plant and equipment									
Structures	103.3	106.6	112.7	116.0	119.2	122.2	125.4	129.5	133.4
Total	103.0	106.1	111.9	115.2	118.3	121.3	124.4	128.4	132.3
Total prices paid									
Excluding capital items	100.6	104.7	110.1	112.9	121.5	123.0	126.6	131.4	137.8
Excluding capital and overheads	100.1	104.4	109.7	112.4	121.8	123.1	126.8	131.7	138.4
Excluding seed, fodder and store and breeding stock	100.9	104.8	109.4	113.0	123.3	123.7	127.2	131.9	137.8
Excluding seed, fodder and store and breeding stock	101.6	106.5	111.4	112.1	115.6	119.2	123.9	129.9	134.5

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

	Major trading banks		
	Australian broadacre farms a %	Overdrafts for small businesses b %	90 day bank bills %
1970-71		na	7.13
1971-72		na	5.97
1972-73		na	5.09
1973-74		na	11.33
1974-75		na	10.54
1975-76		10.40	8.55
1976-77		10.40	9.76
1977-78		10.40	10.25
1978-79	8.88	10.15	9.54
1979-80	9.24	10.15	11.02
1980-81	10.09	11.43	13.42
1981-82	11.48	13.73	16.83
1982-83	11.35	14.08	14.28
1983-84	12.02	13.58	11.87
1984-85	12.48	13.87	13.22
1985-86	15.45	17.11	16.76
1986-87	15.56	18.07	15.87
1987-88	13.86	14.88	11.90
1988-89	14.28	17.22	15.55
1989-90	16.67	19.98	16.94
1990-91	14.12	15.95	12.29
1991-92	12.02	12.60	8.15
1992-93	9.67	10.23	5.64
1993-94	9.29	9.34	4.87
1994-95	9.67	10.47	7.19
1995-96	10.43	11.18	7.51
1996-97	9.20	10.23	6.31
1997-98	8.30	8.68	4.99
1998-99	7.80	7.84	4.90
1999-00	8.00	8.24	5.60
2000-01	8.70	9.08	5.80
2001-02	7.91	8.03	4.58
2002-03	7.56	8.35	4.83
2003-04	8.01	8.66	5.28
2004-05	8.29	8.93	5.54
2005-06	na	9.14	5.68
2006-07	na	9.75	6.33

a Estimated average rate paid by all broadacre farms on all farm business debt for the year ended 30 June. **b** Refers to the midpoint of a range of rates 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

	Rural debt						Deposits
	All banks ^a	Other government agencies ^b	Pastoral and other finance companies	Large finance institutional debt	Other farm debt ^c	Total rural debt	Farm management deposits
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
1980-81	3 161	801	325	4 287	na	na	na
1981-82	3 418	842	384	4 644	na	na	na
1982-83	3 980	1 049	385	5 414	na	na	na
1983-84	4 284	1 139	495	5 918	na	na	na
1984-85	5 254	1 230	601	7 085	na	na	na
1985-86	5 976	1 220	739	7 935	na	na	na
1986-87	5 705	1 515	1 345	8 566	na	na	na
1987-88	6 023	1 664	1 195	8 883	1 250	10 133	na
1988-89	7 430	1 803	1 503	10 735	1 350	12 085	na
1989-90	8 514	1 910	1 523	11 946	1 410	13 356	na
1990-91	8 666	1 877	1 205	11 748	1 436	13 184	na
1991-92	9 158	1 856	1 379	12 393	1 460	13 853	na
1992-93	10 049	1 879	1 041	12 969	1 580	14 549	na
1993-94	13 722	1 909	1 150	16 781	1 631	18 412	na
1994-95	14 485	1 872	1 368	17 725	1 690	19 415	na
1995-96	16 351	735	1 720	18 805	1 792	20 597	na
1996-97	17 466	698	2 065	20 228	1 760	21 988	na
1997-98	18 566	609	1 979	21 154	1 810	22 964	na
1998-99	20 085	661	1 093	21 840	1 852	23 692	229
1999-00	23 240	663	2 527	26 430	1 901	28 331	590
2000-01	25 174	701	2 639	28 514	1 920	30 434	1 033
2001-02	26 829	711	2 691	30 231	1 967	32 198	2 074
2002-03	28 957	739	1 628	31 324	2 017	33 341	2 480
2003-04	34 115	750	3 379	38 244	2 067	40 311	2 619
2004-05	39 261	825	3 112	43 198	na	na	2 792
2005-06	43 546	897	2 336	46 779	na	na	2 797
2006-07	47 188	1 016	4 592	52 796	na	na	2 782

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

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

95 Australian tractors sales, by type

	By power segment, by volume ^a				By power segment, by value			
	Under 30 kW	30-90 kW	Over 90 kW	Total	Under 30 kW	30-90 kW	Over 90 kW	Total
	no.	no.	no.	no.	\$m	\$m	\$m	\$m
1990-91	1 756	4 259	668	6 683	na	na	na	na
1991-92	1 430	3 642	825	5 897	11	78	63	152
1992-93	1 290	3 633	965	5 888	21	198	117	336
1993-94	1 200	4 235	1 152	6 587	21	208	148	378
1994-95	1 050	4 806	1 335	7 191	19	249	177	444
1995-96	1 017	4 652	1 982	7 651	19	257	276	553
1996-97	1 131	4 666	2 736	8 533	21	276	402	699
1997-98	1 057	4 657	2 896	8 610	21	283	443	747
1998-99	1 119	4 993	2 361	8 473	25	337	420	782
1999-00	1 226	4 845	2 216	8 287	29	289	335	653
2000-01	1 192	4 304	1 765	7 261	28	273	263	565
2001-02	1 332	5 345	1 638	8 315	31	397	352	779
2002-03	1 363	5 829	2 104	9 296	30	379	388	797
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
2006-07	2 635	6 109	1 542	10 286	54	393	294	741
2004 quarter								
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
2005 quarter								
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
2006 quarter								
March	743	1 617	764	3 124	14	114	154	283
June	653	1 982	737	3 372	13	138	144	295
September	618	1 603	414	2 635	13	104	76	192
December	676	1 479	286	2 441	13	95	54	163
2007 quarter								
March	687	1 430	400	2 517	14	90	80	184
June	654	1 597	442	2 693	14	104	84	202
September	586	1 433	309	2 328	13	92	57	162

^a Tractor power ratings refer to power takeoff, power in kilowatts.
Source: Tractor and Machinery Association of Australia, Melbourne.

96 Value of Australian trade in selected farm machinery

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

^a Fob at the port of origin.

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

97 Australian fertiliser prices, by type ^a

	Single superphosphate ^b \$/t	Diammonium phosphate ^b \$/t	Ammonium sulphate ^c \$/t	Potassium chloride ^c \$/t	Urea ^c \$/t	Index of prices paid for fertiliser ^d
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	106.9
2004	227.33	466.67	395.00	387.00	377.33	102.8
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
2007	241.25	657.25	440.00	479.75	519.08	114.3

^a Average price paid by Australian farmers at 30 June. ^b Bulk. ^c Bagged. ^d 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 ^a	Sulphur ^b	Diam- monium phosphate ^c	Triple super- phosphate ^c	Ammonia ^d	Urea ^d	Potash ^e
	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t	A\$/t
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
2006-07	60.0	68.6	438.0	na	415.5	375.5	243.1
2002 quarter							
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
2003 quarter							
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
2004 quarter							
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
2005 quarter							
March	60.5	92.7	325.6	270.2	376.2	327.9	196.4
June	61.3	93.8	332.1	276.3	433.9	373.5	198.8
September	62.0	99.6	376.7	296.5	432.5	357.8	201.1
December	63.3	104.0	394.1	300.6	565.4	363.7	218.8
2006 quarter							
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
December	61.1	66.3	367.0	na	398.5	336.6	250.3
2007 quarter							
March	60.2	55.1	429.3	na	476.9	435.2	246.5
June	56.6	74.1	571.4	na	417.8	413.8	232.0
September	na	122.1	566.2	na	351.7	393.8	227.5

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

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

farm inputs

99 Australian fertiliser consumption, by element

	Phosphate (P ₂ O ₅) kt	Nitrogen (N) kt	Potash (K ₂ O) kt
1987-88	871.8	363.1	147.4
1988-89	842.5	392.6	160.8
1989-90	790.5	440.3	162.6
1990-91	578.9	439.4	145.4
1991-92	680.2	462.3	142.1
1992-93	782.3	488.2	147.4
1993-94	770.0	565.4	176.1
1994-95	922.7	583.2	219.6
1995-96	965.3	671.3	230.8
1996-97	985.3	824.6	206.0
1997-98	1 090.1	839.4	254.6
1998-99	1 039.0	979.0	232.0
1999-00	1 055.0	1 082.0	216.0
2000-01	1 107.0	951.0	217.0
2001-02	1 187.0	1 034.0	242.0
2002-03	1 077.8	980.1	215.4
2003-04	1 019.3	932.9	239.0
2004-05	1 106.7	1 056.6	259.0
2005-06	na	na	na
2006-07	na	na	na

na Not available.

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

100 Volume of Australian imports of fertiliser, by element

	Phosphate (P ₂ O ₅) kt	Nitrogen (N) kt	Potash (K ₂ O) kt
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
2006-07	na	na	na

na Not available.

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	11	7	50	107	151	106	0	342	756	
2000-01	7	46	0	293	145	119	0	266	823	
2001-02	12	4	0	266	94	27	243	303	933	
2002-03	36	21	0	200	48	16	244	202	711	
2003-04	1	24	44	179	198	0	253	49	723	
2004-05	32	24	38	210	381	0	163	5	797	
2005-06	27	6	101	86	405	0	48	15	655	
2006-07	32	6	61	23	340	27	0	18	469	

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	61.0	0.8
1992-93	249.9	482.7	250.0	116.8	367.2	258.4	50.9	0.2
1993-94	204.2	501.2	237.5	133.7	526.5	301.0	76.7	0.4
1994-95	306.8	548.5	232.6	124.9	554.3	367.8	66.9	0.4
1995-96	269.3	715.4	291.5	154.0	594.9	366.0	40.1	0.3
1996-97	335.5	706.0	317.3	197.3	850.7	329.3	33.1	0.1
1997-98	351.8	757.1	391.6	118.1	953.3	435.0	44.2	0.2
1998-99	284.9	771.7	413.6	78.5	1 038.2	357.1	68.9	0.6
1999-00	240.4	570.2	580.0	74.9	1 399.8	353.3	75.3	23.0
2000-01	224.1	447.4	647.4	22.6	1 139.5	346.0	117.2	283.7
2001-02	280.2	271.0	659.2	75.5	1 295.8	416.9	101.4	180.2
2002-03	188.1	237.2	691.3	72.0	1 072.8	432.6	172.8	255.9
2003-04	163.5	211.6	740.5	62.1	1 156.6	447.0	135.7	264.6
2004-05	231.8	286.7	926.3	180.2	1 288.6	496.7	205.5	313.5
2005-06	310.3	202.5	528.2	144.4	1 056.1	403.7	186.6	312.3
2006-07	165.6	83.0	443.3	107.9	794.2	309.1	236.6	154.9

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	Diammonium	Monammonium	Ammonium fertilisers		Urea	Potassic fertiliser	Phosphate rock
	superphosphate	phosphate	phosphate	Sulphate	Nitrate			
	kt	kt	kt	kt	kt	kt	kt	kt
New South Wales								
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	4.4	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
2006-07	37.4	0.3	45.8	0.9	25.4	70.0	14.6	44.4
Victoria								
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
2006-07	63.4	13.1	116.4	2.5	0.6	239.6	84.7	254.8
Queensland								
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
2006-07	6.7	0.1	11.4	2.4	54.9	152.3	85.5	2.2
Western Australia								
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
2006-07	55.5	55.4	243.3	1.6	15.6	211.9	46.7	124.3
South Australia								
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	4.7	124.3	16.5	0.0
2006-07	2.5	14.1	26.3	1.2	2.7	91.8	11.7	0.0
Tasmania								
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
2006-07	0.0	0.0	0.0	0.0	0.1	28.5	19.4	43.5
Australia								
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	8.3	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	135.6	1 056.1	403.7	654.7
2006-07	165.6	83.0	443.3	8.6	99.3	794.2	309.1	469.2

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

104 Value of Australian fertiliser imports, by state ^a

	Triple	Diammonium	Monammonium	Ammonium fertilisers		Urea	Potassic	Phosphate
	superphosphate	phosphate	phosphate	Sulphate	Nitrate			
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
New South Wales								
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
2006-07	13.99	0.21	19.82	0.19	8.80	22.71	4.30	3.43
Victoria								
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	124.54	39.24	19.74
2006-07	24.74	4.45	52.47	0.51	0.19	77.76	21.86	17.44
Queensland								
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
2006-07	1.75	0.06	4.92	0.50	17.97	48.92	22.63	0.40
Western Australia								
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
2006-07	12.40	21.67	92.58	0.37	4.92	77.48	13.90	7.17
South Australia								
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	1.42	40.13	4.88	0.00
2006-07	0.65	5.49	11.78	0.22	0.92	33.28	3.35	0.00
Tasmania								
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
2006-07	0.00	0.00	0.00	0.01	0.03	9.34	5.35	3.07
Australia								
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	51.08	338.57	99.34	42.11
2006-07	53.54	31.88	181.56	1.80	32.83	269.50	71.39	31.51

^a Fob at the port of origin.

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

105

Volume of Australian fertiliser imports, by quarter

	Triple	Diammonium	Monammonium	Ammonium fertilisers		Urea	Potassic fertiliser	Phosphate rock
	superphosphate	phosphate	phosphate	Sulphate	Nitrate			
	kt	kt	kt	kt	kt	kt	kt	kt
2000 quarter								
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
2001 quarter								
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
2002 quarter								
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
2003 quarter								
March	94.3	127.9	308.3	3.6	19.3	336.0	169.6	144.5
June	25.2	82.8	198.7	13.2	14.5	462.8	95.8	122.4
September	27.9	5.6	70.8	0.7	7.6	163.7	77.7	164.7
December	15.5	12.5	177.8	0.7	27.0	214.7	48.7	225.3
2004 quarter								
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
2005 quarter								
March	62.4	120.6	345.1	1.6	60.0	296.8	138.2	193.2
June	40.9	89.1	296.7	1.6	42.2	535.4	173.2	241.7
September	19.3	16.3	118.0	3.9	40.7	211.4	114.1	146.8
December	127.1	33.0	95.3	0.9	29.3	106.8	70.5	239.5
2006 quarter								
March	112.8	96.8	217.0	2.2	46.6	290.9	110.2	70.9
June	51.1	56.4	98.0	1.8	19.0	447.0	108.8	197.6
September	5.8	0.0	50.2	2.2	21.8	234.5	78.0	123.1
December	2.9	0.2	11.4	1.0	24.7	75.8	88.9	145.7
2007 quarter								
March	50.0	54.2	238.7	2.3	18.8	85.5	65.2	55.4
June	107.0	28.6	143.0	3.2	34.0	398.4	77.0	145.0
September	0.0	6.2	20.9	2.5	30.2	304.6	116.5	92.9

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

106 Value of Australian fertiliser imports, by quarter ^a

	Triple	Diammonium	Monammonium	Ammonium fertilisers		Urea	Potassic fertiliser	Phosphate rock
	superphosphate	phosphate	phosphate	Sulphate	Nitrate			
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
2000 quarter								
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
2001 quarter								
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
2002 quarter								
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
2003 quarter								
March	19.9	35.1	83.4	0.9	5.1	79.6	41.6	10.0
June	6.3	25.2	59.2	3.0	3.7	108.3	21.8	7.5
September	6.6	1.6	18.5	0.1	1.7	36.0	18.7	10.1
December	4.0	3.1	45.5	0.1	6.3	51.5	10.7	13.5
2004 quarter								
March	12.4	35.9	83.8	0.2	1.7	55.2	29.2	5.7
June	9.0	19.7	58.0	1.0	3.0	114.0	35.0	11.3
September	16.4	7.8	30.4	0.2	7.0	79.3	22.3	7.9
December	12.6	15.6	60.5	0.2	17.1	49.7	19.6	14.8
2005 quarter								
March	11.4	37.0	106.3	0.4	21.1	85.9	28.3	11.2
June	9.3	26.9	88.6	0.3	16.5	170.2	36.0	14.7
September	3.3	6.6	40.7	0.8	14.6	66.0	30.3	8.7
December	24.3	12.0	33.9	0.2	11.8	35.2	19.7	16.1
2006 quarter								
March	20.0	35.0	80.1	0.5	18.3	89.3	33.0	3.9
June	11.2	20.4	34.9	0.4	6.4	148.0	28.8	13.5
September	1.5	0.0	18.7	0.5	7.9	68.0	22.4	8.1
December	0.8	0.2	4.4	0.2	8.6	21.3	24.8	8.4
2007 quarter								
March	10.9	19.0	89.1	0.5	6.0	31.1	17.2	4.3
June	40.3	12.7	69.4	0.6	10.4	149.1	21.7	10.7
September	0.0	2.9	9.0	0.5	9.5	102.9	30.9	6.9

^a 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
2006	960 751	179 536	326 735	674 521	114.6

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 c c/L	Index of prices paid for fuel d
	Lead replacement a c/L	Unleaded b 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
2006-07	na	114.72	81.22	207.6

a Leaded petrol phased out as at 1 Jan 2002. Lead replacement petrol (LRP) introduced as at 1 Jan 2002. **b** Petrol price paid at the pump, excludes farm rebates and subsidies. **c** Average price paid by Australian farmers. Net petrol price including farm rebates and subsidies. **d** 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 ^a

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
	'000	'000	'000	'000	'000	'000	'000	'000
Agriculture								
Grains, sheep and beef cattle	205.8	211.5	217.3	200.5	201.7	203.5	202.7	199.0
Horticulture and fruit	93.3	82.8	80.3	77.4	93.0	87.1	91.0	91.7
Other crops	13.5	12.5	11.5	17.0	16.9	18.3	20.6	19.9
Dairy cattle	21.5	22.0	22.8	34.2	30.1	39.9	38.2	32.6
Poultry	10.3	9.3	10.5	10.1	11.8	10.2	9.4	8.3
Other livestock	22.8	21.8	21.3	17.4	16.4	16.1	16.5	14.3
Agriculture - other	na	na	na	na	na	na	na	na
Total	367.2	359.9	363.3	356.6	369.9	375.0	378.2	365.8
Services to agriculture ^b	16.0	17.5	20.3	19.5	18.6	23.0	25.6	27.9
Forestry and logging	11.3	11.0	11.3	12.4	11.4	10.9	14.0	14.0
Commercial fishing	13.5	15.8	13.8	14.8	18.7	13.0	13.8	14.0
Total	408.1	404.1	408.7	403.4	418.5	421.9	431.6	421.7
	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	'000	'000	'000	'000	'000	'000	'000	'000
Agriculture								
Grains, sheep and beef cattle	211.0	207.7	213.5	164.7	164.0	132.0	138.8	135.0
Horticulture and fruit	98.9	92.5	97.2	92.8	94.9	81.4	82.2	81.4
Other crops	19.3	15.6	17.1	12.9	10.7	15.9	9.1	14.2
Dairy cattle	34.6	29.1	30.8	25.4	19.6	21.4	22.7	20.5
Poultry	8.8	8.6	9.3	11.0	9.8	9.3	9.1	8.3
Other livestock	12.7	9.4	12.3	12.0	10.0	10.2	11.0	10.0
Agriculture - other	na	10.5	5.0	4.5	10.4	39.9	29.9	38.1
Total	385.2	373.4	385.2	323.1	319.2	310.1	302.7	307.5
Services to agriculture ^b	30.4	28.1	25.7	24.1	25.2	24.5	27.0	26.5
Forestry and logging	8.7	13.5	13.2	9.7	12.1	12.2	11.3	11.3
Commercial fishing	15.6	19.4	18.4	17.4	15.7	13.9	11.7	9.7
Total	439.9	435.2	442.9	374.9	373.2	363.9	352.6	355.1

^a Average employment over four quarters. ^b 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 ^a

	Contract rates %	Shearing rates ^b %	Rural wages %	Average weekly earnings %	Consumer price index %
1970-71	na	3.4	4.5	na	4.5
1971-72	- 1.4	2.5	5.6	10.2	6.9
1972-73	1.9	6.8	9.3	9.0	6.1
1973-74	6.3	31.1	20.0	16.2	12.9
1974-75	18.8	43.2	37.3	26.6	16.8
1975-76	14.9	9.6	13.7	15.7	12.9
1976-77	12.4	13.1	13.1	14.7	13.9
1977-78	6.7	9.2	10.8	10.3	9.5
1978-79	9.4	6.2	6.1	8.4	8.2
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	1.1	4.7	6.2	9.4
1987-88	3.7	3.4	3.9	6.1	7.3
1988-89	7.0	12.0	7.3	6.8	7.3
1989-90	6.1	5.6	7.4	6.6	8.0
1990-91	6.7	1.4	4.8	5.9	5.3
1991-92	4.1	4.0	4.6	2.9	1.9
1992-93	3.1	1.5	3.6	2.0	1.0
1993-94	3.0	0.1	1.4	2.9	1.8
1994-95	1.9	0.8	1.4	3.4	3.2
1995-96	1.0	2.3	3.1	2.5	4.2
1996-97	1.2	1.5	2.0	3.0	1.3
1997-98	2.5	1.9	2.6	3.2	0.0
1998-99	3.6	5.7	3.6	2.4	1.2
1999-00	2.9	3.7	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
2006-07	3.1	4.1	3.7	4.5	2.9

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

Sources: ABS, *Average Weekly Earnings, Australia*, cat. no. 6302.0, Canberra (derived from average weekly earnings for all employees series); ABS, *Consumer Price Index*, cat. no. 6401.0, Canberra; 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	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07 p
Prawns									
Production as	kt	26.8	30.2	29.4	26.4	27.6	23.7	23.2	20.8
Value of production	\$m	414.6	453.3	430.8	366.9	360.3	309.2	302.0	263.4
Exports b	kt	11.6	12.1	11.9	9.5	9.4	10.3	8.7	6.4
Value of exports	\$m	243.8	291.0	262.8	208.2	160.6	163.1	133.9	93.6
Imports b	kt	15.7	15.6	17.6	18.1	24.4	29.9	30.4	33.9
Value of imports	\$m	192.9	233.5	221.4	220.2	227.6	257.8	256.3	308.0
Rock lobster									
Production ac	kt	20.5	16.9	14.4	17.1	19.9	18.5	16.2	14.4
Value of production c	\$m	545.6	483.3	504.2	463.2	411.1	426.6	470.4	462.1
Exports b	kt	15.5	13.3	10.9	11.5	13.5	12.6	11.9	10.3
Value of exports	\$m	577.7	532.6	492.6	463.1	426.8	439.6	489.4	463.4
Abalone									
Production as	kt	5.6	5.7	5.9	5.2	5.8	6.0	5.5	5.7
Value of production	\$m	220.7	276.4	247.4	216.2	197.9	233.0	225.8	231.4
Exports b	kt	3.8	3.5	4.0	4.2	4.9	4.0	3.7	3.9
Value of exports	\$m	223.4	249.3	263.1	216.1	237.7	263.1	245.6	247.3
Scallops									
Production a	kt	12.1	9.2	5.6	9.6	9.3	15.4	8.7	12.6
Value of production	\$m	43.2	39.0	22.6	32.6	24.7	46.7	25.0	35.9
Exports b	kt	1.7	2.1	1.5	1.2	1.5	1.2	1.5	1.4
Value of exports	\$m	42.0	53.4	34.4	28.7	34.9	32.6	38.8	35.4
Tuna									
Production ads	kt	16.2	16.1	15.9	13.4	14.7	11.3	12.7	12.0
Value of production d	\$m	256.7	328.8	322.9	317.0	279.5	172.5	175.1	163.9
Exports b	kt	12.6	14.8	13.9	12.6	12.8	10.9	11.7	11.6
Value of exports	\$m	259.3	331.9	325.8	321.0	273.5	165.7	179.4	162.2
Imports b	kt	18.2	23.6	25.3	33.9	47.4	37.5	36.5	34.5
Value of imports	\$m	70.6	82.8	104.9	123.5	109.8	107.7	141.3	141.7
Other fin fish									
Production as	kt	113.5	122.6	138.4	151.7	165.3	172.9	146.5	164.3
Value of production	\$m	454.3	514.1	575.5	584.5	580.9	569.4	596.8	702.2
Exports b	kt	15.0	13.3	17.5	17.4	13.2	15.0	11.6	11.4
Value of exports	\$m	133.7	146.4	176.0	164.2	136.5	138.7	115.3	118.2
Imports b	kt	84.0	85.1	82.3	89.8	91.2	93.3	92.7	99.1
Value of imports	\$m	392.7	426.4	431.8	467.0	435.1	439.6	460.7	559.4
All fisheries products									
Production s	kt	222.0	231.6	238.0	253.7	275.4	278.3	241.0	na
Value of production	\$m	2 344.0	2 465.1	2 462.9	2 312.6	2 206.8	2 105.4	2 133.0	2 215.5
Edible exports	kt	63.9	64.7	64.3	60.2	58.5	57.3	52.3	48.0
Value of edible exports	\$m	1 536.2	1 716.8	1 661.7	1 484.9	1 319.3	1 236.0	1 237.3	1 159.1
Value of non-edible exports	\$m	451.8	451.9	438.5	359.6	332.6	305.7	309.6	336.1
Edible imports	kt	139.9	144.4	146.3	164.7	188.0	186.3	188.5	198.6
Value of edible imports	\$m	780.6	870.3	889.2	950.2	904.9	959.3	1 028.5	1 184.4
Value of non-edible imports	\$m	310.5	281.6	310.9	251.6	201.5	212.6	236.1	283.0

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

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

112

Quantity and value of Australian production of selected fisheries products

	Unit	Prawns	Rock lobster ^a	Abalone	Scallops	Oysters	Tuna	Other fin fish	All fisheries products ^b	
Quantity ^c										
1985-86	kt	18.5	11.8	na	na	6.8	13.5	76.0	na	
1986-87	s	21.0	12.0	na	na	7.1	12.0	85.0	na	
1987-88	s	23.0	16.0	na	na	8.0	11.0	94.0	na	
1988-89	s	28.0	18.0	0.0	0.0	8.0	9.0	98.0	168.0	
1989-90	s	23.3	15.7	0.0	0.0	7.5	8.2 ^d	120.9	182.8	
1990-91	s	29.1	14.7	0.0	0.0	8.1	11.7 ^e	145.4	216.3	
1991-92	s	24.5	18.5	0.0	0.0	8.2	13.2 ^e	139.8	212.9	
1992-93	s	25.1	18.4	3.4	33.0	8.6	10.2 ^e	123.6	236.9	
1993-94	s	23.2	16.8	3.3	23.7	8.7	7.7 ^e	121.9	223.9	
1994-95	s	28.0	16.4	3.8	15.8	9.4	8.7 ^e	127.5	232.2	
1995-96	s	29.4	15.7	3.9	15.3	10.1	9.2 ^e	123.5	228.6	
1996-97	s	27.7	15.8	3.8	8.8	10.1	13.0 ^e	128.5	222.8	
1997-98	s	29.6	16.6	3.8	10.4	10.7	11.9 ^e	134.3	232.3	
1998-99	s	31.2	19.4	5.6	11.3	8.7	16.7 ^e	126.5	236.7	
1999-00	s	26.8	20.5	5.6	12.1	9.7	16.2 ^e	113.5	222.0	
2000-01	s	30.2	16.9	5.7	9.2	9.6	16.1 ^e	122.6	231.6	
2001-02	s	29.4	14.4	5.9	5.6	10.2	15.9 ^e	138.4	238.0	
2002-03	s	26.4	17.1	5.2	9.6	10.5	13.4 ^e	151.7	253.7	
2003-04	s	27.6	19.9	5.8	9.3	12.7	14.7 ^e	165.3	275.4	
2004-05	s	23.7	18.5	6.0	15.4	10.4	11.3 ^e	172.9	278.3	
2005-06	s	23.2	16.2	5.5	8.7	12.0	12.7 ^e	146.5	241.0	
2006-07	ps	20.8	14.4	5.7	12.6	12.5	12.0 ^e	164.3	na	
Value										
1985-86	s	\$m	190.0	140.0	60.0	24.0	30.0	17.0	102.0	na
1986-87	s	\$m	216.0	186.0	84.0	25.0	31.0	23.0	137.0	na
1987-88	s	\$m	246.0	252.0	96.0	22.0	36.0	19.0	157.0	na
1988-89	s	\$m	274.0	280.0	86.0	21.0	38.0	19.0	215.0	1 022.3 ^f
1989-90	s	\$m	226.0	245.0	90.0	25.0	36.0	66.0 ^d	278.0	1 093.0 ^f
1990-91	s	\$m	262.9	287.5	92.1	42.3	43.2	66.5 ^e	269.8	1 223.1 ^f
1991-92	s	\$m	244.1	369.1	94.6	82.8	44.3	76.2 ^e	301.3	1 376.2 ^f
1992-93	s	\$m	291.3	348.8	127.5	94.4	41.2	116.2 ^e	320.7	1 517.4 ^f
1993-94	s	\$m	320.6	431.7	178.4	82.1	42.4	107.8 ^e	322.5	1 719.0 ^f
1994-95	s	\$m	368.0	452.5	144.7	64.2	47.6	129.8 ^e	336.8	1 844.7 ^f
1995-96	s	\$m	368.4	374.6	142.4	66.7	51.5	85.0 ^e	352.2	1 724.8 ^f
1996-97	s	\$m	344.3	413.3	152.5	36.7	52.0	96.0 ^e	378.3	1 731.3 ^f
1997-98	s	\$m	385.3	377.1	182.1	39.8	47.0	130.8 ^e	395.6	1 835.7 ^f
1998-99	s	\$m	416.4	438.5	172.9	37.7	45.2	221.5 ^e	442.7	2 109.8 ^f
1999-00	s	\$m	414.6	545.6	220.7	43.2	53.3	256.7 ^e	454.3	2 344.0 ^f
2000-01	s	\$m	453.3	483.3	276.4	39.0	55.7	328.8 ^e	514.1	2 465.1
2001-02	s	\$m	430.8	504.2	247.4	22.6	56.9	322.9 ^e	575.5	2 462.9
2002-03	s	\$m	366.9	463.2	216.2	32.6	62.1	317.0 ^e	584.5	2 312.6
2003-04	s	\$m	360.3	411.1	197.9	24.7	77.2	279.5 ^e	580.9	2 206.8
2004-05	s	\$m	309.2	426.6	233.0	46.7	74.0	172.5 ^e	569.4	2 105.4
2005-06	s	\$m	302.0	470.4	225.8	25.0	83.9	175.1 ^e	596.8	2 133.0
2006-07	ps	\$m	263.4	462.1	231.4	35.9	89.0	163.9 ^e	702.2	2 215.5

^a Includes bugs for Queensland. ^b Excludes those products for which no quantity data is available, eg live fish, pearls and some non-edible fisheries products. ^c Live weight. ^d Includes an estimate of tuna production from joint venture agreements. ^e Excludes Commonwealth southern bluefin tuna as an input to South Australian farms. ^f Includes pearls and other products. ^p Preliminary. ^s 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	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity ^a								
Headless	t	1 005	785	580	307	437	150	118
Hong Kong, China	t	80	14	14	3	14	0	2
Japan	t	654	539	428	179	150	121	94
Spain	t	0	28	0	0	0	0	0
United States	t	80	98	10	1	3	3	0
Other	t	221	105	86	19	89	2	10
Whole	t	10 789	10 870	8 739	8 852	9 623	8 409	6 034
China	t	1 231	1 414	780	1 151	1 540	1 107	1 019
Chinese Taipei	t	170	254	219	184	74	40	54
Hong Kong, China	t	1 899	1 777	1 388	925	659	401	413
Italy	t	42	24	52	13	42	382	52
Japan	t	4 085	4 194	3 815	3 063	3 466	2 993	2 334
Malaysia	t	131	180	214	274	75	74	110
New Zealand	t	190	253	237	175	189	151	64
Spain	t	1 584	915	1 223	1 697	1 972	1 434	877
Thailand	t	673	1 076	90	124	198	376	145
United States	t	138	45	13	54	29	16	27
Other	t	973	1 095	888	953	618	345	317
Other	t	330	270	213	237	242	185	225
Chinese Taipei	t	1	12	8	20	21	0	0
Japan	t	65	49	15	9	12	1	14
Singapore	t	22	19	30	25	13	19	4
United States	t	28	11	0	1	1	0	2
Other	t	275	175	149	199	194	78	170
Total	t	12 124	11 925	9 532	9 396	10 302	8 744	6 376
Value								
Headless	\$'000	25 162	18 607	12 002	5 353	6 639	2 835	2 285
Hong Kong, China	\$'000	1 338	310	318	34	387	0	55
Japan	\$'000	18 200	14 227	9 613	3 917	3 599	2 490	2 011
Spain	\$'000	0	375	0	0	0	0	0
United States	\$'000	2 048	2 445	298	33	69	57	0
Other	\$'000	4 082	1 569	1 169	468	1 316	28	142
Whole	\$'000	258 481	239 367	192 567	151 488	153 239	128 872	88 740
China	\$'000	20 946	23 262	14 914	15 777	19 601	11 905	10 805
Chinese Taipei	\$'000	4 694	5 440	5 153	3 997	1 483	828	1 183
Hong Kong, China	\$'000	36 377	32 940	26 874	15 985	9 593	5 758	5 960
Italy	\$'000	896	430	1 074	241	956	7 290	943
Japan	\$'000	133 574	129 283	105 331	62 751	68 784	57 151	43 293
Malaysia	\$'000	2 172	3 112	3 890	3 723	567	676	787
New Zealand	\$'000	2 604	3 223	3 365	2 313	2 305	1 604	863
Spain	\$'000	27 703	15 549	17 214	23 069	26 524	18 972	10 233
Thailand	\$'000	11 982	15 066	1 102	1 442	2 290	3 817	1 505
United States	\$'000	4 290	906	327	1 189	679	297	598
Other	\$'000	19 165	19 405	16 396	15 239	8 066	4 001	4 072
Other	\$'000	7 405	4 853	3 676	3 762	3 225	2 216	2 538
Chinese Taipei	\$'000	32	309	169	372	453	0	0
Japan	\$'000	3 505	1 459	345	181	241	24	142
Singapore	\$'000	481	379	556	523	169	274	53
United States	\$'000	681	372	0	27	16	3	34
Other	\$'000	6 508	3 583	2 550	3 116	2 598	822	1 859
Total	\$'000	291 048	262 827	208 245	160 603	163 104	133 923	93 563

^a Product weight.

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

114 Australian imports of prawns, by product type and source

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity ^a								
Fresh, chilled or frozen	t	10 188	11 972	13 086	18 860	22 590	23 111	26 015
China	t	160	381	544	3 894	4 034	4 465	8 469
Chinese Taipei	t	118	42	41	102	92	283	120
India	t	1 652	2 571	2 763	2 920	3 096	2 459	2 000
Indonesia	t	1 198	1 526	1 629	1 617	1 669	1 094	686
Malaysia	t	660	587	395	190	183	159	478
Myanmar	t	596	716	644	564	528	572	597
New Caledonia	t	186	184	123	104	189	100	74
Papua New Guinea	t	151	133	161	196	59	11	24
Singapore	t	232	91	141	211	101	157	79
Thailand	t	3 823	3 677	3 597	4 911	5 741	6 106	5 503
Viet Nam	t	1 256	1 840	2 802	3 898	6 260	6 855	7 229
Other	t	306	356	381	422	466	457	380
Canned	t	5 217	5 432	5 032	5 584	7 247	7 239	7 891
Malaysia	t	1 364	1 356	1 202	1 089	1 244	809	767
Thailand	t	3 082	3 097	3 064	3 328	4 035	3 706	3 293
Viet Nam	t	74	94	167	319	437	591	292
Other	t	696	885	599	848	1 530	2 133	3 539
Other	t	168	155	29	5	18	54	1
China	t	3	3	0	0	16	33	0
Malaysia	t	69	65	0	2	0	2	1
Thailand	t	66	85	26	1	0	17	0
Viet Nam	t	24	2	0	0	0	1	0
Other	t	6	1	2	1	2	1	0
Total	t	15 572	17 559	18 147	24 448	29 855	30 404	33 906
Value								
Fresh, chilled or frozen	\$'000	173 238	165 095	174 484	183 537	201 187	200 925	246 372
China	\$'000	3 468	3 362	5 704	28 476	26 497	29 417	62 120
Chinese Taipei	\$'000	2 601	626	714	1 297	1 054	2 884	1 395
India	\$'000	32 505	38 963	39 759	34 872	32 149	25 451	24 420
Indonesia	\$'000	15 776	17 934	17 501	13 423	10 820	8 508	5 675
Malaysia	\$'000	7 019	6 321	3 889	1 783	1 826	1 761	4 548
Myanmar	\$'000	7 405	8 183	6 451	4 867	4 599	4 816	5 730
New Caledonia	\$'000	3 164	3 128	2 044	1 571	2 370	1 256	874
Papua New Guinea	\$'000	1 320	1 139	1 357	1 307	406	73	138
Singapore	\$'000	2 591	1 325	1 608	2 083	1 063	1 474	944
Thailand	\$'000	70 400	51 886	47 027	44 250	45 556	45 968	48 228
Viet Nam	\$'000	24 825	29 554	45 441	47 333	69 650	72 307	85 791
Other	\$'000	3 485	3 812	4 047	3 368	3 780	3 940	3 383
Canned	\$'000	57 917	54 553	45 386	44 020	56 491	54 961	61 663
Malaysia	\$'000	12 662	12 030	10 082	8 072	8 215	5 216	5 386
Thailand	\$'000	37 910	33 392	29 341	27 035	34 433	30 858	26 789
Vietnam	\$'000	515	908	1 558	2 726	3 854	5 072	2 925
Other	\$'000	6 830	8 223	4 404	6 187	9 989	13 815	26 563
Other	\$'000	2 369	1 782	365	38	116	425	14
China	\$'000	10	34	1	4	92	210	3
Malaysia	\$'000	852	609	3	12	1	9	6
Thailand	\$'000	1 033	1 055	334	12	0	200	3
Viet Nam	\$'000	309	17	0	6	0	2	0
Other	\$'000	165	66	28	4	24	4	3
Total	\$'000	233 524	221 430	220 236	227 595	257 794	256 311	308 049

^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	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity a								
Tails b	t	1 037	870	1 698	2 062	1 849	1 612	1 458
Chinese Taipei	t	18	5	32	0	9	0	0
Hong Kong, China	t	10	3	16	10	18	12	14
Japan	t	51	18	57	141	38	42	38
United States	t	915	831	1 476	1 757	1 748	1 467	1 383
Other	t	42	14	118	153	36	91	24
Whole c	t	11 882	9 697	9 468	10 889	10 184	9 914	8 328
Chinese Taipei	t	3 182	2 094	1 557	1 369	1 194	824	816
Hong Kong, China	t	4 658	3 983	3 603	4 750	4 323	5 449	5 163
Japan	t	3 306	2 585	2 940	2 477	2 096	1 785	1 194
Singapore	t	218	317	283	306	214	162	190
United States	t	215	234	53	60	57	43	27
Other	t	303	484	1 032	1 927	2 300	1 650	938
Other	t	426	374	368	501	603	412	465
France	t	16	6	20	12	66	17	11
Hong Kong, China	t	59	59	8	18	8	30	28
Japan	t	254	300	296	414	395	284	345
United States	t	26	3	18	47	48	22	0
Other	t	71	6	26	10	87	59	81
Total	t	13 345	10 942	11 535	13 453	12 636	11 938	10 252
Value								
Tails b	\$'000	60 309	65 362	112 922	102 506	100 572	97 335	101 500
Chinese Taipei	\$'000	654	327	1 244	0	233	0	0
Hong Kong, China	\$'000	600	191	809	475	594	593	862
Japan	\$'000	4 138	1 742	3 101	5 894	2 031	2 303	2 034
United States	\$'000	53 243	61 932	102 178	90 023	96 050	88 585	96 760
Other	\$'000	1 675	1 171	5 590	6 114	1 665	5 854	1 844
Whole c	\$'000	460 785	420 391	343 797	318 499	329 612	387 448	357 126
Chinese Taipei	\$'000	107 896	82 321	51 730	35 547	36 919	29 842	30 112
Hong Kong, China	\$'000	195 809	189 134	144 334	156 743	147 902	227 490	234 098
Japan	\$'000	124 399	105 549	102 735	68 392	65 147	66 251	48 661
Singapore	\$'000	7 297	12 863	10 448	7 620	6 293	5 697	7 313
United States	\$'000	13 395	10 379	1 868	2 240	2 210	1 684	1 065
Other	\$'000	11 988	20 145	32 681	47 957	71 141	56 484	35 877
Other	\$'000	11 554	6 855	6 388	5 829	9 391	4 568	4 739
France	\$'000	673	232	221	450	1 775	775	551
Hong Kong, China	\$'000	2 124	2 409	279	285	67	271	244
Japan	\$'000	6 176	3 762	4 164	3 173	3 611	1 248	1 398
United States	\$'000	1 006	266	762	1 645	1 497	531	0
Other	\$'000	1 575	185	962	275	2 442	1 743	2 546
Total	\$'000	532 648	492 608	463 106	426 833	439 575	489 351	463 365

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

116 Australian imports of rock lobster, by source

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity ^a								
Cuba	t	38	14	27	0	31	64	174
Malaysia	t	18	15	25	41	14	17	17
New Zealand	t	0	4	6	6	1	0	1
Papua New Guinea	t	71	73	73	89	79	79	86
Thailand	t	178	130	194	151	118	215	155
United States	t	36	30	82	0	17	0	39
Viet Nam	t	50	4	19	3	3	3	10
Other	t	30	51	57	155	207	190	152
Total	t	421	320	484	444	469	568	634
Value								
Cuba	\$'000	840	323	723	0	576	1 273	3 952
Malaysia	\$'000	254	211	303	437	134	185	149
New Zealand	\$'000	6	115	192	199	32	1	39
Papua New Guinea	\$'000	3 043	3 365	3 373	2 151	2 816	2 590	3 727
Thailand	\$'000	2 927	2 281	2 826	2 043	1 514	3 197	2 285
United States	\$'000	834	562	2 364	0	359	0	913
Viet Nam	\$'000	883	71	327	58	35	41	127
Other	\$'000	629	1 131	953	2 201	2 666	2 962	2 027
Total	\$'000	9 416	8 058	11 060	7 088	8 132	10 249	13 218

^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	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Exports								
Quantity ^a								
Fresh, chilled or frozen	t	1 505	2 007	1 701	2 119	2 032	2 133	2 241
China	t	27	51	30	20	296	609	271
Chinese Taipei	t	171	190	159	137	85	63	44
Hong Kong, China	t	732	1 210	1 129	1 551	1 229	1 019	1 492
Japan	t	531	507	351	377	394	404	391
United States	t	8	9	7	8	5	6	10
Other	t	36	40	24	26	23	31	33
Prepared or preserved	t	2 038	2 003	2 493	2 791	1 972	1 532	1 670
Chinese Taipei	t	660	396	207	428	227	153	134
Hong Kong, China	t	551	606	901	1 222	949	609	883
Japan	t	441	392	584	596	402	404	229
Singapore	t	252	300	326	344	311	249	324
United States	t	39	51	118	91	31	37	39
Other	t	97	258	356	110	52	80	61
Total	t	3 543	4 010	4 193	4 910	4 004	3 665	3 911
Value								
Fresh, chilled or frozen	\$'000	103 931	122 987	109 277	117 482	123 856	131 533	139 041
China	\$'000	2 398	5 613	3 141	1 532	16 033	34 493	14 255
Chinese Taipei	\$'000	9 781	9 368	8 536	6 088	4 096	3 153	2 301
Hong Kong, China	\$'000	53 000	70 354	71 567	87 086	76 529	66 780	94 240
Japan	\$'000	35 370	33 160	22 574	19 985	24 250	23 766	24 057
United States	\$'000	834	774	708	746	502	617	1 019
Other	\$'000	2 547	3 719	2 751	2 045	2 447	2 724	3 169
Prepared or preserved	\$'000	145 346	140 141	106 838	120 198	139 294	114 094	108 241
Chinese Taipei	\$'000	32 209	26 145	8 403	16 366	12 806	10 553	9 091
Hong Kong, China	\$'000	45 135	34 928	29 309	53 210	70 010	46 392	54 819
Japan	\$'000	36 888	30 278	29 629	25 309	27 462	29 876	16 546
Singapore	\$'000	20 018	24 637	20 088	16 744	22 475	18 768	20 861
United States	\$'000	3 958	4 300	3 231	3 391	2 381	3 056	3 174
Other	\$'000	7 138	19 854	16 177	5 178	4 160	5 449	3 750
Total	\$'000	249 277	263 128	216 115	237 680	263 150	245 627	247 282
Imports								
Quantity								
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	6	14	10	10	6	14	15
Japan	t	0	0	0	3	0	0	0
New Zealand	t	0	1	0	0	0	0	0
Philippines	t	0	0	1	0	0	2	0
Other	t	6	13	8	8	6	12	15
Total	t	6	14	10	10	6	14	15
Value								
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	125	139	540	475	149	252	508
Japan	\$'000	10	0	1	316	0	0	0
New Zealand	\$'000	0	26	6	0	3	0	0
Philippines	\$'000	0	0	50	0	0	9	0
Other	\$'000	115	113	482	160	146	244	508
Total	\$'000	125	139	540	475	149	252	508

^a 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	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Exports									
Quantity a									
Fresh, chilled or frozen	t	1 629	2 058	1 403	1 130	1 460	1 208	1 484	1 399
China	t	157	472	1	0	0	0	28	24
France	t	46	0	0	0	0	156	305	187
Hong Kong, China	t	1 017	1 181	971	769	1 096	727	764	797
Malaysia	t	90	101	103	72	54	33	61	47
Singapore	t	266	277	305	246	249	181	260	274
United States	t	0	0	0	2	1	1	1	0
Other	t	53	26	23	43	58	110	65	69
Other	t	26	87	85	35	4	0	0	0
Hong Kong, China	t	15	30	84	35	3	0	0	0
Other	t	11	57	1	0	1	0	0	0
Total	t	1 655	2 145	1 488	1 165	1 464	1 209	1 485	1 399
Value									
Fresh, chilled or frozen	\$'000	40 641	49 501	31 639	26 639	34 789	32 560	38 748	35 392
China	\$'000	1 032	3 871	11	5	0	0	769	445
France	\$'000	795	0	0	0	0	2 704	6 462	4 551
Hong Kong, China	\$'000	28 688	33 506	21 270	18 732	26 109	21 971	21 241	21 020
Malaysia	\$'000	2 261	2 994	2 471	1 611	1 287	949	1 563	1 130
Singapore	\$'000	6 608	8 317	7 389	5 392	5 715	5 232	7 314	7 278
United States	\$'000	0	0	0	63	74	38	19	11
Other	\$'000	1 257	814	498	836	1 603	1 666	1 380	956
Other	\$'000	1 371	3 904	2 794	2 048	126	6	25	3
Hong Kong, China	\$'000	1 009	2 694	2 782	2 036	93	5	24	0
Other	\$'000	362	1 210	12	11	34	0	1	3
Total	\$'000	42 012	53 405	34 433	28 686	34 916	32 566	38 773	35 395
Imports									
Quantity									
Fresh, chilled or frozen									
China	t	141	260	454	654	928	1 398	1 355	1 583
Indonesia	t	23	98	39	18	14	8	19	194
Japan	t	835	826	664	937	664	391	523	337
New Zealand	t	43	33	29	13	1	1	1	1
Peru	t	74	68	0	12	37	0	6	7
Thailand	t	366	396	360	338	408	310	257	365
Viet Nam	t	50	96	48	7	7	20	43	32
Other	t	240	253	89	65	53	29	87	243
Total	t	1 665	1 856	1 617	2 024	2 104	2 297	2 421	2 665
Value									
Fresh, chilled or frozen									
China	\$'000	2 034	4 179	6 137	6 618	8 823	15 250	16 201	16 442
Indonesia	\$'000	153	798	424	144	100	41	145	943
Japan	\$'000	14 698	13 609	9 058	12 033	7 557	6 027	7 780	4 795
New Zealand	\$'000	684	614	566	267	20	7	5	26
Peru	\$'000	970	785	0	140	316	1	41	37
Thailand	\$'000	5 592	6 274	4 863	4 114	4 547	3 490	2 860	4 695
Viet Nam	\$'000	308	603	564	64	49	144	401	366
Other	\$'000	2 599	3 137	1 397	935	441	324	980	1 639
Total	\$'000	25 928	28 388	22 219	24 241	22 027	27 458	30 756	29 814

a Product weight.

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

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

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity ^b								
Live fish	t	na	na	na	na	na	na	na
Whole	t	19 634	24 187	24 096	20 434	20 406	18 534	18 495
China	t	1 239	1 761	2 101	1 369	1 734	672	743
Chinese Taipei	t	182	151	93	77	35	9	255
Germany	t	165	76	20	246	101	41	96
Japan	t	12 699	15 555	14 215	13 508	11 162	11 134	9 471
Saudi Arabia	t	60	135	120	119	134	75	37
Singapore	t	750	581	175	98	257	99	118
Thailand	t	1 241	1 308	1 087	826	2 077	1 635	1 866
United States	t	1 639	1 903	1 612	1 217	1 009	964	959
Other	t	1 659	2 716	4 672	2 974	3 896	3 906	4 951
Fillets	t	3 308	3 996	3 237	2 779	2 537	2 023	1 757
Japan	t	1 368	807	266	219	194	155	463
Thailand	t	13	0	1	127	140	1	31
United States	t	886	1 461	1 194	768	775	402	161
Other	t	1 040	1 728	1 776	1 666	1 427	1 466	1 102
Smoked, dried or salted	t	291	178	222	187	164	135	229
Canned	t	762	773	714	834	1 234	1 204	1 291
Other	t	4 106	2 263	1 783	1 736	1 591	1 364	1 184
Chinese Taipei	t	180	156	106	164	139	105	58
Japan	t	2 243	254	115	624	380	86	89
New Zealand	t	109	66	76	37	74	129	179
Other	t	1 574	1 786	1 486	911	998	1 043	859
Total	t	28 102	31 396	30 052	25 970	25 931	23 260	22 956
Value								
Live fish	\$'000	41 585	47 271	46 991	39 316	34 946	40 078	40 825
Whole	\$'000	308 807	383 530	376 677	311 085	209 555	208 048	194 718
China	\$'000	433	4 364	3 675	3 549	4 378	1 498	1 871
Chinese Taipei	\$'000	2 226	2 190	1 459	816	305	156	1 446
Germany	\$'000	1 254	726	166	1 320	600	354	879
Japan	\$'000	268 382	330 927	331 251	277 718	172 045	178 452	156 577
Saudi Arabia	\$'000	69	161	124	122	139	78	45
Singapore	\$'000	3 042	2 399	1 562	776	1 253	728	1 165
Thailand	\$'000	3 346	3 210	3 331	2 130	4 729	3 725	4 819
United States	\$'000	20 070	22 268	19 320	13 537	10 794	10 268	9 046
Other	\$'000	9 985	17 286	15 790	11 117	15 311	12 789	18 869
Fillets	\$'000	25 334	27 385	24 455	17 007	18 612	14 637	12 814
Japan	\$'000	9 074	3 420	1 689	1 222	1 318	878	4 495
Thailand	\$'000	52	2	10	239	268	7	418
United States	\$'000	11 373	15 763	15 411	8 541	11 306	6 121	2 083
Other	\$'000	4 836	8 199	7 346	7 005	5 720	7 631	5 818
Smoked, dried or salted	\$'000	15 703	15 958	18 608	19 471	20 047	13 687	15 305
Canned	\$'000	4 482	5 165	5 031	6 354	6 587	6 797	6 300
Other	\$'000	82 443	22 517	13 439	16 748	14 627	11 515	10 435
Chinese Taipei	\$'000	3 244	3 583	2 694	3 496	4 167	2 743	1 417
Japan	\$'000	67 897	8 270	2 950	6 701	4 971	2 611	2 826
New Zealand	\$'000	300	268	275	308	372	766	745
Other	\$'000	11 001	10 396	7 519	6 243	5 117	5 395	5 448
Total	\$'000	478 353	501 826	485 201	409 980	304 375	294 762	280 398

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

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

120 Australian imports of fish, by product type and source

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity ^a								
Live	t	na	na	na	na	na	na	na
Fresh, chilled or frozen	t	54 249	57 960	60 090	64 475	59 847	59 724	59 772
Whole	t	16 980	20 842	23 408	24 846	21 368	18 157	16 614
New Zealand	t	9 810	9 909	11 586	13 429	9 563	8 543	9 132
Fillets	t	37 268	37 118	36 682	39 630	38 479	41 567	43 157
Chile	t	3 358	3 492	1 984	1 880	1 192	835	241
New Zealand	t	13 004	12 967	12 325	10 819	8 444	8 628	9 811
South Africa	t	5 793	6 139	5 256	5 144	3 989	2 625	3 023
Uganda	t	3 530	1 826	1 674	1 691	803	621	778
Smoked, dried or salted	t	2 941	2 151	2 801	2 811	2 957	3 074	4 219
South Africa	t	1 052	453	1 039	668	823	846	1 130
Denmark	t	303	534	581	895	936	923	1 170
Thailand	t	535	55	59	62	29	21	56
Canned	t	41 609	36 944	47 398	58 804	53 443	52 687	52 156
Canada	t	3 451	3 708	3 534	3 833	3 784	4 206	3 204
Thailand	t	24 676	22 771	30 142	44 266	38 872	36 952	36 373
United States	t	7 367	4 425	5 385	5 055	5 037	4 687	6 151
Other fish preparations	t	9 841	10 544	13 453	12 474	14 508	13 721	17 497
Japan	t	237	232	253	280	348	222	130
New Zealand	t	4 055	4 097	5 001	3 583	3 598	3 229	5 592
Thailand	t	2 416	2 825	3 915	3 746	5 462	4 524	4 818
Total	t	108 639	107 599	123 742	138 564	130 756	129 207	133 644
Value								
Live	\$'000	22	35	6	19	5	1	4
Fresh, chilled or frozen	\$'000	246 850	278 527	283 171	273 671	262 302	272 718	316 572
Whole	\$'000	59 823	68 935	77 118	78 122	72 742	71 421	81 424
New Zealand	\$'000	37 009	37 854	44 080	47 703	43 948	45 441	54 512
Fillets	\$'000	187 027	209 592	206 054	195 548	189 560	201 297	235 148
Chile	\$'000	12 380	12 524	6 554	4 925	3 330	2 352	809
New Zealand	\$'000	70 307	75 632	73 970	61 017	51 018	51 052	62 097
South Africa	\$'000	28 393	32 013	29 073	27 461	20 983	14 536	17 938
Uganda	\$'000	12 611	12 332	10 931	7 337	3 488	3 387	4 606
Smoked, dried or salted	\$'000	23 164	24 792	26 263	30 459	34 053	36 191	53 076
South Africa	\$'000	4 728	2 495	4 847	3 238	4 227	4 448	5 766
Denmark	\$'000	4 915	9 564	9 828	14 746	16 769	17 003	24 142
Thailand	\$'000	1 524	474	404	501	196	178	337
Canned	\$'000	193 656	182 209	218 762	186 148	188 745	228 710	243 766
Canada	\$'000	25 207	20 797	23 358	19 911	19 135	23 280	19 206
Thailand	\$'000	86 888	103 096	118 569	108 463	111 617	143 119	150 631
United States	\$'000	38 248	21 174	27 755	22 146	21 322	21 577	31 946
Other fish preparations	\$'000	45 514	51 138	62 352	54 510	62 181	64 451	87 632
Japan	\$'000	2 398	2 580	2 359	2 331	3 002	1 860	1 452
New Zealand	\$'000	15 702	17 519	22 555	17 690	17 345	15 945	28 780
Thailand	\$'000	10 254	11 548	14 689	11 957	15 814	14 352	15 375
Total	\$'000	509 207	536 701	590 553	544 806	547 285	602 070	701 050

^a Product weight. **na** Not available.

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

121 Australian exports and imports of oysters, by country

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Exports									
Quantity									
China	t	7	7	5	7	0	0	1	3
Chinese Taipei	t	2	7	5	2	0	1	1	0
Hong Kong, China	t	60	166	85	55	81	103	101	178
Japan	t	21	13	22	34	26	58	63	45
Singapore	t	60	40	77	60	6	5	9	4
Other	t	1	12	24	6	5	7	13	19
Total	t	152	246	219	163	119	174	187	249
Value									
China	\$'000	68	46	34	90	0	0	12	27
Chinese Taipei	\$'000	19	64	45	88	3	8	9	0
Hong Kong, China	\$'000	1 885	4 903	1 596	541	692	870	784	1 560
Japan	\$'000	133	201	265	542	326	719	777	521
Singapore	\$'000	757	744	1 000	428	106	82	86	35
Other	\$'000	21	325	561	52	55	66	115	151
Total	\$'000	2 884	6 283	3 501	1 742	1 182	1 746	1 783	2 294
Imports									
Quantity									
China	t	2	2	2	47	4	8	1	7
Hong Kong, China	t	1	2	2	3	1	1	2	1
Japan	t	32	15	18	30	41	11	0	0
Korea, Rep. of	t	12	11	18	28	28	15	0	2
New Zealand	t	612	565	580	685	674	872	673	827
Other	t	1	0	0	0	1	3	1	0
Total	t	660	596	621	792	749	910	678	837
Value									
China	\$'000	61	82	86	295	105	72	17	87
Hong Kong, China	\$'000	57	90	74	90	31	32	65	16
Japan	\$'000	403	219	237	364	440	113	1	0
Korea, Rep. of	\$'000	121	129	197	243	221	106	1	12
New Zealand	\$'000	4 549	3 872	4 134	5 933	5 981	6 631	5 710	6 725
Other	\$'000	22	21	13	0	19	21	13	0
Total	\$'000	5 213	4 414	4 740	6 926	6 797	6 975	5 808	6 841

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

122 Summary statistics for the Australian processed food industry

	Employment at 30 June a		Wages and salaries b		Sales and service income c		Industry value added	
	2003-04 '000	2004-05 '000	2003-04 \$m	2004-05 \$m	2003-04 \$m	2004-05 \$m	2003-04 \$m	2004-05 \$m
Meat								
Meat processing	29	29	1 034	1 117	10 034	11 299	1 658	1 836
Poultry processing	16	17	655	758	3 848	3 942	1 114	1 218
Bacon, ham and smallgoods	8	9	317	331	2 126	2 530	496	480
Total	52	56	2 006	2 206	16 008	17 771	3 269	3 534
Dairy								
Milk and cream processing	7	7	312	310	2 919	3 137	625	685
Ice cream	2	1	67	43	553	350	127	92
Other dairy products	11	10	522	518	5 519	5 993	795	954
Total	19	18	901	871	8 991	9 480	1 547	1 731
Fruit and vegetables								
	13	13	610	581	4 606	4 886	1 163	1 188
Oil and fat								
	3	2	169	102	1 683	1 480	406	276
Flour mill and cereal food								
Flour mill products	2	2	120	110	1 560	1 404	290	266
Cereal food and baking mixes	6	7	280	332	2 024	2 409	610	689
Total	8	9	400	442	3 584	3 813	899	955
Bakery products								
Bread	11	10	461	451	1 810	1 785	720	706
Cakes and pastry products	9	8	269	256	1 113	1 121	404	375
Biscuits	5	5	212	236	870	964	387	404
Total	25	23	941	943	3 794	3 870	1 510	1 485
Other food								
Sugar	5	4	232	230	2 005	1 998	302	423
Confectionery	10	10	559	609	3 758	3 983	1 311	1 322
Seafood	4	4	132	121	1 413	1 362	235	196
Prepared animal and bird feed	4	5	222	257	2 676	2 876	444	500
Food nec	20	17	753	749	5 307	5 267	1 221	1 337
Total	43	42	1 898	1 966	15 159	15 486	3 512	3 778
Beverage and malt								
Soft drink, cordial and syrup	7	7	350	362	3 310	3 553	1 052	1 095
Beer and malt	4	4	304	302	3 623	3 608	1 431	1 511
Wine	15	16	704	737	5 541	5 840	1 691	1 895
Spirits	na	na	na	na	na	na	na	na
Total d	27	27	1 358	1 401	12 474	13 001	4 174	4 501
Total food and beverages d	190	189	8 282	8 512	66 299	69 787	16 480	17 448

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

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

123 Value of Australian food exports, by level of transformation

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	625	754	938	1 001	602	594	668	752
Fish or shellfish	639	772	868	773	677	584	657	632
Horticulture								
Vegetables	191	201	218	200	161	155	149	146
Fruit and nuts	397	477	562	533	407	462	454	310
Total	588	678	780	732	568	617	603	456
Grains a	4 208	5 294	5 854	3 873	4 655	4 672	4 305	3 327
Oilseeds	799	722	752	401	550	492	412	167
Food nec	55	81	61	73	46	46	49	54
Substantially transformed								
Meat								
Meat processing	4 441	5 770	6 215	5 626	5 723	6 902	6 673	7 048
Poultry processing	21	26	26	22	20	20	21	26
Bacon, ham and smallgoods	87	66	80	83	84	107	91	43
Total	4 548	5 862	6 322	5 730	5 827	7 029	6 785	7 117
Seafood	910	981	852	753	660	689	606	550
Dairy								
Milk and cream processing	1 126	1 555	1 651	1 181	1 076	1 108	1 210	1 089
Ice cream	37	34	32	29	35	42	41	42
Other dairy products	1 306	1 487	1 594	1 286	1 176	1 335	1 318	1 307
Total	2 468	3 076	3 277	2 496	2 288	2 485	2 569	2 438
Fruit and vegetables	532	572	662	535	518	511	555	574
Oil and fat	132	129	150	146	147	151	150	169
Flour mill and cereal food								
Flour mill products	209	207	233	214	202	223	230	269
Cereal food and baking mixes	531	546	402	261	222	219	248	372
Total	740	753	636	474	424	441	478	642
Bakery products								
Bread, cakes and pastry products	19	15	8	3	4	5	9	10
Biscuits	69	73	93	97	106	114	107	111
Total	89	88	100	99	110	118	116	121
Other food								
Sugar a	1 111	1 192	1 446	1 238	1 000	1 169	1 645	1 474
Confectionery	233	265	289	295	271	259	208	215
Food nec	913	1 114	1 249	1 075	1 129	1 080	1 099	1 143
Total	2 257	2 571	2 984	2 608	2 400	2 509	2 952	2 832
Beverages and malt								
Soft drink, cordial and syrup	26	45	42	48	53	46	42	39
Beer and malt	213	267	317	324	282	241	218	273
Wine	1 375	1 756	2 109	2 428	2 497	2 721	2 768	2 894
Spirit	89	115	120	106	84	92	91	89
Total	1 703	2 183	2 588	2 905	2 915	3 100	3 120	3 294
Total food and beverages								
Minimally transformed	6 914	8 302	9 253	6 852	7 099	7 006	6 694	5 389
Substantially transformed	13 103	15 913	17 231	15 382	14 942	16 692	17 045	17 440
Elaborately transformed	276	304	340	365	347	341	286	297
Total	20 294	24 518	26 823	22 598	22 389	24 039	24 025	23 127

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 25		NAFTA	
	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m
Minimally transformed						
Live animals except fish	302	399	1	0	10	4
Fish or shellfish	628	600	6	7	13	12
Horticulture						
Vegetables	87	75	16	22	1	1
Fruit and nuts	282	203	24	22	57	12
Total	369	278	40	44	58	13
Grains a	2 324	2 412	64	57	1	1
Oilseeds	261	146	110	6	6	6
Food nec	24	34	7	4	4	4
Substantially transformed						
Meat						
Meat processing	4 068	4 236	208	236	1 726	1 812
Poultry processing	9	10	0	0	0	0
Bacon, ham and smallgoods	71	28	4	2	0	0
Total	4 148	4 275	212	238	1 726	1 813
Seafood	400	370	61	37	105	108
Dairy						
Milk and cream processing	926	798	16	17	45	30
Ice cream	26	27	0	0	0	0
Other dairy products	737	800	81	70	155	130
Total	1 690	1 625	97	87	201	160
Fruit and vegetables	205	239	85	81	50	50
Oil and fat	75	79	7	6	11	15
Flour mill and cereal food						
Flour mill products	147	167	1	2	47	53
Cereal food and baking mixes	54	54	5	6	6	4
Total	201	221	6	9	53	57
Bakery products						
Bread, cakes and pastry products	0	0	0	0	0	0
Biscuits	10	9	10	6	6	8
Total	10	9	10	6	6	8
Other food						
Sugar a	1 246	1 177	1	10	233	127
Confectionery	101	87	5	6	10	8
Food nec	703	742	41	42	33	40
Total	2 050	2 005	47	58	275	175
Beverages and malt						
Soft drink, cordial and syrup	11	9	1	1	1	1
Beer and malt	194	246	0	0	0	0
Wine	193	247	1 303	1 359	1 112	1 115
Spirit	29	26	7	13	1	1
Total	426	528	1 311	1 373	1 114	1 117
Total food and beverage						
Minimally transformed	3 906	3 870	227	119	91	39
Substantially transformed	9 124	9 282	1 822	1 881	3 527	3 489
Elaborately transformed	82	69	14	12	15	14
Total	13 112	13 220	2 063	2 012	3 633	3 541

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Minimally transformed								
Live animals except fish	1	0	1	0	0	1	1	1
Fish or shellfish	35	37	37	41	46	46	47	57
Horticulture								
Vegetables	27	26	24	27	34	32	41	45
Fruit and nuts	99	110	117	115	140	159	191	194
Total	126	136	141	142	173	191	233	238
Grains	1	0	0	65	1	1	1	2
Oilseeds	23	24	21	61	50	25	20	78
Food nec	55	81	61	73	46	46	49	54
Substantially transformed								
Meat								
Meat processing	133	105	206	172	224	345	290	446
Poultry processing	0	0	0	0	0	0	0	0
Bacon, ham and smallgoods	29	31	36	39	40	41	43	42
Total	161	136	242	211	264	387	333	489
Seafood	751	843	865	923	868	928	998	1 151
Dairy								
Milk and cream processing	29	37	29	34	35	45	45	40
Ice cream	17	21	15	22	22	29	30	40
Other dairy products	230	261	277	275	272	310	357	401
Total	276	319	321	331	330	384	432	480
Fruit and vegetables	721	755	818	921	945	1 027	1 043	1 233
Oil and fat	274	278	283	365	373	376	417	481
Flour mill and cereal food								
Flour mill products	79	77	22	41	59	73	57	34
Cereal food and baking mixes	139	196	226	236	260	285	305	325
Total	219	273	248	277	319	358	362	359
Bakery products								
Bread, cakes and pastry products	81	92	89	106	117	120	138	163
Biscuits	80	82	106	152	160	177	199	254
Total	161	174	196	257	277	297	337	417
Other food								
Sugar	11	12	16	20	15	18	19	20
Confectionery	213	224	222	245	261	307	333	371
Food nec	757	859	923	1 034	963	1 038	1 075	1 186
Total	981	1 095	1 161	1 299	1 240	1 363	1 427	1 578
Beverages and malt								
Soft drink, cordial and syrup	330	405	421	461	502	537	571	656
Beer and malt	42	52	66	78	91	99	112	126
Wine	114	92	116	139	158	200	248	334
Spirit	255	334	355	331	354	390	414	465
Total	740	884	957	1 010	1 105	1 226	1 345	1 582
Total food and beverages								
Minimally transformed	241	279	262	383	317	309	350	430
Substantially transformed	4 148	4 614	4 919	5 390	5 504	6 119	6 435	7 430
Elaborately transformed	136	143	172	204	217	228	259	338
Total	4 525	5 036	5 352	5 976	6 038	6 656	7 043	8 199

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

126 Value of Australian food imports from selected regions

	Asia		European Union 25		NAFTA	
	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m	2005-06 \$m	2006-07 \$m
Minimally transformed						
Live animals except fish	0	0	0	0	0	0
Fish or shellfish	1	2	0	0	0	0
Horticulture						
Vegetables	15	16	1	1	5	8
Fruit and nuts	23	25	6	15	61	67
Total	38	41	7	16	66	75
Grains	0	1	0	0	0	1
Oilseeds	13	17	1	1	3	28
Food nec	52	74	4	4	2	3
Substantially transformed						
Meat						
Meat processing	0	0	101	173	158	251
Poultry processing	0	0	0	0	0	0
Bacon, ham and smallgoods	1	1	6	7	14	17
Total	1	1	107	181	172	268
Seafood	652	752	45	55	58	64
Dairy						
Milk and cream processing	4	3	1	2	1	2
Ice cream	7	9	6	13	3	3
Other dairy products	5	7	85	99	6	15
Total	15	19	92	115	10	20
Fruit and vegetables	315	367	218	249	117	141
Oil and fat	170	184	189	225	22	13
Flour mill and cereal food						
Flour mill products	12	11	10	8	19	6
Cereal food and baking mix	178	150	79	122	10	14
Total	190	161	89	130	29	20
Bakery products						
Bread, cakes and pastry products	46	55	33	43	11	8
Biscuits	67	87	64	78	11	9
Total	112	142	98	121	22	17
Other food						
Sugar	11	13	2	3	2	2
Confectionery	65	73	150	169	18	20
Food nec	393	427	260	317	145	153
Total	468	514	412	488	165	176
Beverages and malt						
Soft drink, cordial and syrup	20	34	444	477	12	12
Beer and malt	8	11	50	56	45	53
Wine	1	0	130	168	2	2
Spirit	4	5	218	238	153	164
Total	33	50	841	938	213	231
Total food and beverages						
Minimally transformed	104	134	12	21	72	107
Substantially transformed	1 887	2 096	2 004	2 388	793	937
Elaborately transformed	70	93	87	115	14	12
Total	2 061	2 323	2 104	2 524	879	1 056

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

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

	2001	2002	2003	2004	2005	Share b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
Minimally transformed						
Live animals except fish	8 781	9 349	9 387	10 797	12 225	1.9
Fish or shellfish						
Fish, live or fresh	26 284	27 067	29 666	33 624	37 516	5.7
Fish, dried, salted or smoked	2 813	2 628	2 859	3 161	3 283	0.5
Shellfish	18 225	18 299	20 131	20 975	21 223	3.7
Horticulture						
Vegetables	23 189	24 357	27 519	30 612	31 289	5.1
Fruit and nuts	32 003	34 543	41 122	46 997	51 839	7.7
Cocoa	4 904	6 770	9 672	9 202	9 649	1.5
Eggs, albumin	1 469	1 549	1 890	2 212	2 167	0.3
Grains and oilseeds						
Barley	2 724	2 650	2 838	3 472	3 892	0.6
Maize	10 031	11 048	12 600	14 465	13 123	2.3
Oilseeds, not soft oil	804	888	1 050	1 244	1 293	0.2
Oilseeds, soft oil	16 449	16 556	22 209	25 885	24 786	3.9
Rice	5 817	6 109	7 046	8 195	8 514	1.3
Wheat or meslin	15 530	16 559	17 267	20 908	19 291	3.3
Other cereal grains, nec	1 610	1 655	1 763	1 891	1 766	0.3
Substantially transformed						
Meat						
Beef, fresh, chilled or frozen	12 718	13 959	16 268	18 175	19 940	3.0
Meat, fresh, chilled or frozen	25 763	25 731	29 299	34 236	37 299	5.6
Meat or offal, preserved	2 252	2 187	2 537	2 525	2 459	0.4
Meat or offal, preserved, nec	5 814	6 178	7 237	8 584	9 911	1.4
Dairy						
Milk products, excluding butter and cheese	14 887	14 280	16 898	19 750	20 977	3.2
Butter and cheese	2 849	2 753	3 654	4 216	4 295	0.7
Cheese and curd	10 408	11 031	13 210	15 640	16 035	2.5
Fish or shellfish	9 801	10 474	11 512	13 013	13 933	2.2
Cereal products						
Flour or meal from wheat or meslin	1 357	1 395	1 486	1 866	1 962	0.3
Cereal flour or meal, nec	478	503	604	692	642	0.1
Cereal etc flour or starch	14 631	16 379	19 649	22 842	24 180	3.6
Horticulture						
Vegetables, prepared or preserved	10 098	10 850	12 536	14 449	14 995	2.3
Fruit, prepared or preserved	6 267	6 751	8 215	9 496	10 438	1.5
Fruit or vegetable juices	6 183	6 836	7 985	8 256	7 802	1.4
Sugar and confectionery						
Sugar, molasses and honey	13 726	13 122	14 430	15 519	18 527	2.8
Sugar confectionery	4 111	4 447	5 300	5 925	6 253	1.0
Chocolate and cocoa preparations	7 255	7 932	9 655	11 356	12 021	1.8

Continued

127

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

	2001	2002	2003	2004	2005	Share ^b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
Animal and vegetable oil						
Margarine and shortening	1 296	1 406	1 655	2 061	2 126	0.3
Animal oil or fat	1 622	1 832	2 201	2 680	2 631	0.4
Vegetable oil or fat, fixed, soft	8 865	10 787	13 504	16 013	16 724	2.4
Vegetable oils, fixed, not soft	6 504	8 801	11 789	14 378	14 193	2.1
Animal or vegetable oils, processed	2 942	3 287	4 035	4 522	4 763	0.7
Other food						
Coffee and coffee substitutes	9 575	9 030	10 823	12 545	16 176	2.2
Tea and mate	3 034	3 047	3 198	3 525	3 765	0.6
Spices	2 721	2 684	3 105	3 283	3 067	0.6
Edible products, nec	19 896	21 772	25 859	30 541	33 034	4.9
Beverage						
Beverages, nonalcoholic, nec	5 589	6 373	7 530	8 894	9 887	1.4
Alcoholic beverages	30 463	32 983	38 293	43 694	46 202	7.1
Animal feed ^c	23 644	24 749	27 705	33 121	33 042	5.3
Total	435 381	461 586	537 191	615 435	649 132	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2001 - 2005. ^c Excludes unmilled cereal.
Sources: International Trade Centre, UNCTAD/WTO; ABARE.

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

	2001	2002	2003	2004	2005	Share ^b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
Meat						
Australia	3 281	3 240	3 455	4 804	5 236	7.0
Denmark	3 741	3 568	3 961	4 690	4 655	7.2
France	2 926	3 026	3 675	3 961	4 049	6.2
Netherlands	3 933	4 116	4 911	5 726	6 010	8.7
United States	7 379	6 477	7 379	5 275	6 700	11.7
Other	25 403	26 900	31 836	39 057	45 074	59.2
Total	46 664	47 327	55 217	63 513	71 724	100.0
Dairy						
Australia	1 568	1 569	1 349	1 746	1 859	4.6
France	3 709	3 878	4 663	5 186	5 379	13.1
Germany	4 507	3 886	5 327	6 671	6 156	15.2
Netherlands	3 356	3 311	4 358	4 721	4 649	11.7
New Zealand	2 679	2 418	2 771	3 317	3 665	8.5
Other	13 031	12 794	15 588	19 373	21 223	46.9
Total	28 850	27 856	34 056	41 014	42 930	100.0
Seafood						
Australia	63	45	74	77	77	0.6
China	1 428	1 628	1 923	2 594	3 177	18.4
Denmark	445	452	533	594	634	4.6
Korea, Rep. of	262	232	203	207	184	1.9
Thailand	2 012	2 015	2 145	2 253	2 497	18.7
Other	5 431	5 707	6 551	7 195	7 746	55.9
Total	9 641	10 080	11 429	12 920	14 314	100.0
Horticulture						
Australia	124	140	177	178	101	0.5
China	1 869	2 155	2 684	3 207	3 857	10.1
Italy	1 615	1 863	2 178	2 332	2 295	7.5
Netherlands	1 859	2 053	2 452	2 729	2 674	8.6
United States	2 377	2 385	2 379	2 533	2 671	9.0
Other	14 208	15 650	18 865	20 333	18 556	64.2
Total	22 053	24 247	28 736	31 310	30 155	100.0
Beverages ^c						
Australia	1 089	1 370	1 646	2 088	2 201	3.6
France	7 600	8 562	10 380	11 102	11 408	21.2
Germany	1 853	2 145	2 824	3 496	3 316	5.9
Italy	3 148	3 669	4 238	4 896	5 015	9.1
United Kingdom	4 661	4 974	5 721	6 179	6 360	12.1
Other	17 059	18 647	22 333	25 615	27 723	48.1
Total	35 409	39 367	47 142	53 376	56 023	100.0
Sugar and confectionery						
Australia	219	244	259	317	306	0.9
Belgium-Luxembourg	1 869	1 860	2 278	2 820	2 918	8.0
Brazil	2 485	2 302	2 442	2 987	4 274	9.9
France	2 272	2 520	2 866	3 168	2 583	9.1
Germany	2 214	2 298	2 785	3 327	3 370	9.5
Other	15 585	15 986	18 252	20 036	22 246	62.6
Total	24 643	25 211	28 882	32 655	35 697	100.0

Continued

128

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

	2001	2002	2003	2004	2005	Share ^b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
Animal and vegetable oil						
Argentina	1 642	2 096	2 842	3 171	3 307	8.2
Australia	203	215	260	319	292	0.8
Malaysia	3 355	4 837	6 503	7 193	6 677	18.0
Netherlands	1 270	1 632	2 005	2 333	2 417	6.1
United States	1 471	2 004	2 108	2 115	1 960	6.1
Other	12 225	15 601	19 329	23 864	25 685	60.8
Total	20 167	26 384	33 048	38 995	40 338	100.0
Animal feed ^d						
Argentina	2 627	2 790	3 500	3 835	4 032	12.9
Australia	483	522	540	708	584	2.2
Brazil	2 167	2 300	2 713	3 402	2 998	10.4
Netherlands	1 617	1 886	2 144	2 808	2 943	8.7
United States	4 478	4 114	4 159	3 981	4 203	16.1
Other	10 481	11 158	12 647	14 928	15 561	49.7
Total	21 853	22 770	25 703	29 662	30 321	100.0
Cereal products						
Australia	289	319	364	448	448	1.7
Belgium-Luxembourg	1 499	1 651	2 007	2 317	2 346	8.8
France	1 534	1 736	2 177	2 531	2 609	9.5
Germany	1 668	1 914	2 431	3 085	3 045	10.9
Italy	1 854	2 034	2 352	2 669	2 652	10.3
Other	10 119	11 256	13 110	14 886	16 497	58.9
Total	16 962	18 910	22 442	25 935	27 597	100.0
Other processed food						
Australia	211	228	300	333	330	0.7
Brazil	1 826	1 681	1 836	2 419	3 329	5.3
France	1 607	1 752	2 137	2 394	2 351	4.8
Netherlands	1 703	1 969	2 488	3 256	3 346	6.0
United States	3 579	3 553	3 935	4 339	4 752	9.5
Other	24 545	25 660	30 062	35 241	40 033	73.6
Total	33 471	34 843	40 757	47 981	54 140	100.0
All processed food						
Australia	7 532	7 892	8 423	11 017	11 434	2.8
France	22 364	24 502	29 625	32 491	32 825	8.6
Germany	20 113	21 132	25 923	32 443	32 266	8.0
Netherlands	17 673	19 504	23 830	27 438	27 982	7.1
United States	24 726	23 877	25 761	24 956	27 484	7.7
Other	167 306	180 089	213 850	249 015	271 250	65.8
Total	259 713	276 996	327 413	377 360	403 241	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2001-2005. ^c Alcoholic and nonalcoholic. ^d Excludes unmilled cereal.

Sources: International Trade Centre UNCTAD/WTO; ABARE.

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

	2001	2002	2003	2004	2005	Share ^b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
Meat						
Australia	90	117	153	208	279	0.3
Germany	4 059	3 918	4 356	5 627	5 322	8.2
Italy	3 001	3 077	3 807	4 441	4 716	6.7
Japan	8 409	7 776	8 655	9 124	9 746	15.4
United Kingdom	3 987	4 268	5 477	6 478	6 556	9.5
Other	27 003	28 898	32 893	37 641	42 989	59.9
Total	46 548	48 055	55 341	63 520	69 608	100.0
Dairy						
Australia	165	157	200	255	297	0.6
Belgium-Luxembourg	2 048	2 106	2 604	2 947	2 891	7.4
Germany	2 958	3 214	4 093	4 740	4 274	11.3
Italy	2 455	2 396	3 031	3 574	3 423	8.7
Netherlands	1 694	1 811	2 257	2 532	2 584	6.4
Other	18 824	18 379	21 577	25 557	27 838	65.6
Total	28 144	28 064	33 762	39 605	41 306	100.0
Seafood						
Australia	171	179	215	234	277	1.8
France	613	716	810	884	937	6.7
Japan	2 239	2 284	2 170	2 707	2 614	20.5
United Kingdom	780	792	842	945	990	7.4
United States	1 951	2 157	2 362	2 576	2 749	20.1
Other	4 047	4 346	5 114	5 666	6 365	43.5
Total	9 801	10 474	11 512	13 013	13 933	100.0
Horticulture						
Australia	217	241	322	407	422	1.1
France	1 721	1 972	2 450	2 824	2 882	8.4
Germany	2 915	3 100	3 858	4 341	4 284	13.1
Japan	2 499	2 355	2 463	2 803	3 019	9.3
United States	3 145	3 374	3 907	4 282	4 583	13.7
Other	12 052	13 396	15 735	17 544	18 044	54.4
Total	22 548	24 437	28 736	32 201	33 235	100.0
Beverages ^c						
Australia	371	368	458	575	649	1.1
Germany	3 333	3 553	3 770	4 542	4 258	8.5
Japan	1 935	1 893	2 075	2 309	2 231	4.5
United Kingdom	4 211	4 603	5 424	6 540	6 763	12.0
United States	8 964	9 959	11 244	12 085	13 356	24.2
Other	17 237	18 980	22 852	26 537	28 831	49.8
Total	36 051	39 356	45 823	52 588	56 089	100.0
Sugar and confectionery						
Australia	139	154	214	251	293	0.7
France	1 302	1 513	1 849	2 131	2 064	5.9
Germany	1 671	1 760	2 336	2 801	2 455	7.4
United Kingdom	1 698	1 823	2 132	2 574	2 822	7.4
United States	2 534	2 894	3 400	3 476	3 943	10.9
Other	17 748	17 356	19 454	21 566	25 225	67.8
Total	25 092	25 501	29 385	32 800	36 802	100.0

Continued

129

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

	2001	2002	2003	2004	2005	Share ^b
	US\$m	US\$m	US\$m	US\$m	US\$m	%
Animal and vegetable oil						
Australia	152	193	246	295	302	0.7
Germany	1 121	1 316	1 664	2 200	2 385	5.4
Italy	1 339	1 665	2 070	2 609	2 702	6.5
United Kingdom	866	922	1 144	1 110	1 135	3.2
United States	1 297	1 458	1 707	2 437	2 564	5.9
Other	16 453	20 559	26 353	31 003	31 349	78.3
Total	21 229	26 113	33 184	39 654	40 438	100.0
Animal feed ^d						
Australia	122	165	202	196	219	0.6
China	639	772	659	947	1 306	3.0
France	1 484	1 521	1 800	1 958	1 942	6.1
Germany	1 679	1 705	1 846	2 334	2 060	6.8
Japan	2 114	2 155	2 309	2 533	2 602	8.2
Other	17 607	18 431	20 888	25 153	24 914	75.2
Total	23 644	24 749	27 705	33 121	33 042	100.0
Cereal products						
Australia	130	137	187	235	269	0.9
France	1 266	1 432	1 725	1 986	2 038	7.8
Germany	1 310	1 468	1 693	2 060	1 898	7.8
United Kingdom	1 092	1 229	1 515	1 878	1 873	7.0
United States	2 004	2 286	2 634	2 883	3 181	12.0
Other	10 664	11 725	13 984	16 360	17 525	64.7
Total	16 466	18 278	21 738	25 401	26 783	100.0
Other processed food						
Australia	647	713	895	1 027	1 166	2.0
France	1 628	1 784	2 260	2 428	2 666	4.9
Germany	2 901	2 800	3 419	4 219	4 741	8.2
Japan	2 308	2 234	2 391	2 771	3 210	5.9
United States	4 059	4 401	4 980	5 686	6 567	11.6
Other	23 683	24 601	29 040	33 763	37 691	67.4
Total	35 226	36 533	42 985	49 894	56 042	100.0
All processed food						
Australia	2 203	2 426	3 092	3 684	4 172	0.9
Germany	22 479	23 399	27 694	33 562	32 402	8.4
Japan	22 353	21 567	23 217	25 840	27 239	7.2
United Kingdom	18 889	20 037	24 764	29 224	30 108	7.4
United States	30 125	32 784	36 781	41 696	45 295	11.2
Other	168 698	181 346	214 622	247 790	268 061	64.9
Total	264 749	281 560	330 171	381 796	407 277	100.0

^a Based on over 100 reporting countries representing more than 90 per cent of world trade. ^b Average, 2001–2005. ^c Alcoholic and nonalcoholic.

^d Excludes unmilled cereal.

Sources: International Trade Centre, UNCTAD/WTO.

130 Summary of Australian statistics for roundwood ^a

	Removals of roundwood ^a			Imports ^b	Exports ^b	Consumption	Consumption per person
	Broadleaved	Coniferous	Total				
	'000 m ³	'000 m ³	'000 m ³				
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	9 437	10 640	20 077	7 502	8 462	19 117	1.03
1997-98	10 143	11 016	21 158	8 036	10 238	18 957	1.01
1998-99	9 878	10 960	20 838	8 116	10 013	18 941	1.00
1999-00	11 933	12 475	24 408	9 572	12 214	21 765	1.14
2000-01	11 695	12 697	24 392	8 474	13 176	19 690	1.01
2001-02	10 837	13 356	24 193	8 440	13 692	18 941	0.96
2002-03	11 803	13 911	25 714	9 246	14 911	20 049	1.01
2003-04	11 813	14 520	26 333	10 126	14 953	21 506	1.07
2004-05	12 708	14 196	26 904	10 563	15 271	22 197	1.09
2005-06	12 286	14 379	26 665	10 050	15 109	21 605	1.04
2006-07 ^s	13 915	14 863	28 778	10 381	16 613	22 546	1.07

^a Gross roundwood equivalent (GRWE) of industrial log removals. Excludes log removals for firewood. ^b Estimated GRWE of forest products, including sawnwood, wood based panels, pulp, paper and paperboard, and woodchips. ^s ABARE estimate. ^{na} 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 ^a

	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
Closed forest	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
Open forest	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
Woodland forest	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
Plantation ^b	345	396	233	389	172	248	26	10	1 818
(% of land area)	0.43	1.74	0.13	0.15	0.18	3.65	0.02	3.96	0.24
Unknown	3 632		6 275						9 907
(% of land area)	4.53		3.63						1.29
Total forest									
vegetation cover	27 004	8 330	55 967	25 753	11 038	3 417	32 862	127	164 498
(% of land area)	33.69	36.60	32.40	10.20	11.22	50.40	24.41	52.91	21.41
Total land area	80 160	22 760	172 720	252 550	98 400	6 780	134 620	240	768 230

^a NFI 2003. ^b As at 2006.

Source: National Forest Inventory 2003, Australia's Plantations 2007 - Inventory Update, Bureau of Rural Sciences, Canberra.

132 Australian prices of selected forest products

	Timber, panels	Structural timber		Plywood	Hardwood	Softwood	Newsprint d
	and joinery a	Hardwood b	Softwood b	and board b	chips c	chips c	
	index	index	index	index	\$/bdt	\$/bdt	\$/t
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	160.46	167.50	1 007.91
1996-97	116.2	118.6	123.2	108.2	161.98	138.58	888.20
1997-98	118.8	121.6	129.2	109.0	151.58	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	140.36 s	137.00 s	942.99
2000-01	133.3	150.5	139.5	114.2	146.27	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
2006-07	146.5	na	na	na	162.87	144.97	896.32

a Price index of materials used in house building; base 1989-90 = 100. **b** Price indexes of materials used in building other than house building; base 1989-90 = 100. Discontinued from September quarter 2004. **c** Average unit fob value of Australian exports in bone dry tonnes. **d** Average unit value of Australian imports, fob New Zealand. **s** 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 product industries ^a

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
ANZSIC group and class							
Wood and wood products							
Log sawmilling	729	881	694	1 376	1 395	1 555	1 325
Resawn and dressed timber	1 177	1 287	1 633	1 625	2 010	1 984	1 898
Veneers, plywood and fabricated wood manufacturing	1 143	1 239	1 316	1 523	1 680	1 820	1 809
Wooden structural fittings and joinery nec	2 512	3 241	2 624	2 671	3 057	3 330	3 526
Wood chipping	448	517	243	536	649	656	677
Wood products nec	589	682	617	1 023	1 076	1 125	1 004
Total	6 599	7 846	7 126	8 754	9 867	10 470	10 239
Paper and paper products							
Pulp, paper and paperboard	2 114	2 277	2 663	2 629	1 933	1 853	1 843
Paper bags including sack manufacturing	310	1 899	261	346	353	357	343
Solid fibreboard containers	556	551	714	659	649	518	188
Corrugated fibreboard containers	1 537	na ^b	2 629	2 420	3 203	3 277	3 411
Paper products nec	1 085	1 054	1 686	1 754	1 922	2 118	2 245
Total	5 602	5 780	7 951	7 808	8 059	8 123	8 030
Total value	12 201	13 626	15 077	16 563	17 926	18 592	18 269

^a 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. ^b Included with Paper bags including sack manufacturing. ^{na} Not available.

Source: ABS, *Manufacturing Industry, Australia*, cat. no. 8221.0, Canberra.

134

Employment in forest product industries ^a

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	'000	'000	'000	'000	'000	'000	'000
Forestry and logging	13.5	13.2	9.7	12.1	12.2	11.3	11.3
Manufacturing industries ^a							
Wood and wood products							
Log sawmilling	5.3	8.3	7.4	9.0	7.3	na	na
Resawn and dressed timber	7.9	7.1	7.1	6.8	6.8	na	na
Veneers, plywood and fabricated wood manufacturing	5.5	5.4	5.6	5.7	5.9	na	na
Wooden structural fittings and joinery nec	20.2	18.3	18.9	20.3	21.2	na	na
Hardwood woodchips	0.6	1.2	1.2	1.0	1.4	na	na
Wood products nec	5.7	8.6	8.3	8.1	8.2	na	na
Total	45.3	48.9	48.4	50.9	50.8	na	na
Paper and paper products							
Pulp, paper and paperboard	5.1	4.5	4.4	3.9	4.5	na	na
Paper bags including sack manufacturing	1.3	1.3	1.3	1.1	1.1	na	na
Solid fibreboard containers	2.9	2.9	2.8	2.1	1.1	na	na
Corrugated fibreboard containers	5.9	6.0	6.0	6.1	6.6	na	na
Paper products nec	4.6	4.8	5.3	5.5	6.4	na	na
Total wood	19.7	19.5	19.8	18.7	19.6	na	na
Total forestry manufacturing industries	65.0	68.3	68.3	69.6	70.4	71.6	na
Total employment	78.5	81.5	77.9	81.7	82.6	82.9	na

^a 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 ^a

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Imports							
Roundwood	0.9	0.7	1.8	1.1	1.0	0.4	0.6
Sawnwood							
Coniferous roughsawn	197.3	190.6	223.8	211.6	182.3	150.3	148.1
Coniferous dressed	123.4	149.7	175.9	181.7	188.7	150.5	143.3
Broadleaved roughsawn	59.7	58.0	64.7	58.3	63.1	65.2	67.1
Broadleaved dressed	47.2	44.2	40.3	50.3	57.9	53.5	59.8
Total	427.7	442.5	504.7	501.9	492.0	419.4	418.4
Railway sleepers	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Miscellaneous forest products ^b	461.5	528.1	589.3	583.5	586.1	527.6	567.9
Veneer	22.9	22.3	26.0	23.1	24.3	24.9	31.5
Plywood	65.7	81.9	114.3	113.0	128.6	133.6	167.0
Particleboard	13.8	18.7	21.5	17.2	24.4	13.7	26.2
Hardboard	5.5	7.1	6.0	10.7	18.8	27.3	35.2
Medium density fibreboard	34.7	31.7	29.4	22.9	15.0	21.6	12.1
Softboard and other fibreboard	9.7	8.2	8.9	3.4	4.9	7.1	7.2
Paper and paperboard							
Newsprint	277.5	219.8	243.9	261.0	260.7	266.9	224.1
Printing and writing	1 194.6	1 297.2	1 452.8	1 431.0	1 451.1	1 438.2	1 453.2
Household and sanitary	94.7	102.5	117.9	137.9	127.9	151.6	177.1
Packaging and industrial	521.2	410.3	343.7	306.8	344.4	330.3	416.1
Total	2 088.0	2 029.8	2 158.3	2 136.7	2 184.1	2 187.0	2 270.5
Paper manufactures ^c	377.5	354.3	362.7	340.7	395.8	425.8	469.5
Wastepaper	8.8	4.6	8.0	4.7	2.3	1.5	2.3
Pulp	316.6	221.3	253.7	235.1	225.1	225.0	265.2
Pulpwood	1.4	1.2	1.5	1.4	2.0	2.1	1.5
Total	3 834.9	3 752.3	4 086.2	3 995.4	4 104.5	4 017.0	4 274.8

Continued

135 Value of Australian forest products trade ^a continued

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Exports							
Roundwood	66.84	89.14	106.86	113.66	72.56	82.36	117.38
Sawnwood							
Coniferous roughsawn	12.86	16.40	13.22	18.20	40.81	63.28	80.68
Coniferous dressed	14.65	17.88	15.22	17.20	21.26	15.08	18.07
Broadleaved roughsawn	24.43	29.05	33.92	29.01	27.57	30.64	35.49
Broadleaved dressed	10.53	7.14	8.06	9.69	11.95	11.97	11.05
Total	62.46	70.48	70.42	74.10	101.59	120.96	145.30
Railway sleepers	9.03	6.57	4.40	4.21	3.99	3.70	4.63
Miscellaneous forest products b	77.56	61.82	58.01	64.38	74.43	68.74	62.54
Veneer	8.56	8.87	7.53	8.30	6.02	6.53	5.80
Plywood	3.28	5.89	3.07	3.69	5.88	4.71	2.69
Particleboard	26.49	26.66	17.41	11.26	6.35	6.23	6.45
Hardboard	10.63	5.99	4.08	5.99	4.71	4.97	3.73
Medium density fibreboard	150.56	162.43	145.57	112.45	118.89	120.95	96.87
Softboard and other fibreboard	7.81	6.60	10.15	9.48	11.55	9.65	2.75
Paper and paperboard							
Newsprint	2.63	1.61	1.52	0.45	0.72	0.17	0.16
Printing and writing	112.17	271.32	214.75	172.40	183.02	147.13	148.94
Household and sanitary	81.43	96.06	98.28	117.92	104.76	98.08	101.74
Packaging and industrial	263.09	243.92	315.61	344.12	338.35	355.70	399.66
Total	459.31	612.92	630.16	634.89	626.86	601.08	650.50
Paper manufactures c	175.32	189.81	173.13	148.88	126.43	125.10	111.61
Wastepaper	39.83	55.62	49.87	52.66	96.74	140.13	175.05
Pulp	4.55	2.84	2.12	1.37	4.40	5.48	12.04
Woodchips	743.80	711.99	807.95	794.44	858.24	839.04	950.30
Total	1 846.04	2 017.63	2 090.74	2 039.75	2 118.66	2 139.61	2 347.62

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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³
Broadleaved (hardwood)							
Production	1 287	1 338	1 323	1 253	1 231	1 188	na
Imports	107	104	115	142	147	131	128
Exports	31	39	41	37	83	43	49
Consumption	1 363	1 404	1 397	1 358	1 295	1 276	na
Coniferous (softwood)							
Production	2 634	2 877	3 088	3 415	3 456	3 596	na
Imports	611	632	695	729	700	541	483
Exports	47	46	41	72	165	250	367
Consumption	3 198	3 463	3 741	4 072	3 990	3 887	na
Total broadleaved and coniferous							
Production	3 921	4 215	4 411	4 668	4 687	4 784	na
Imports	719	735	810	871	847	671	611
Exports	78	84	82	109	249	293	416
Consumption	4 561	4 866	5 138	5 431	5 285	5 163	na

na Not available.

137

Volume of Australian imports of sawnwood, by source and type

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³
Country							
Czech Republic							
Spruce Pine	21	31	49	69	60	52	60
Canada							
Douglas fir	64	65	73	50	48	36	33
Western red cedar	42	52	67	54	54	42	42
Other	20	14	15	22	19	7	7
Total	126	131	155	126	121	86	83
Malaysia							
Meranti ^a	28	28	30	30	27	27	21
Other	20	20	20	25	29	28	24
Total	47	48	49	55	56	56	45
New Zealand							
Radiata pine	302	321	331	332	303	222	198
Douglas fir	51	59	60	57	47	37	33
Other	35	39	47	47	48	38	44
Total	387	420	438	436	398	298	276
United States							
Douglas fir	16	12	6	3	1	0	0
Western red cedar	1	1	1	0	0	0	0
Other	12	10	11	9	6	6	5
Total	29	23	17	13	7	7	6
Region							
Asia	77	77	86	104	114	105	105
Europe	51	30	31	65	98	80	38
North America	155	154	172	139	127	93	89
Pacific	406	438	460	469	423	319	293
South America	4	2	6	17	22	23	25
Other	26	36	56	77	63	53	61
Total	719	735	810	871	847	671	611
(value \$m)	427.7	442.5	504.7	501.9	492.0	419.4	418.4

^a Includes Iauan and seraya.

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

138 Australian production, trade and consumption of panel products

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³
Production							
Plywood ^a	157	192	219	146	156	145	130
Particleboard	904	965	1 025	1 048	944	1 002	933
Medium density fibreboard	712	732	786	795	794	798	680
Total	1 774	1 890	2 030	1 989	1 894	1 944	1 743
Imports							
Plywood	98	117	162	178	200	205	244
Particleboard	44	70	93	60	65	37	77
Hardboard	8	7	8	13	22	30	44
Medium density fibreboard	88	81	77	47	28	52	21
Softboard and other fibreboards	33	20	16	8	12	14	14
Total	272	296	356	306	327	338	400
Exports							
Plywood	32	13	2	3	5	4	3
Particleboard	98	100	54	32	14	14	18
Hardboard	7	10	8	12	8	7	6
Medium density fibreboard	389	403	405	357	365	352	260
Softboard and other fibreboards	14	11	27	18	15	11	5
Total	540	536	497	421	406	389	292
Consumption							
Plywood	222	297	379	321	351	346	370
Particleboard	850	935	1 063	1 077	995	1 025	992
Medium density fibreboard	411	411	458	485	457	497	441
Total	1 484	1 643	1 900	1 882	1 804	1 868	1 804

^a 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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³	'000 m ³
Plywood							
Chinese Taipei	0.00	0.01	0.02	0.02	0.02	0.02	0.01
Indonesia	25.92	29.73	35.05	37.01	49.79	42.17	42.47
Korea, Rep. of	0.03	0.00	0.04	0.01	0.02	0.00	0.01
Malaysia	16.02	15.78	20.80	20.06	19.41	22.43	25.39
New Zealand	30.77	47.25	70.26	80.76	82.56	74.52	86.16
Papua New Guinea	0.46	1.79	2.49	3.95	4.04	4.25	3.73
Singapore	0.60	2.29	2.26	1.60	1.24	1.56	1.28
Other	23.84	20.57	30.94	34.66	43.24	59.88	84.66
Total	97.65	117.43	161.85	178.07	200.32	204.84	243.70
(value, \$m)	65.7	81.9	114.3	113.0	128.6	133.6	167.0
Veneer							
Malaysia	1.46	1.48	2.83	3.18	3.19	3.56	1.99
New Zealand	0.30	34.56	0.56	3.07	8.51	12.28	16.46
Philippines	2.41	2.72	3.10	3.20	2.50	2.60	3.63
Singapore	0.15	0.46	0.22	0.14	0.28	0.10	0.28
South Africa	0.84	0.77	0.69	0.49	0.19	0.08	0.11
Thailand	0.06	0.14	0.08	0.02	0.03	0.04	0.03
United States	1.11	1.19	1.16	0.95	0.75	1.27	1.06
Other	3.84	4.48	4.60	4.30	5.48	3.75	5.45
Total	10.15	45.80	13.22	15.34	20.94	23.68	29.01
(value, \$m)	22.9	22.3	26.0	23.1	24.3	24.9	31.5
Particleboard							
Malaysia	0.28	0.25	0.18	0.69	1.61	1.83	1.02
New Zealand	31.67	35.01	27.52	24.12	42.27	10.70	43.35
Other	10.36	10.35	22.30	18.48	15.87	20.27	18.11
Total	43.90	70.00	92.99	60.50	65.23	36.77	77.45
(value, \$m)	13.8	18.7	21.5	17.2	24.4	13.7	26.2
Hardboard							
Brazil	1.49	0.17	0.20	0.18	0.17	0.17	0.13
New Zealand	3.65	3.94	3.42	4.50	7.06	3.98	1.91
Other	4.09	2.55	3.79	5.35	5.33	7.85	16.97
Total	8.24	7.30	7.98	12.77	21.68	30.25	44.13
(value, \$m)	5.5	7.1	6.0	10.7	18.8	27.3	35.2
Medium density fibreboard							
Malaysia	8.62	10.65	14.86	18.82	15.87	16.91	11.93
New Zealand	74.52	65.37	53.09	23.57	7.74	31.95	1.60
Other	5.11	5.41	9.39	4.78	4.12	3.06	7.08
Total	88.25	81.42	77.34	47.18	27.74	51.91	20.60
(value, \$m)	34.7	31.7	29.4	22.9	15.0	21.6	12.1
Softboard and other fibreboards							
New Zealand	12.48	7.86	7.29	3.21	6.95	4.69	3.46
Other	20.38	6.72	8.29	4.41	5.21	9.27	10.19
Total	33.46	19.83	15.75	7.67	12.24	14.27	14.15
(value, \$m)	9.7	8.2	8.9	3.4	4.9	7.1	7.2

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

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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt
Production							
Newsprint	465.0	395.0	412.0	422.0	443.0	415.0	411.0
Printing and writing paper	554.0	624.0	564.0	585.0	659.0	663.0	676.0
Household and sanitary	204.0	198.0	194.0	200.0	197.0	217.0	204.0
Packaging and industrial paper	1 449.0	1 679.0	1 892.0	1 956.0	1 945.0	1 926.0	1 901.0
Total	2 672.0	2 897.0	3 061.0	3 164.0	3 244.0	3 221.0	3 192.0
Imports							
Newsprint	283.9	224.2	273.3	303.5	314.0	324.5	262.5
Printing and writing paper	765.0	842.3	973.1	1 101.9	1 189.7	1 140.1	1 173.5
Household and sanitary	54.8	55.9	66.7	84.6	77.9	87.9	101.8
Packaging and industrial paper	306.2	212.9	152.7	159.5	184.1	190.8	258.4
Total	1 409.8	1 335.4	1 465.8	1 649.5	1 765.7	1 743.4	1 796.2
Exports							
Newsprint	2.6	12.2	3.5	0.7	1.7	0.2	0.2
Printing and writing paper	79.3	297.1	200.2	160.3	174.9	147.0	131.7
Household and sanitary	24.6	43.4	55.1	36.2	37.1	31.6	32.5
Packaging and industrial paper	390.4	384.7	483.5	596.8	568.7	632.2	640.5
Total	496.9	737.4	742.3	794.0	782.4	811.0	804.8
Total consumption							
Newsprint	746.3	607.0	681.8	724.8	755.4	739.3	673.3
Printing and writing paper	1 239.7	1 169.3	1 336.9	1 526.5	1 673.8	1 656.1	1 717.8
Household and sanitary	234.2	210.5	205.6	248.4	237.8	273.4	273.3
Packaging and industrial paper	1 364.8	1 507.2	1 561.2	1 518.7	1 560.5	1 484.6	1 519.0
Total	3 584.9	3 495.0	3 784.5	4 019.5	4 227.3	4 153.4	4 183.4
Consumption per person							
Newsprint	38.4	30.9	34.3	36.1	37.1	35.7	32.0
Printing and writing paper	63.9	59.5	67.3	76.0	82.3	80.0	81.8
Household and sanitary	12.1	10.7	10.3	12.4	11.7	13.2	13.0
Packaging and industrial paper	70.3	76.7	78.6	75.6	76.7	71.7	72.3
Total	184.7	177.9	190.4	200.1	207.8	200.6	199.1

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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt
Newsprint a							
Canada	4.9	0.7	0.1	0.9	1.3	0.3	10.0
Finland	20.7	9.3	7.3	4.3	1.7	1.8	2.5
Indonesia	24.0	19.3	27.9	30.7	24.8	21.6	19.2
Korea, Rep. of	41.5	14.8	34.9	60.0	63.8	74.3	78.5
New Zealand	181.4	173.5	187.4	191.3	201.9	214.3	139.1
Other	15.7	4.7	15.0	16.0	11.0	8.2	23.2
Total	283.9	224.2	273.3	303.5	314.0	324.5	262.5
(value, \$m)	277.5	219.8	243.9	261.0	260.7	266.9	224.1
Printing and writing paper							
Austria	15.8	19.8	22.0	19.9	14.1	18.8	20.3
Brazil	2.3	2.5	4.8	4.0	5.5	6.2	9.7
Canada	21.5	17.7	41.5	39.8	31.7	13.3	0.8
Finland	145.5	158.9	156.9	180.5	226.4	181.0	181.6
Germany	39.7	31.9	49.6	74.4	63.8	63.7	56.9
Indonesia	76.1	61.5	90.1	113.5	70.3	65.4	52.8
Italy	46.7	27.9	35.5	63.9	50.7	44.7	58.0
Japan	34.2	34.4	43.2	36.4	41.3	31.0	33.0
Korea, Rep. of	22.0	28.6	32.6	42.4	103.3	106.9	117.6
New Zealand	2.1	17.4	35.6	29.2	31.9	41.8	43.5
Norway	15.5	15.3	18.5	19.6	16.6	15.4	9.2
South Africa	14.8	13.2	14.7	18.4	15.5	6.2	7.5
Sweden	42.7	54.7	58.4	70.3	83.9	75.1	83.1
United States	89.7	96.4	131.6	126.8	135.7	129.7	118.2
Other b	231.1	293.8	280.1	292.0	294.2	287.1	273.4
Total	765.0	842.3	973.1	1 101.9	1 189.7	1 140.1	1 173.5
(value, \$m)	1 194.6	1 297.2	1 452.8	1 431.0	1 451.1	1 438.2	1 453.2
Household and sanitary products							
Chinese Taipei	1.3	1.9	2.8	0.9	0.4	1.0	0.6
Indonesia	8.9	10.2	16.2	23.0	16.5	15.8	32.5
New Zealand	17.8	16.1	10.6	16.0	14.5	20.3	22.0
Other	15.4	11.6	12.8	13.1	11.4	10.2	10.9
Total	54.8	55.9	66.7	84.6	77.9	87.9	101.8
(value, \$m)	94.7	102.5	117.9	137.9	127.9	151.6	177.1

Continued

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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt
Packaging and industrial							
Belgium-Luxembourg	0.9	1.4	1.4	1.3	1.9	2.3	2.4
Brazil	2.0	0.6	0.7	0.7	0.8	0.3	0.3
China	6.4	6.8	8.6	10.5	15.6	20.9	26.9
Finland	40.8	19.6	16.4	15.7	17.0	15.3	24.4
France	3.3	2.8	3.6	4.8	5.4	4.8	5.6
Germany	23.1	16.2	8.9	7.1	7.0	8.4	7.8
Indonesia	4.2	3.6	3.9	5.1	7.0	7.7	11.2
Italy	8.0	6.7	11.6	8.3	6.8	6.2	5.8
Japan	0.6	1.8	7.3	5.6	8.0	5.6	6.2
Netherlands	4.0	2.6	3.4	3.3	2.6	2.1	2.1
New Zealand	77.0	44.7	18.9	18.0	30.7	35.6	76.0
Singapore	1.4	6.4	11.0	9.8	9.3	2.3	2.5
South Africa	10.8	12.0	5.6	6.3	7.3	9.3	5.8
Sweden	10.9	8.4	6.0	8.7	7.4	9.5	7.1
Thailand	0.4	4.1	3.1	5.9	8.5	12.6	17.3
United Kingdom	7.8	9.0	7.0	6.1	4.9	4.8	3.7
United States	92.8	56.3	19.8	14.1	14.6	12.9	18.0
Other	15.3	10.5	13.8	21.1	16.6	17.2	22.5
Total	306.2	212.9	152.7	159.5	184.1	190.8	258.4
(value, \$m)	521.2	410.3	343.7	306.8	344.4	330.3	416.1

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

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

142 Australian production of wood pulp and use of wastepaper

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt
Mechanical	362	395	485	617	627	na	na
Chemical ^a	534	698	770	781	727	na	na
Total pulp	896	1 093	1 255	1 398	1 354	na	na
Wastepaper used	1 634	1 554	1 654	1 707	1 668	na	na

^a 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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt
Mechanical							
Canada	0.2	0.4	0.4	0.5	0.4	0.8	0.4
New Zealand	6.0	3.9	5.8	3.1	6.2	6.5	5.9
United States	0.4	0.2	0.1	0.0	0.0	0.0	0.0
Total	7.6	4.5	6.5	3.9	7.5	7.6	6.8
(value, \$m)	8.2	3.9	4.7	2.5	5.2	5.1	5.1
Chemical							
Brazil	16.9	24.4	33.9	55.4	59.0	78.1	113.4
Canada	33.9	23.4	45.1	55.4	58.5	65.1	64.0
Finland	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia	47.3	44.7	43.8	30.7	9.8	0.0	0.1
New Zealand	110.9	120.2	122.7	106.4	108.7	105.6	104.0
United States	22.2	7.2	9.0	5.4	10.5	6.4	4.2
Other	55.6	56.5	74.0	89.6	70.4	65.5	56.3
Total	286.8	276.4	328.5	343.1	316.9	320.7	341.9
(value, \$m)	299.9	192.6	232.0	212.7	204.0	207.1	252.3
Semichemical							
Total	9.0	33.6	24.0	29.7	25.9	19.7	10.3
(value, \$m)	8.6	24.7	17.1	19.9	15.8	12.8	7.7
Total wood pulp							
Total	303.4	314.5	359.0	376.6	350.3	348.0	359.0
(value, \$m)	316.6	221.3	253.7	235.1	225.1	225.0	265.2

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

144 Volume of Australian roundwood and woodchip trade

	Exports				
	Imports	Woodchips b			Total
	Roundwood a	Roundwood a	Coniferous	Broadleaved	
'000m ³	'000m ³	kt	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	16.3	122	2 475	2 597
1990-91	0.5	79.6	118	2 687	2 804
1991-92	0.3	86.3	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	778.4	1 033	2 852	3 885
1999-00	2.3	1 149.8	1 046	3 582	4 628
2000-01	1.3	1 097.6	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	1 335.1	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
2006-07	5.0	1 171.4	1 072	4 880	5 952

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 use			Australian wine		Production of dried vine fruit kt	Exports of dried vine fruit kt
	Grape production kt	Wine making kt	Drying and table kt	Domestic sales ML	Sales per person L		
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	2 146.1	1 938.0	208.1	430.1	21.1	30.0	6.6
2005-06	2 084.5	1 873.4	211.1	432.4	21.0	30.4	7.3
2006-07	1 442.1	1 264.7	177.4	449.2	21.5	15.0	6.8

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	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Type								
Table wine	ML	329.81	406.31	498.16	568.74	646.73	719.92	779.31
Red	ML	179.79	233.23	307.09	364.09	417.97	454.81	496.89
White	ML	150.02	173.08	191.07	204.65	228.76	265.11	282.43
Sparkling wine	ML	6.60	6.93	7.26	9.31	11.35	13.68	16.15
Fortified wine	ML	2.27	1.86	1.79	2.11	1.89	1.85	1.78
Other wine	ML	0.22	1.51	0.75	0.58	0.86	0.27	0.22
Total	ML	338.90	416.61	507.96	580.74	660.83	735.72	797.47
Major destination								
Canada	\$m	91.2	123.9	174.0	205.1	247.4	249.2	266.3
China	\$m	2.2	2.4	3.4	5.9	9.9	20.8	49.0
Germany	\$m	50.1	47.9	58.0	70.9	71.7	75.6	65.6
Hong Kong, China	\$m	14.5	16.9	15.0	17.9	20.0	25.1	26.4
Ireland	\$m	40.1	42.5	39.7	49.4	54.0	54.0	68.7
Japan	\$m	29.5	30.1	31.7	35.7	48.7	44.1	48.9
Netherlands	\$m	33.9	33.6	38.6	39.3	45.9	45.3	65.3
New Zealand	\$m	77.3	84.7	99.0	98.0	94.0	92.0	101.4
Singapore	\$m	17.2	20.0	23.2	30.7	33.1	37.6	42.8
Sweden	\$m	18.6	24.7	33.6	39.2	36.2	49.6	51.1
Switzerland	\$m	31.1	30.0	36.0	23.9	19.6	19.1	18.1
Thailand	\$m	2.7	3.4	4.4	5.2	7.7	7.8	11.3
United Kingdom	\$m	689.9	840.4	859.4	860.3	966.8	960.3	974.6
United States	\$m	417.5	558.2	827.9	905.4	896.7	901.1	959.9
Other	\$m	98.3	111.3	142.0	158.1	196.6	217.7	241.9
Value	\$m	1 614.1	1 970.0	2 385.9	2 545.0	2 748.2	2 799.3	2 991.3
Unit value	\$/L	4.76	4.73	4.70	4.38	4.16	3.80	3.75

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

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

	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	ML	ML	ML	ML	ML	ML	ML
Table wine	325.33	329.60	344.47	355.04	364.84	366.80	381.70
Red	125.56	130.08	142.84	147.07	155.49	154.24	162.91
White	199.76	199.52	201.63	207.96	209.35	212.56	218.79
Sparkling wine	30.66	29.42	31.62	34.68	38.40	39.79	42.76
Bottle fermented	16.71	17.42	22.99	21.56	22.99	23.13	23.27
Bulk fermented	13.95	12.00	8.63	13.12	15.41	16.66	19.49
Carbonated wine	3.29	3.12	2.80	3.47	4.21	4.25	4.21
Total unfortified wine	359.28	362.14	378.89	393.19	407.44	410.83	428.66
Total fortified wine	22.19	20.36	20.84	21.20	19.93	18.51	17.39
Vermouth and other wine	3.38	2.79	2.75	2.99	2.76	3.03	3.12
Total domestic sales	384.85	385.29	402.48	417.38	430.13	432.37	449.17
Total wine	397.62	399.77	419.60	436.16	452.27	456.74	483.43
Wine imports							
Table wine	8.12	9.20	11.58	11.87	14.78	18.00	25.48
Sparkling wine	2.91	3.28	3.85	4.78	5.19	4.94	7.00
Fortified wine	0.11	0.20	0.19	0.73	0.25	0.12	0.12
Other	1.64	1.80	1.50	1.40	1.92	1.31	1.66
Total	12.77	14.48	17.11	18.74	22.14	24.37	34.26

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

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

148 Australian wine grape production and prices

	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Bearing area	'000 ha	136	140	146	153	152	160
Wine grape production							
Red wine	kt	910.7	804.5	1 093.3	1 071.0	1 023.9	623.3
White wine	kt	575.8	518.6	683.0	773.0	772.6	563.2
Multipurpose	kt	119.9	88.2	119.0	94.0	76.9	78.2
Total	kt	1 606.3	1 411.4	1 895.3	1 938.0	1 873.4	1 264.7
Exports							
Wine	ML	416.6	508.0	580.7	660.8	735.7	797.5
- value	A\$m	1 970.0	2 385.9	2 545.0	2 748.2	2 799.3	2 991.3
Australian weighted average price							
White wine	A\$/t	599.4	655.4	668.6	554.9	521.6	500.7
Red wine	A\$/t	701.2	562.1	501.4	434.4	412.6	408.5

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 ^a

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

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

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

150 Production and trade of Australian dried vine fruit

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Production									
Dried weight	kt	31	17	34	17	27	30	30	15
Fresh weight ^s	kt	133	90	146	76	128	141	140	na
Gross value	\$m	82	57	99	48	88	87	na	na
Gross unit value ^a	\$/t	2 641.3	3 423.1	2 921.9	2 847.0	3 245.6	2 900.0	na	na
Exports									
Volume	kt	5	6	6	10	7	7	7	7
Value	\$m	13	17	14	20	15	15	18	16

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

Source: Australian Dried Fruits Association, *Australian Dried Fruits Association News*, Mildura.

151

Production and export of Australian citrus, by variety

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Navel oranges									
Production	kt	180	252	178	296	208	225	274	246
Exports ^a	kt	68.76	99.09	86.83	101.12	67.09	80.87	102.88	98.19
- value	\$'000	86 825	111 775	110 405	119 165	84 646	94 458	111 674	112 990
Valencia oranges									
Production	kt	337	399	236	337	199	228	297	224
Exports ^a	kt	42.85	51.43	47.77	32.14	25.94	29.18	35.68	28.61
- value	\$'000	35 361	35 327	40 820	25 761	21 670	23 591	24 370	25 086
Mandarins									
Production	kt	91	78.9	78	98	97	121	102	108
Exports ^a	kt	16.32	27.13	23.56	29.63	28.58	27.37	22.76	18.22
- value	\$'000	25 584	37 137	40 023	49 206	43 284	40 594	34 837	28 782
Lemons and limes									
Production	kt	30	33	31	38	31	36	38	30
Exports ^a	kt	4.54	3.22	3.58	4.05	1.83	0.91	0.63	0.16
- value	\$'000	6 974	4 249	5 696	6 081	2 340	1 109	602	373
Grapefruit									
Production	kt	13	14	14	12	10	11	13	12
Exports ^a	kt	0.15	0.22	0.31	0.34	0.54	0.29	0.37	0.57
- value	\$'000	174	256	462	559	649	325	377	627

^a Fresh and dried.

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

152

Summary of Australian statistics for fruit and vegetables

	Fruit			Vegetables		
	Production	Exports	Imports	Production	Exports	Imports
	\$m ^a	\$m	\$m	\$m ^a	\$m	\$m
1981-82	593	na	na	554	na	na
1982-83	632	na	na	557	na	na
1983-84	655	na	na	739	na	na
1984-85	797	na	na	629	na	na
1985-86	837	na	na	714	na	na
1986-87	1 109	na	na	885	na	na
1987-88	1 004	na	na	928	na	na
1988-89	1 098	340	228	1 165	180	183
1989-90	1 176	325	223	1 328	185	249
1990-91	1 267	403	215	1 285	197	219
1991-92	1 599	456	290	1 290	236	238
1992-93	1 572	499	269	1 249	296	272
1993-94	1 478	501	290	1 444	349	305
1994-95	1 579	508	317	1 492	345	298
1995-96	1 709	571	362	1 616	384	309
1996-97	1 857	640	372	1 662	390	311
1997-98	1 819	625	391	1 812	403	338
1998-99	1 990	645	461	1 864	443	373
1999-00	1 976	670	473	2 004	453	374
2000-01	2 253	745	481	2 183	509	410
2001-02	2 333	857	506	2 269	586	451
2002-03	2 408	830	565	2 258	439	497
2003-04	2 350	690	587	2 380	399	527
2004-05	2 767	791	704	2 315	340	512
2005-06	2 900	830	741	2 565	365	528
2006-07	2 940	774	846	2 545	410	621

^a 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 ^a

	Cattle numbers ^b million	Sheep numbers ^b million	Total red meat production ^c kt	Total red meat exports ^d kt	Total domestic consumption kt	Consumption per person			
						Beef and veal ^e kg	Lamb and mutton kg	Pig meat kg	Poultry meat kg
						1966	17.39	157.6	1 706
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	1 101	1 313	40.6	21.7	17.8	23.9
1989	21.80	164.9	2 465	1 054	1 420	44.0	23.4	18.0	24.3
1990	22.53	173.8	2 705	1 318	1 368	40.8	21.7	18.6	25.1
1991	23.66	166.6	2 739	1 380	1 386	40.2	22.2	18.7	25.4
1992	23.88	151.0	2 827	1 490	1 349	37.7	20.5	19.7	25.4
1993	24.06	140.5	2 805	1 460	1 345	37.5	20.0	19.3	26.8
1994	25.76	132.6	2 863	1 475	1 429	39.3	21.1	20.2	27.6
1995	25.73	120.9	2 656	1 365	1 306	35.5	17.2	20.1	27.1
1996	26.38	121.1	2 634	1 289	1 369	39.8	16.8	18.7	27.9
1997	26.69	120.2	2 883	1 479	1 432	41.8	17.1	19.0	29.3
1998	26.85	117.5	2 973	1 590	1 406	38.8	17.2	19.5	31.1
1999	26.04	115.5	2 982	1 628	1 397	38.3	16.5	19.4	31.3
2000	27.59	118.6	3 132	1 745	1 461	38.1	18.5	20.0	33.2
2001	27.72	110.9	3 136	1 835	1 367	34.9	16.9	19.0	32.7
2002	27.87	106.2	3 131	1 787	1 441	37.4	15.6	20.9	36.3
2003	26.66	99.3	2 960	1 608	1 468	38.2	13.7	22.4	35.1
2004	27.47	101.3	3 081	1 728	1 476	38.2	13.2	22.6	36.8
2005	28.28	102.5	3 097	1 758	1 509	37.4	13.2	24.2	38.4
2006	28.85	92.7	3 240	1 855	1 559	38.1	14.0	23.5	39.5

^a Data up to 1970 are on a financial year (July-June) basis (1970 = 1970.71). ^b Before 1987, includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$2 500 or more. From 1987, the EVAO was raised to \$5 000. ^c Beef and veal, mutton and lamb and pig meat production, expressed in carcass weight. ^d Before 1970, the exportable surplus of meat was derived by subtracting consumption from production, expressed in carcass weight. ^e Includes canned beef and veal before 1976. ^{na} 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.

meat - general

154 Australian saleyard prices of livestock ^a

	Yearling	Ox	Cow	Weighted average	Lamb	Mutton	Pig
	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg
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	185.4	34.3	213.0
1994	257.8	243.9	187.0	222.6	146.3	34.1	202.3
1995	238.3	216.9	169.2	201.8	187.3	68.4	218.1
1996	185.4	163.2	129.9	155.3	237.4	67.7	247.4
1997	190.0	184.7	135.3	162.6	205.6	75.2	218.6
1998	208.2	203.3	158.3	181.0	179.4	79.3	179.9
1999	233.1	215.4	183.5	204.3	208.5	62.9	216.0
2000	261.8	246.1	219.7	237.1	170.1	71.8	249.1
2001	331.0	315.5	289.4	307.2	259.6	145.7	276.2
2002	289.3	275.4	235.3	259.1	339.4	169.9	260.3
2003	318.7	309.3	249.9	281.3	387.8	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	341.4	168.5	233.5
2006	340.7	324.4	267.5	303.3	319.7	137.9	245.9
2006							
January	344.1	309.1	262.4	298.1	345.4	134.0	237.0
February	352.0	324.6	281.0	312.6	356.4	149.1	236.4
March	356.0	330.5	285.0	317.0	341.2	164.5	237.4
April	354.5	328.3	282.0	313.5	325.3	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	332.3	193.1	229.7
July	358.2	339.9	284.6	321.0	362.8	202.8	232.4
August	364.3	343.1	284.5	325.4	327.3	149.1	239.2
September	346.6	336.5	274.6	312.5	283.8	111.2	251.0
October	306.1	311.6	234.1	276.1	254.7	59.5	261.5
November	314.3	319.1	251.0	287.9	279.6	68.9	276.7
December	291.9	292.1	211.9	255.2	302.1	54.1	280.7
2007							
January	313.2	305.6	244.9	280.8	318.1	111.2	279.7
February	320.0	317.5	255.6	288.2	337.8	143.2	270.3
March	337.5	323.2	266.7	301.0	330.9	167.4	258.2
April	329.3	307.5	237.7	278.4	325.6	148.9	247.8
May	330.5	308.8	255.9	286.4	372.6	181.8	236.9
June	335.7	314.0	261.8	293.6	363.4	199.1	229.2

^a 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 ^a c/kg	Lamb ^a c/kg	Pork ^a c/kg	Chicken ^b c/kg
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	385.3
2006	1 551.9	1 225.9	1 168.3	357.1
2003				
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
2004				
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
2005				
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	381.1
December	1 535.6	1 198.0	1 136.5	370.5
2006				
March	1 551.6	1 204.3	1 175.5	360.1
June	1 564.8	1 231.8	1 144.8	362.2
September	1 560.1	1 238.1	1 172.0	356.0
December	1 530.9	1 229.5	1 181.0	350.1
2007				
March	1 515.8	1 191.1	1 212.4	369.2
June	1 545.0	1 220.9	1 183.8	391.3

^a 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. ^b Retail frozen.

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

meat - general

156 Prices for Australian meat on principal overseas markets

	Beef				Mutton	Lamb	
	United States		Japan ^a		Japan ^a	United Arab Emirates ^a	United States ^a
	Boneless frozen ^b	Boneless frozen ^b	Boneless frozen	Boneless chilled	Boneless chilled ^c	Carcasses frozen	Bone-in frozen
	US\$/kg cif	Ac/kg fas	Ac/kg fob	Ac/kg fob	Ac/kg fob	Ac/kg fob	Ac/kg fob
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	336.7	477.0	172.8	188.9	238.3
1989	270.7	295.0	339.4	527.3	189.7	186.3	231.3
1990	266.5	301.0	366.8	523.5	241.2	176.9	223.2
1991	265.5	304.4	344.2	571.5	190.3	199.2	229.1
1992	247.5	301.4	335.8	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	308.9	576.4	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	228.2	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	315.1	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	367.0	708.5	519.0	362.1	547.5
2006	277.2	336.1	350.4	703.8	703.9	331.2	532.1
2005							
March	279.7	325.6	372.7	718.7	420.3	351.4	609.0
June	283.5	335.3	385.9	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
2006							
March	272.6	335.2	356.8	704.9	908.4	359.8	514.8
June	268.9	324.3	356.1	706.9	465.9	332.5	526.9
September	281.9	336.1	340.6	701.9	592.0	321.4	585.7
December	285.2	336.1	348.0	701.3	849.2	310.9	501.2
2007							
March	281.5	321.0	340.1	695.3	981.3	309.2	435.7
June	279.0	300.2	330.3	653.3	995.1	330.8	522.4

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

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

157 Australian exports of meat, by product ^a

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Quantity									
Beef and veal ^b	kt	852	959	902	902	860	948	892	974
Mutton ^b	kt	171	180	159	152	120	137	145	162
Lamb ^b	kt	99	115	109	98	112	123	143	150
Pig meat ^b	kt	39	44	59	63	51	43	44	41
Poultry meat ^b	kt	17	21	21	23	20	20	22	28
Live sheep ^c	'000	4 859	5 936	6 443	5 843	3 843	3 233	4 248	4 138
Live cattle ^c	'000	846	846	797	977	581	574	549	638
Value ^d									
Beef and veal ^e	\$m	3 119	4 007	4 189	3 756	3 793	4 584	4 272	4 634
Mutton ^e	\$m	326	416	492	442	380	398	432	458
Lamb ^e	\$m	376	504	577	533	602	673	767	749
Pig meat	\$m	159	186	265	256	181	150	143	142
Poultry meat	\$m	21	26	26	22	20	20	21	26
Live sheep ^c	\$m	180	258	392	408	266	207	291	289
Live cattle ^c	\$m	433	482	526	569	318	374	358	437
Total	\$m	4 613	5 878	6 467	5 987	5 560	6 405	6 284	6 735
Unit value ^d									
Beef and veal	\$/kg	3.66	4.17	4.65	4.16	4.41	4.83	4.79	4.76
Mutton	\$/kg	1.92	2.31	3.09	2.92	3.16	2.93	2.98	2.84
Lamb	\$/kg	3.78	4.39	5.29	5.44	5.36	5.47	5.36	4.98
Pig meat	\$/kg	4.05	4.22	4.50	4.07	3.58	3.44	3.24	3.45
Poultry meat	\$/kg	1.22	1.23	1.23	0.95	0.98	1.01	0.97	0.93
Live sheep	\$/head	37.12	43.41	60.79	69.87	69.34	63.92	68.61	69.77
Live cattle	\$/head	512.79	575.88	664.48	582.90	549.85	652.47	659.60	694.67

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

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

158 Summary of world statistics for livestock

	Livestock numbers		Production			
	Cattle	Sheep	Beef and veal	Mutton and lamb	Pig meat	Poultry meat
	million	million	Mt	Mt	Mt	Mt
1960	na	na	na	na	na	na
1961	944	997	27.7	5.0	24.7	9.0
1962	959	999	29.2	5.1	26.1	9.2
1963	972	1 002	30.9	5.1	28.0	9.8
1964	989	1 015	31.3	5.0	28.7	10.2
1965	1 010	1 033	31.9	5.1	31.3	11.0
1966	1 029	1 042	33.6	5.1	32.4	11.7
1967	1 051	1 061	35.3	5.3	33.9	12.5
1968	1 066	1 075	37.0	5.5	34.4	12.9
1969	1 071	1 081	37.9	5.4	34.1	13.8
1970	1 083	1 064	38.4	5.6	35.8	15.2
1971	1 098	1 067	38.1	5.7	39.4	15.8
1972	1 120	1 038	38.6	5.7	40.6	16.9
1973	1 139	1 017	38.8	5.4	40.5	17.7
1974	1 167	1 030	41.9	5.2	42.4	18.4
1975	1 188	1 049	43.7	5.3	41.7	18.8
1976	1 200	1 049	46.1	5.3	40.8	20.2
1977	1 205	1 039	46.5	5.4	43.0	21.4
1978	1 206	1 051	47.0	5.4	45.6	22.9
1979	1 211	1 070	45.8	5.4	50.1	24.8
1980	1 217	1 099	45.6	5.7	52.7	26.2
1981	1 228	1 114	46.0	5.9	53.0	27.7
1982	1 242	1 133	45.9	5.9	53.2	28.7
1983	1 249	1 128	47.2	6.1	55.5	29.5
1984	1 255	1 121	48.5	6.1	57.5	30.0
1985	1 260	1 121	49.3	6.3	60.0	31.5
1986	1 267	1 128	51.0	6.3	61.5	33.6
1987	1 267	1 144	50.9	6.4	63.6	36.2
1988	1 273	1 165	51.4	6.7	67.1	38.0
1989	1 290	1 200	51.7	6.9	68.2	39.0
1990	1 298	1 207	53.4	7.0	69.9	41.4
1991	1 298	1 183	53.9	7.1	71.9	43.6
1992	1 304	1 160	53.1	7.0	74.1	45.9
1993	1 305	1 119	52.6	7.1	76.5	48.7
1994	1 316	1 108	53.4	7.2	79.2	51.3
1995	1 325	1 072	54.2	7.2	80.1	55.2
1996	1 319	1 058	54.7	7.0	79.4	56.9
1997	1 310	1 040	55.4	7.2	83.1	60.3
1998	1 309	1 043	55.3	7.3	88.5	63.1
1999	1 312	1 050	56.3	7.4	89.3	66.0
2000	1 313	1 052	56.9	7.6	90.1	69.7
2001	1 317	1 030	56.1	7.6	92.1	72.5
2002	1 333	1 025	57.7	7.7	95.3	75.3
2003	1 349	1 034	58.3	7.8	98.1	77.1
2004	1 178	1 064	59.5	8.2	100.2	80.6
2005	1 173	1 091	59.9	8.5	103.5	84.0
2006	1 359	1 102	61.0	8.6	105.6	85.2

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	1999	2000	2001	2002	2003	2004	2005	2006
Cattle numbers a	million	99.1	98.2	97.3	96.7	96.1	94.9	95.4	96.7
Beef and veal b									
Production c	kt	12 124	12 298	11 983	12 427	12 039	11 261	11 318	11 981
Imports	kt	1 303	1 375	1 435	1 459	1 363	1 669	1 632	1 399
Exports and shipments	kt	1 094	1 120	1 029	1 110	1 142	209	317	523
Total consumption	kt	12 325	12 502	12 351	12 737	12 340	12 667	12 663	12 830
Consumption per person	kg	43.7	43.9	42.9	43.8	42.0	42.7	42.2	42.4
Pork b									
Production c	kt	8 758	8 596	8 691	8 929	9 056	9 312	9 392	9 559
Imports	kt	375	438	431	486	538	499	464	449
Exports and shipments	kt	582	584	707	731	779	989	1 209	1 359
Total consumption	kt	8 594	8 455	8 389	8 685	8 816	8 817	8 669	8 640
Consumption per person	kg	30.5	29.7	29.1	29.9	30.0	29.7	28.9	28.5
Poultry d									
Production c	kt	15 739	16 122	16 523	17 024	17 225	17 727	18 334	18 572
Exports and shipments	kt	2 252	2 433	2 741	2 379	2 451	2 371	2 619	2 633
Total consumption	kt	13 474	13 697	13 827	14 586	14 841	15 353	15 677	16 036
Consumption per person	kg	47.8	48.1	48.0	50.2	50.5	51.7	52.3	53.0

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	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Livestock numbers b									
Cattle	million	9.0	9.3	9.6	9.7	9.7	9.6	9.5	9.6
- dairy cattle	million	4.3	4.6	4.8	5.2	5.1	5.2	5.1	5.2
- beef cattle	million	4.6	4.7	4.8	4.5	4.6	4.4	4.4	4.4
Sheep	million	45.7	42.8	40.0	39.6	39.6	39.3	39.9	40.1
Production c									
Beef and veal	kt	561.7	567.6	591.5	576.2	660.2	709.6	651.8	642.9
Lamb	kt	401.0	427.8	433.5	413.9	433.5	411.3	437.6	438.5
Mutton	kt	116.6	105.0	128.7	107.2	112.9	107.0	105.2	103.7
Exports of meat d									
Beef and veal	kt	303.4	312.2	331.4	324.8	373.5	422.5	391.3	372.8
Lamb	kt	271.1	297.3	298.5	289.2	296.2	293.2	300.0	311.5
Mutton	kt	54.4	50.5	58.1	52.4	57.5	58.4	60.4	56.9
Consumption per person ce									
Beef and veal	kg	31.3	31.0	27.2	26.4	30.0	31.9	29.2	na
Lamb	kg	7.7	10.2	10.0	10.3	10.0	9.4	10.0	na
Mutton	kg	6.6	7.5	7.1	5.5	4.4	3.5	3.0	na

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

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

meat - general

161 Gross value of Australian livestock slaughterings

	2001-02 \$m	2002-03 \$m	2003-04 \$m	2004-05 \$m	2005-06 \$m	2006-07 ^s \$m
Livestock slaughterings						
Cattle and calves ^a	6 616.9	5 841.8	6 340.9	7 454.7	7 324.8	7 034.7
Cattle exported live ^b	525.5	569.3	317.9	374.1	357.8	437.4
Sheep ^c	544.5	467.7	454.2	417.8	444.0	370.0
Lambs ^{cd}	1 181.4	1 160.9	1 318.1	1 327.0	1 378.0	1 360.0
Sheep exported live ^b	391.7	408.2	266.5	206.7	291.5	288.7
Pigs	967.7	911.3	878.9	906.0	890.1	959.8
Poultry	1 174.9	1 280.5	1 280.8	1 303.7	1 229.1	1 442.3
Total	11 434.5	10 676.0	10 896.0	12 032.7	11 964.8	11 937.0

^a Includes dairy cattle slaughtered. ^b Excludes animals for breeding. ^c Excludes skin values. ^d 18-20 kilograms dressed weight. ^s ABARE estimate.
 Note: The gross value of production is the value placed on recorded production at the wholesale prices realised in the market place. The point of measurement can vary between commodities. Generally the market place is the metropolitan market in each state and territory. However, where commodities are consumed locally or where they become raw material for a secondary industry, these points are presumed to be the market place. Prices used in these calculations do not include the GST.
 Sources: ABS; 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	850	731
1990	8 253	211	1 738	1 052	688
1991	8 427	208	1 749	1 068	687
1992	8 731	210	1 834	1 183	653
1993	8 343	217	1 814	1 158	656
1994	8 366	221	1 845	1 160	696
1995	7 906	217	1 719	1 092	636
1996	7 968	218	1 734	1 016	723
1997	9 148	212	1 939	1 175	768
1998	9 308	213	1 987	1 268	721
1999	8 756	227	1 991	1 272	721
2000	8 734	235	2 053	1 329	726
2001	8 764	237	2 079	1 407	674
2002	9 050	231	2 090	1 362	729
2003	8 906	224	1 998	1 246	754
2004	8 803	240	2 113	1 357	762
2005	8 466	247	2 090	1 343	755
2006	8 854	247	2 188	1 408	786

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.

meat – beef and veal

163 Australian cattle numbers, by state and territory ^a

	New South Wales '000	Victoria '000	Queensland '000	South Australia '000	Western Australia '000	Tasmania '000	Northern Territory '000	Australian Capital Territory '000	Australia '000
Adult female beef cattle									
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	383	1 890	212	154	111	183	1 802	9	2 933
2006	2 987	1 288	5 995	618	1 237	229	1 092	9	13 456
2007	na	na	na	na	na	na	na	na	na
Total beef cattle and calves									
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	25 421
2006	5 846	2 679	11 764	1 219	2 350	505	1 674	17	26 054
2007	na	na	na	na	na	na	na	na	25 127
Total dairy cattle and calves									
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	2 860
2006	346	1 753	206	169	122	197	0	0	2 793
2007	na	na	na	na	na	na	na	na	2 673
Total cattle and calves									
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	28 289
2006	6 192	4 432	11 970	1 388	2 472	702	1 674	17	28 846
2007	na	na	na	na	na	na	na	na	27 800

^a 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 ^a

	Unit	1999	2000	2001	2002	2003	2004	2005	2006
Beef and veal									
Americas									
Canada	kt	43.3	41.5	50.9	82.9	29.0	7.5	7.6	9.6
United States	kt	291.1	352.3	397.7	385.9	367.9	347.2	317.5	295.2
Asia									
Chinese Taipei	kt	34.7	28.6	29.1	34.4	31.1	26.5	30.3	28.6
Hong Kong, China	kt	3.2	3.6	3.1	2.9	2.1	2.4	1.8	1.8
Indonesia	kt	11.6	13.1	9.6	14.6	13.0	7.1	8.8	12.2
Japan	kt	313.3	325.7	319.1	237.0	279.3	393.5	405.1	405.8
Korea, Rep. of	kt	77.9	73.3	56.8	80.2	62.3	93.3	106.4	149.6
Malaysia	kt	5.1	5.5	5.4	7.4	6.5	4.8	2.3	2.0
Philippines	kt	20.4	14.3	19.7	12.9	8.6	2.1	3.0	1.9
Singapore	kt	5.5	3.9	3.4	3.9	3.7	2.1	1.9	3.2
Europe									
European Union ^b	kt	8.9	5.6	6.5	6.5	5.5	6.7	6.5	8.5
CIS	kt	8.4	1.4	5.3	1.4	0.3	0.4	0.5	12.5
Eastern Europe	kt	2.5	2.1	0.4	3.0	1.4	0.4	0.1	0.0
Middle East									
Kuwait	kt	0.5	0.1	1.1	0.4	2.5	0.7	0.2	0.2
Saudi Arabia	kt	1.0	0.5	5.0	2.3	1.8	0.7	0.3	1.0
United Arab Emirates	kt	0.6	0.9	2.0	1.7	1.1	1.2	1.3	0.0
Oceania									
New Zealand	kt	1.6	3.1	1.4	6.8	3.5	2.3	2.0	1.7
Pacific Isles	kt	2.1	2.3	2.5	2.7	2.1	1.7	1.5	2.0
Papua New Guinea	kt	8.2	7.1	4.8	4.3	2.3	2.5	2.2	2.7
Total beef and veal	kt	868.0	901.6	946.6	920.4	840.9	913.8	909.4	953.9
Live cattle									
Slaughter cattle									
Asia									
Indonesia	'000	159.5	296.7	287.7	426.2	375.8	357.1	348.0	386.6
Japan	'000	12.4	14.4	17.4	14.0	21.9	17.1	24.5	20.2
Malaysia	'000	65.2	56.5	77.5	90.9	86.5	47.4	38.1	56.5
Philippines	'000	266.1	223.8	97.4	113.1	74.5	46.7	20.9	13.1
Middle East									
Egypt	'000	240.5	207.6	203.2	143.9	7.6	0.0	7.0	0.0
Israel	'000	8.7	15.8	32.6	47.8	43.2	20.9	32.0	79.4
Jordan	'000	37.6	40.7	13.2	4.4	23.1	34.2	17.0	5.9
Saudi Arabia	'000	0.0	0.0	20.8	54.3	15.7	0.0	17.5	27.6
Total	'000	833.7	887.0	797.9	955.0	689.4	570.9	531.1	609.2
Breeding cattle	'000	10.6	9.0	24.6	16.8	84.9	66.8	41.7	25.1
Total live cattle	'000	844.2	896.0	822.5	971.9	774.2	637.7	572.8	634.3

^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.

meat – beef and veal

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

	1999	2000	2001	2002	2003	2004	2005	2006
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Beef and veal								
Americas								
Canada	128.0	148.1	204.4	320.2	110.9	38.1	32.6	43.8
United States	805.1	1 172.8	1 699.7	1 593.6	1 332.3	1 374.4	1 186.4	1 180.7
Asia								
Chinese Taipei	123.2	116.7	132.6	152.3	126.7	124.2	148.3	134.6
Hong Kong, China	16.6	18.2	17.8	17.1	15.0	27.3	18.7	13.5
Indonesia	33.3	40.8	37.2	46.1	38.4	26.7	33.5	39.0
Japan	1 369.7	1 537.3	1 728.2	1 237.7	1 384.4	2 189.9	2 244.7	2 172.1
Korea, Rep. of	201.8	221.8	228.9	320.4	250.7	434.4	494.8	734.7
Malaysia	13.5	15.0	16.0	20.2	15.9	12.1	7.8	10.0
Philippines	38.5	34.3	55.8	36.1	23.0	4.3	5.9	3.7
Singapore	21.1	18.5	20.4	20.8	22.5	17.3	15.5	19.2
Europe								
European Union ^a	61.3	37.3	48.4	53.5	49.2	62.8	56.8	77.2
CIS	18.1	3.8	14.4	2.9	0.7	2.0	4.6	61.0
Eastern Europe	6.9	6.3	1.2	9.1	4.5	1.3	0.4	0.4
Middle East								
Kuwait	1.6	0.3	4.6	1.8	9.8	3.4	1.0	0.9
Saudi Arabia	3.3	2.1	23.0	11.6	7.8	3.1	1.7	4.5
United Arab Emirates	2.5	4.4	11.6	10.9	7.8	12.0	13.7	0.3
Oceania								
New Zealand	5.0	11.1	6.3	25.6	15.9	9.8	8.8	8.0
Pacific Isles	4.1	5.2	7.2	7.4	5.4	4.5	4.0	6.3
Papua New Guinea	14.1	14.1	11.5	9.8	4.9	5.2	4.3	5.8
Total beef and veal	2 963.2	3 464.0	4 357.3	4 002.6	3 475.4	4 390.3	4 346.6	4 604.0
Live cattle ^b								
Asia								
Indonesia	68.5	143.1	171.8	254.4	203.4	207.5	209.1	246.9
Japan	7.8	9.8	12.7	11.2	18.1	14.6	20.5	17.3
Malaysia	29.9	25.7	38.5	45.1	38.9	25.2	20.1	31.3
Philippines	126.7	117.8	58.4	65.8	39.1	30.1	11.6	7.7
Middle East								
Egypt	131.2	129.7	153.8	94.9	5.0	0.0	3.8	0.0
Israel	3.8	9.0	15.4	23.9	22.8	11.9	20.6	58.2
Jordan	15.7	18.1	6.7	2.4	12.9	15.3	10.2	4.3
Libya	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saudi Arabia	0.0	0.0	14.9	32.5	9.4	0.0	11.0	19.3
Total live cattle	409.2	471.7	514.4	583.6	382.7	359.4	337.1	407.9

^a Regarded as fifteen countries to May 2004, then twenty five countries from June 2004. ^b 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 ^a

	1999	2000	2001	2002	2003	2004	2005	2006
	million	million	million	million	million	million	million	million
Argentina	49.1	48.7	48.9	48.1	50.9	50.8	50.8	50.8
Australia ^b	26.0	27.6	27.7	27.9	26.7	27.5	28.3	28.8
Brazil	164.6	169.9	176.4	185.3	195.6	204.5	207.2	207.2
Canada	13.2	13.2	13.6	13.8	13.5	14.7	15.1	14.8
China ^c	101.8	104.6	106.1	105.7	108.3	112.5	115.6	117.8
European Union ^d	95.5	97.6	96.1	94.0	92.8	91.9	90.9	90.4
Japan	4.7	4.6	4.5	4.6	4.5	4.5	4.4	4.4
New Zealand	9.0	9.3	9.6	9.7	9.7	9.6	9.5	9.6
Russian Federation	28.5	28.0	27.3	27.1	26.5	24.9	23.0	21.5
South Africa	13.8	13.6	13.5	13.6	13.5	13.5	13.8	13.8
Ukraine	11.7	10.6	9.4	9.4	9.1	7.7	6.9	6.5
United States	99.1	98.2	97.3	96.7	96.1	94.9	95.4	96.7
Uruguay	10.4	10.4	10.6	11.3	11.7	12.0	12.0	12.0
World	1 311.9	1 313.4	1 317.2	1 332.5	1 348.8	1 177.6	1 172.5	1 358.7

^a As close as possible to 1 January. ^b Includes livestock holdings on establishments with an estimated value of agricultural operations (EVAO) of \$5 000 or more. ^c Excludes Hong Kong. ^d Regarded as 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 ^a

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Argentina	2 840	2 880	2 640	2 700	2 800	3 130	3 200	3 100
Australia	1 991	2 053	2 079	2 090	1 998	2 113	2 090	2 188
Brazil	6 270	6 520	6 895	7 240	7 385	7 975	8 592	9 020
Canada	1 238	1 246	1 250	1 294	1 190	1 496	1 523	1 425
China ^b	5 054	5 328	5 488	5 846	6 305	6 759	7 115	7 492
European Union ^c	8 803	8 492	8 346	8 397	8 304	8 245	8 090	8 173
Japan	537	530	458	537	496	514	500	497
Mexico	1 900	1 900	1 925	1 930	1 950	2 099	2 125	2 175
New Zealand	562	568	591	576	660	710	652	643
Russian Federation	1 900	1 840	1 760	1 740	1 670	1 590	1 525	1 430
South Africa	584	630	665	645	613	655	679	660
United States	12 124	12 298	11 983	12 427	12 039	11 261	11 318	11 981
Uruguay	425	440	317	425	450	544	600	635
World	56 345	56 918	56 069	57 698	58 286	59 532	59 928	61 033

^a Carcass weight equivalent. ^b Excludes Hong Kong. ^c 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.

meat – beef and veal

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

	1998	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Exports									
Argentina	303	359	357	169	348	386	623	762	556
Australia	1 268	1 272	1 329	1 407	1 362	1 246	1 357	1 343	1 408
Brazil	306	464	492	748	881	1 175	1 628	1 867	2 109
Canada	428	492	522	573	609	383	557	551	440
China ^b	91	57	54	60	44	43	61	91	99
European Union ^c	890	897	546	503	486	389	359	255	221
India	245	224	349	370	417	439	499	627	750
New Zealand	488	443	485	496	486	558	606	589	541
United States	985	1 094	1 120	1 029	1 110	1 142	209	317	523
Uruguay	218	189	236	145	262	325	410	487	510
Total	5 439	5 724	5 746	5 670	6 274	6 339	6 496	7 091	7 273
Imports									
Brazil	106	54	72	44	78	63	53	49	28
Canada	232	254	263	300	308	274	111	133	159
Chinese Taipei	82	94	83	78	89	98	80	92	101
Egypt	158	215	221	142	173	123	168	214	225
European Union ^c	414	457	368	358	461	463	584	625	na
Japan	989	1 007	1 067	1 002	712	851	647	700	692
Korea, Rep. of	125	242	324	246	430	444	218	243	290
Russian Federation	770	784	415	648	719	720	730	993	955
United States	1 199	1 303	1 375	1 435	1 459	1 363	1 669	1 632	1 399
Total	4 771	5 065	4 935	4 978	5 242	5 074	4 891	5 424	5 215

^a Carcass weight. ^b Excludes Hong Kong. ^c Excludes intra-EU trade. Regarded as fifteen countries to 1999, then twenty five countries from 2000. ^{na} Not available.

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

169 Summary of Japanese beef and veal statistics

	Unit	1999	2000	2001	2002	2003	2004	2005	2006
Cattle numbers a									
Beef b	'000	2 842	2 823	2 806	2 838	2 805	2 788	2 747	2 755
Dairy c	'000	1 816	1 764	1 725	1 726	1 719	1 690	1 655	1 635
Total	'000	4 658	4 587	4 531	4 564	4 524	4 478	4 402	4 390
Cattle slaughterings									
Wagyu	'000	588.6	576.8	497.2	500.0	466.0	459.6	458.7	450.2
Dairy	'000	708.1	705.4	603.6	719.0	749.1	764.2	738.9	729.1
Calves	'000	9.7	6.4	5.5	4.6	8.7	10.6	8.4	7.2
Total	'000	1 306.4	1 288.6	1 119.0	1 238.1	1 237.7	1 253.9	1 225.1	1 205.7
Production d									
Wagyu beef	kt	240.0	236.2	205.5	217.1	188.4	190.9	192.5	192.0
Dairy beef	kt	289.6	288.0	247.9	313.6	300.5	313.7	297.8	295.5
Veal	kt	0.9	0.6	0.6	0.6	1.0	1.1	1.0	0.8
Total	kt	540.4	530.3	458.6	536.6	496.0	513.6	499.6	488.3
Imports									
Fresh or chilled beef and veal e									
Australia	kt	193.0	200.7	166.6	150.2	152.5	215.8	218.8	206.3
Canada	kt	3.4	5.4	5.6	4.3	1.1	0.0	0.1	2.0
New Zealand	kt	4.0	3.7	3.4	2.5	3.1	3.8	4.8	5.7
United States	kt	133.0	145.6	116.4	98.0	87.9	0.0	0.6	6.9
Other	kt	0.1	0.1	0.0	0.0	0.0	1.0	2.7	2.4
Total	kt	333.5	355.5	292.0	255.1	244.5	220.6	227.0	223.4
Frozen beef and veal e									
Australia	kt	121.2	129.3	118.3	112.0	141.7	194.0	186.9	203.1
Canada	kt	14.0	13.4	15.6	15.4	1.5	0.0	0.0	0.5
New Zealand	kt	11.3	10.0	11.9	8.7	18.2	31.0	34.9	29.5
United States	kt	194.5	202.7	168.9	142.1	113.1	0.0	0.0	5.3
Other	kt	2.3	7.9	0.5	0.4	0.6	3.2	8.5	4.8
Total	kt	343.3	363.3	315.2	278.7	275.1	228.3	230.3	243.2
Total beef and veal ef									
Australia	kt	314.2	330.0	284.9	262.3	294.1	409.8	405.7	409.4
Canada	kt	17.4	18.8	21.1	19.7	2.6	0.0	0.1	2.5
New Zealand	kt	15.3	13.8	15.3	11.2	21.2	34.8	39.8	35.2
United States	kt	327.5	348.2	285.3	240.1	201.0	0.0	0.7	12.2
Other	kt	3.6	9.0	0.6	0.4	0.6	4.2	11.1	7.2
Total	kt	678.0	719.8	607.2	533.8	519.6	448.8	457.3	466.5
Prices									
Wagyu steer g	¥/kg	1 720	1 677	1 561	1 462	1 848	2 002	2 074	2 079
Dairy steer h	¥/kg	686	836	698	482	689	857	898	915

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.

meat - beef and veal

170 Summary of Korean beef and veal statistics

	Native cattle		Consumption		Average prices		
	numbers ^a	Production ^b	Imported beef	Total beef	Farm ^c	Wholesale ^d	Retail ^e
			and veal ^b	and veal ^b			
	'000	kt	'000	kt	won/kg	won/kg	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	316.9	7 752	10 898	37 304
2006	2 020	200.0	179.4	330.6	8 502	10 915	37 921

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

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

171 Australian supply and use of pig and poultry meats

	Unit	1998	1999	2000	2001	2002	2003	2004	2005	2006
Pig meat										
Pig numbers a	'000	2 768	2 626	2 511	2 748	2 940	2 658	2 547	2 729	2 755
Breeding sows and gilts a	'000	320	309	293	332	356	353	318	352	356
Slaughterings	'000	5 212	5 037	5 014	5 172	5 603	5 723	5 440	5 372	5 320
Average slaughter weight b	kg	70.8	71.9	72.7	73.2	72.7	73.2	72.6	72.7	71.9
Production b	kt	369.0	362.2	364.4	378.5	407.3	418.9	394.8	390.3	382.7
Imports bc	kt	19.6	49.1	72.6	65.2	92.6	112.0	127.1	162.3	169.0
Exports bc	kt	25.1	45.4	55.9	77.3	91.5	88.3	70.4	64.7	67.2
Total consumption bd	kt	363.8	365.3	381.1	366.5	408.4	442.6	451.6	488.0	484.4
Consumption per person bc	kg	19.5	19.4	20.0	19.0	20.9	22.4	22.6	24.2	23.5
Poultry meat e										
Slaughterings	million	372.8	382.1	401.6	397.2	428.2	418.3	435.6	432.9	444.8
Average dressed weight b	kg	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.9	1.9
Production b	kt	602.1	613.8	657.5	662.0	736.6	719.3	758.5	802.7	840.1
Exports b	kt	22.9	24.0	23.7	30.7	28.1	27.1	24.6	29.0	26.8
Total consumption d	kt	579.2	589.8	633.8	631.3	708.5	692.2	733.9	773.7	813.3
Consumption per person	kg	31.1	31.3	33.2	32.7	36.3	35.1	36.8	38.4	39.5

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.

172 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	2 547
2005	787	564	716	286	360	13	2	na	2 729
2006	666	633	717	305	414	17	2	na	2 755
2007	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.

meat – pigs and poultry

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

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Pig meat								
Australia	362	364	379	407	419	395	390	383
Canada	1 566	1 640	1 731	1 858	1 882	1 920	1 914	1 898
China ^b	39 900	41 406	42 982	44 358	46 233	48 118	51 202	52 927
Denmark	1 642	1 625	1 716	1 759	1 762	1 810	1 793	1 749
France	2 353	2 312	2 315	2 346	2 339	2 293	2 018	2 011
Germany	4 103	3 982	4 074	4 110	4 239	4 366	4 500	4 500
Netherlands	1 711	1 623	1 432	1 377	1 253	1 299	1 297	1 230
Russian Federation	1 485	1 569	1 498	1 583	1 706	1 643	1 520	1 602
United States	8 758	8 597	8 691	8 929	9 056	9 313	9 383	9 550
Poultry meat								
Australia	614	658	662	737	719	758	803	840
Brazil	5 641	6 117	6 732	7 631	7 845	8 648	9 625	na
Canada	986	1 029	1 076	1 079	1 077	1 091	1 155	na
China ^b	8 550	9 269	9 278	9 558	9 898	9 998	10 200	na
France	2 188	2 221	2 215	2 105	2 015	1 976	1 971	na
Italy	1 133	1 089	1 135	1 169	948	983	1 000	na
Japan	1 078	1 091	1 074	1 107	1 127	1 124	1 165	na
Russian Federation	358	387	437	509	562	665	757	na
Thailand	980	1 070	1 230	1 275	1 340	900	950	na
United States	15 739	16 122	16 523	17 024	17 225	17 727	18 334	18 572

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

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

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

	1998	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Exports ^b									
Australia	25	45	56	77	92	88	70	65	67
Canada	433	554	660	728	864	975	972	1 084	1 080
China ^c	203	143	144	223	307	397	537	502	543
European Union ^d	1 397	1 761	1 523	1 136	1 159	1 235	1 463	1 355	1 410
United States	558	582	584	707	731	779	989	1 209	1 359
Imports ^b									
Australia	20	49	73	65	93	112	127	162	169
Hong Kong, China	207	217	247	260	275	302	332	305	310
Japan	777	919	995	1 068	1 162	1 133	1 302	1 339	1 146
European Union ^d	251	59	70	111	147	188	230	307	337
United States	320	375	438	431	486	538	499	464	449

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

	Slaughtering '000	Average weight ^a kg	Production ^a kt	Exports ^{ab} kt	Apparent Consumption ^a kt
Mutton					
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	153.0	111.8
1989	13 698	20.6	282.6	149.3	131.9
1990	17 254	20.7	358.0	212.8	122.6
1991	18 750	21.0	394.6	262.5	146.5
1992	18 186	20.7	376.6	251.4	124.7
1993	18 047	21.5	387.9	234.4	149.4
1994	17 991	20.9	375.3	242.3	154.2
1995	15 228	20.5	312.1	208.6	101.4
1996	14 447	21.1	304.1	198.4	108.6
1997	15 552	20.5	319.6	209.2	113.1
1998	15 316	20.6	316.2	208.9	108.1
1999	14 723	21.0	309.8	209.4	94.0
2000	16 379	21.1	345.7	235.5	110.2
2001	15 789	20.6	325.5	226.6	98.9
2002	14 873	20.0	296.7	217.6	82.2
2003	10 522	20.3	213.7	150.4	63.7
2004	11 145	20.9	233.0	169.7	53.4
2005	11 636	20.7	241.1	180.0	61.1
2006	13 113	20.5	269.4	204.7	64.7
Lamb					
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	47.2	244.1
1989	16 864	17.8	299.6	41.5	257.4
1990	16 549	17.5	289.0	43.5	243.8
1991	15 818	17.4	274.3	42.0	232.7
1992	15 595	17.6	274.7	45.5	230.5
1993	14 668	17.6	258.7	56.2	200.5
1994	15 718	17.9	281.3	64.5	220.1
1995	14 680	17.9	263.0	55.1	207.7
1996	14 069	18.5	260.8	62.6	197.2
1997	14 924	18.8	279.9	78.3	201.6
1998	15 659	19.2	300.8	88.1	212.2
1999	16 346	19.5	318.8	101.1	216.9
2000	18 507	19.9	368.2	125.2	243.0
2001	17 897	19.7	352.6	124.9	227.8
2002	17 086	19.8	337.6	116.1	221.6
2003	16 430	20.1	329.8	122.5	207.3
2004	16 675	20.4	340.2	131.3	208.9
2005	18 228	20.6	374.8	169.8	205.0
2006	19 483	20.5	399.8	175.9	223.5

^a Carcass weight. ^b Excludes canned and miscellaneous product.

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

176 Australian sheep numbers, by state and territory ^a

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australian Capital Territory	Australia
	million	million	million	million	million	million	million	million
Total sheep and lambs								
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	20.994	10.556	13.065	26.378	3.801	0.080	115.456
2000	43.405	22.664	9.195	13.759	26.109	3.341	0.080	118.552
2001	40.887	22.272	8.660	12.585	23.129	3.284	0.110	110.928
2002	38.491	21.350	6.752	13.043	23.063	3.380	0.088	106.166
2003	33.706	20.388	4.815	13.060	23.887	3.299	0.098	99.252
2004	35.227	19.978	4.824	12.917	25.063	3.183	0.095	101.287
2005	34.802	20.851	5.016	12.643	25.936	3.146	0.088	102.482
2006	31.665	18.269	4.765	11.706	23.258	2.953	0.111	92.728
2007	na	na	na	na	na	na	na	86.786 ^s

^a 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. ^s ABARE estimate. **na** Not available.

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

177

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

	Unit	1999	2000	2001	2002	2003	2004	2005	2006
Mutton ab									
Canada	kt	1.6	2.2	2.4	1.5	1.1	1.6	1.6	1.9
Chinese Taipei	kt	12.0	11.6	12.1	14.7	10.2	13.1	11.3	9.4
CIS	kt	0.6	1.6	1.6	2.3	0.5	1.9	5.4	11.5
European Union c	kt	8.0	8.5	7.6	8.6	5.5	8.4	9.0	8.3
Japan	kt	10.9	11.1	10.4	10.4	6.6	9.0	8.3	7.0
Korea, Rep. of	kt	1.4	1.0	1.0	1.2	0.8	1.0	1.1	0.9
Malaysia	kt	7.2	7.7	7.3	7.1	5.2	6.6	5.9	7.7
Papua New Guinea	kt	7.6	6.4	5.5	5.5	4.6	5.9	3.9	3.2
Saudi Arabia	kt	19.9	20.9	29.8	24.5	22.5	19.5	22.7	23.9
Singapore	kt	7.8	7.6	7.6	6.6	6.2	6.4	5.6	6.0
South Africa	kt	30.6	38.4	24.7	15.7	9.3	12.6	15.0	19.9
United States	kt	17.7	21.5	18.8	20.9	20.1	14.6	16.1	18.8
Other	kt	46.3	47.7	55.5	54.0	31.6	38.6	42.4	48.8
Total	kt	171.7	186.2	184.2	172.7	124.1	139.2	148.4	167.1
Lamb a									
European Union c	kt	11.8	14.5	14.4	14.1	16.4	14.9	12.3	13.3
Japan	kt	4.6	5.1	6.1	5.8	6.0	7.7	11.7	12.1
Papua New Guinea	kt	11.3	14.8	11.9	10.0	9.6	11.6	12.4	11.9
South Africa	kt	7.2	11.1	3.6	1.3	1.6	2.3	3.8	5.3
United Arab Emirates	kt	6.1	7.2	7.2	8.4	7.1	5.8	6.9	10.7
United States	kt	15.8	20.9	28.4	28.8	31.0	31.9	40.8	40.8
Other	kt	28.6	40.4	42.0	39.8	38.1	44.2	56.6	58.4
Total	kt	85.4	113.9	113.6	108.2	109.7	118.5	144.5	152.4
Live sheep									
Slaughter sheep	'000	4 960	5 321	6 699	6 024	4 738	3 394	4 184	4 163
Middle East	'000	4 892	5 282	6 596	5 931	4 634	3 356	4 144	4 137
Bahrain	'000	465	405	388	386	411	490	521	557
Egypt	'000	164	349	271	139	16	0	0	0
Jordan	'000	1 068	713	542	583	499	930	885	685
Kuwait	'000	1 250	1 473	1 540	1 570	1 499	1 260	891	962
Oman	'000	424	531	481	353	259	289	359	320
Qatar	'000	281	308	308	282	181	137	180	192
Saudi Arabia	'000	0	641	2 141	1 873	1 411	0	1 072	1 193
United Arab Emirates	'000	976	817	682	466	225	196	231	209
Other	'000	264	46	242	279	134	53	5	20
Singapore	'000	18	17	13	6	7	9	16	9
Other	'000	51	22	90	87	98	29	24	17
Breeding sheep	'000	65	100	112	39	4	3	1	4
Total	'000	5 026	5 421	6 812	6 063	4 742	3 397	4 185	4 167

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.

meat - sheep

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

	1999	2000	2001	2002	2003	2004	2005	2006
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Mutton a								
Canada	3.1	4.6	6.8	5.2	3.6	5.8	5.4	7.1
Chinese Taipei	27.6	26.3	36.9	48.9	32.2	41.9	34.8	29.8
CIS	0.9	3.1	3.7	5.4	1.3	5.8	13.5	33.1
European Union b	28.2	34.1	42.0	41.4	28.1	43.2	48.3	46.7
Japan	32.6	34.0	42.7	51.1	29.9	47.1	38.1	31.5
Korea, Rep. of	2.1	1.7	2.3	3.3	2.2	3.1	3.1	2.9
Malaysia	13.7	16.5	21.7	22.9	15.9	22.6	18.5	25.1
Papua New Guinea	7.5	6.2	7.4	6.6	6.1	5.1	5.2	4.2
Saudi Arabia	36.8	43.9	90.1	77.5	65.0	53.0	63.9	67.3
Singapore	16.5	18.4	23.4	23.2	20.4	22.0	18.6	19.5
South Africa	35.3	46.3	30.9	17.6	11.1	14.1	18.7	29.2
United States	37.1	43.9	56.4	64.7	67.9	48.6	44.4	50.2
Other	84.3	97.1	146.3	152.0	91.7	113.6	119.7	141.3
Total	325.8	376.4	510.6	519.7	375.3	426.0	432.0	487.9
Lamb								
European Union b	52.3	74.3	105.7	89.3	96.9	93.4	83.9	85.6
Japan	25.1	30.7	37.0	40.8	42.3	53.5	79.1	83.0
Papua New Guinea	13.0	16.0	18.0	15.7	14.4	17.3	19.4	20.0
South Africa	10.0	15.3	5.5	1.2	2.1	3.5	5.3	9.0
United Arab Emirates	18.2	24.2	27.4	31.6	29.9	27.0	32.8	47.1
United States	103.2	150.2	219.9	218.2	257.5	259.9	324.2	319.0
Other	96.3	137.0	165.7	169.5	159.8	184.7	233.1	229.4
Total	318.0	447.7	579.1	566.2	602.9	639.3	777.8	793.2
Live sheep c								
Middle East	177	204	349	395	330	223	275	287
Bahrain	15	13	20	25	29	33	35	38
Egypt	6	12	14	9	1	0	0	0
Jordan	35	24	28	39	35	58	53	47
Kuwait	47	61	79	101	105	84	60	64
Oman	17	20	26	24	19	20	25	23
Qatar	13	15	16	21	13	10	12	13
Saudi Arabia	0	27	120	127	104	0	74	88
United Arab Emirates	35	29	34	30	16	13	15	14
Other	3	2	5	7	8	3	4	2
Total	180	206	355	402	338	225	279	289

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 ^a

	1998	1999	2000	2001	2002	2003	2004	2005	2006
	million	million	million	million	million	million	million	million	million
Argentina	13.7	13.6	13.6	13.5	12.4	12.5	12.5	12.5	12.5
Australia	117.5	115.5	118.6	110.9	106.2	99.3	101.3	102.5	92.7
China ^b	121.0	127.4	131.1	133.2	135.9	143.8	155.7	170.9	173.9
France	10.3	10.2	9.6	9.4	9.3	9.3	9.2	9.1	8.9
Greece	9.0	8.9	9.0	9.0	9.2	8.9	9.0	8.8	8.8
India	57.1	57.6	59.6	60.4	61.1	61.8	62.5	62.5	62.9
Iran	53.2	53.9	53.9	53.9	53.9	53.9	54.0	52.2	52.2
Iraq	6.7	6.8	6.8	6.1	6.2	na	na	6.2	6.2
Italy	11.0	10.9	11.0	8.3	8.1	8.0	8.0	8.1	8.0
Morocco	14.8	16.6	17.3	17.2	16.3	16.7	17.0	16.9	16.9
New Zealand	46.0	45.7	42.3	40.0	39.5	39.3	40.0	39.9	40.1
Romania	8.9	8.4	8.1	7.7	7.3	7.3	7.5	7.4	7.6
Russian Federation	16.5	13.4	12.6	12.6	13.0	13.7	14.7	15.5	16.1
South Africa	29.3	28.7	28.6	28.8	28.9	28.8	29.1	25.3	25.0
Spain	24.9	24.2	24.0	24.4	23.8	23.5	24.0	22.7	22.5
Turkey	30.2	29.4	30.3	28.5	27.0	25.2	25.0	25.2	25.3
United Kingdom	31.1	29.7	42.3	36.7	35.8	35.7	35.5	35.3	34.7
United States	7.8	7.2	7.0	7.0	6.6	6.3	6.1	6.1	6.2
Uruguay	16.5	14.4	13.2	12.1	10.8	10.0	9.5	9.7	9.7
Total	1 043.4	1 050.1	1 051.6	1 030.1	1 025.1	1 033.5	1 064.4	1 091.3	1 101.6

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

Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; 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 ^a

	1998	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Argentina	48	45	50	50	50	52	52	52	52
Australia	617	629	714	678	634	543	573	616	669
China ^b	1 239	1 335	1 440	1 540	1 680	1 892	2 240	2 420	2 540
France	135	132	133	134	128	129	102	99	99
Italy	70	70	65	62	58	58	59	59	59
New Zealand	545	518	533	562	521	546	509	520	539
Romania	53	54	49	48	51	62	67	50	54
Russian Federation	156	124	119	114	115	114	125	134	136
Spain	233	221	232	236	237	236	231	235	227
Ukraine	17	15	9	8	8	8	8	8	9
United Kingdom	375	392	383	267	307	306	314	310	331
United States	114	113	106	101	101	92	90	85	84
Uruguay	55	51	51	51	31	27	27	27	19
Total	7 318	7 383	7 591	7 608	7 664	7 847	8 188	8 462	8 633

^a Carcass weight. ^b Excludes Hong Kong.

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.

meat - sheep

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

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Exports								
Australia	257	300	298	281	234	258	293	320
New Zealand	347	357	346	341	378	367	380	389
Imports								
France	167	169	120	139	133	135	135	137
- from Australia	2	3	4	3	2	3	2	2
- from New Zealand	26	28	30	39	33	32	30	30
Germany	41	40	42	40	33	32	38	39
- from Australia	1	1	2	1	1	1	1	1
- from New Zealand	30	32	34	32	27	26	30	31
Saudi Arabia	49	55	45	45	54	52	60	52
- from Australia	21	23	23	26	24	20	26	26
- from New Zealand	14	19	13	11	15	13	14	13
United Kingdom	113	109	93	102	111	116	110	114
- from Australia	13	12	9	12	12	13	13	14
- from New Zealand	88	85	71	77	81	82	79	83
United States	47	55	61	67	69	74	75	79
- from Australia	32	39	44	46	43	47	54	59
- from New Zealand	15	15	17	21	26	27	21	20

^a Shipped weight.

Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; United Nations Commodity Trade Statistics Database.

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Mutton								
Canada	0.3	0.2	0.3	0.3	0.4	0.7	0.9	2.0
European Union b	27.5	31.4	28.2	31.7	26.0	28.8	26.8	26.6
Japan	2.0	2.5	1.6	1.8	1.7	1.3	1.5	0.6
Korea, Rep. of	1.7	0.0	0.0	5.0	0.1	0.1	0.0	0.1
Papua New Guinea	1.2	1.2	1.4	1.6	0.9	1.7	1.1	1.9
Russian Federation	0.0	0.1	0.1	6.1	0.2	0.5	0.8	1.2
United States	0.8	0.4	1.0	1.2	3.2	1.1	0.9	1.2
Other	17.0	22.3	19.8	9.9	23.1	24.3	24.9	35.7
Total	50.5	58.1	52.4	57.5	58.4	60.4	56.9	69.3
Lamb								
Canada	6.7	9.0	9.5	10.7	9.7	9.0	9.1	10.7
Germany	23.0	26.7	23.9	26.9	20.5	21.5	23.0	22.3
Japan	7.9	8.6	7.9	8.9	11.3	11.0	13.1	6.3
Korea, Rep. of	0.6	0.5	0.5	0.6	1.1	1.2	0.7	0.9
Jordan	9.5	6.3	5.1	5.7	3.2	1.5	1.3	2.5
Papua New Guinea	12.6	9.8	4.9	5.5	7.5	7.6	7.9	8.4
Saudi Arabia	19.3	15.7	11.4	12.8	13.0	13.6	12.4	20.6
United Kingdom	70.6	66.4	61.5	69.3	69.8	68.3	75.4	77.6
United States	17.0	16.5	20.5	23.0	25.0	19.4	19.7	20.9
Other	130.1	138.9	144.0	132.9	131.9	147.0	148.8	160.7
Total	297.3	298.5	289.2	296.2	293.2	300.0	311.5	330.8

^a For October–September year. Shipped weight. ^b Regarded as twelve countries to 2002-03, then twenty five countries from 2003-04.
Source: Meat and Wool New Zealand, *Annual Report*, Wellington.

183 Summary of Australian statistics for oilseeds ^a

	Area '000 ha	Yield t/ha	Production kt	Exports ^b kt	Domestic use ^c kt
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	590
1990-91	599	1.74	1 040	187	852
1991-92	638	1.78	1 136	231	905
1992-93	541	1.60	864	241	623
1993-94	708	1.49	1 055	288	768
1994-95	807	1.14	920	253	667
1995-96	861	1.56	1 342	523	818
1996-97	1 048	1.69	1 776	523	1 253
1997-98	1 300	1.52	1 980	909	1 071
1998-99	2 123	1.47	3 113	1 708	1 405
1999-00	2 666	1.45	3 867	2 449	1 419
2000-01	2 144	1.45	3 098	2 194	904
2001-02	1 881	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	1 235	1 165
2004-05	1 839	1.44	2 641	1 261	1 379
2005-06	1 496	1.68	2 517	1 107	1 410
2006-07	1 181	0.87	1 026	354	671

^a Oilseeds are comprised of canola, cottonseed, linseed, peanuts, safflowerseed, soybeans and sunflowerseed. ^b Seed only. On a financial year basis.

^c Includes any imports of seed, stocks carried over to the next season, feed and seed use, and any processing, of which some may be exported.

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

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
Canola								
Area								
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	180.0	188.0	0.0	458.0	150.0	1.0	979.0
2006-07	'000 ha	180.0	213.0	0.0	400.0	150.0	1.0	944.0
Yield								
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	na	1.1	1.1	1.0	1.1
2005-06	t/ha	1.6	1.4	0.0	1.4	1.5	1.0	1.5
2006-07	t/ha	0.2	0.2	0.0	0.9	0.5	0.6	0.5
Production								
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	296.0	269.0	0.0	650.0	219.0	1.0	1 436.0
2006-07	kt	30.0	42.0	0.0	365.0	75.0	0.6	512.6
Cottonseed								
Area								
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
2006-07	'000 ha	108.7	0.0	34.9	0.0	0.0	0.0	143.6
Yield								
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
2006-07	t/ha	2.9	0.0	2.2	0.0	0.0	0.0	2.7
Production								
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
2006-07	kt	311.1	0.0	76.7	0.0	0.0	0.0	387.8

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
Sunflowerseed								
Area								
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
2006-07	'000 ha	12.9	0.0	4.1	0.0	0.0	0.0	17.0
Yield								
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
2006-07	t/ha	1.2	0.0	0.7	0.0	0.0	0.0	1.1
Production								
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
2006-07	kt	15.0	0.0	3.0	0.0	0.0	0.0	18.0
Peanuts								
Area								
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	0.2	0.0	14.0	0.0	0.0	0.0	14.0
2005-06	'000 ha	0.8	0.0	23.4	0.0	0.0	0.0	24.5
2006-07	'000 ha	0.7	0.0	19.1	0.0	0.0	0.0	20.0
Yield								
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	4.6	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
2006-07	t/ha	2.5	0.0	2.4	0.0	0.0	0.0	2.4
Production								
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
2006-07	kt	1.6	0.0	45.4	0.0	0.0	0.0	48.0

Continued

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia
Safflowerseed								
Area								
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
2006-07	'000 ha	15.1	12.8	2.0	0.4	4.7	0.0	35.0
Yield								
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
2006-07	t/ha	0.8	0.6	0.4	0.0	0.8	0.0	0.6
Production								
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
2006-07	kt	12.3	7.8	0.8	0.0	3.6	0.0	20.0
Soybeans								
Area								
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
2006-07	'000 ha	8.5	0.0	5.1	0.0	0.0	0.0	13.6
Yield								
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
2006-07	t/ha	2.4	0.0	2.2	0.0	0.0	0.0	2.4
Production								
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
2006-07	kt	20.8	0.0	11.1	0.0	0.0	0.0	31.9

Continued

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

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^a
Total oilseeds								
Area								
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	662.4	301.9	199.6	428.5	236.0	1.0	1 839.1
2005-06	'000 ha	505.3	205.3	158.5	458.5	155.9	1.0	1 496.0
2006-07	'000 ha	325.8	226.5	65.1	400.4	154.7	1.0	1 181.1
Yield								
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	2.0	1.4	2.1	1.4	1.4	1.0	1.7
2006-07	t/ha	1.2	0.2	2.1	0.9	0.5	0.6	0.9
Production								
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	1 015.5	278.9	336.3	650.0	223.2	1.0	2 516.6
2006-07	kt	390.9	49.8	137.0	365.0	78.6	0.6	1 025.9

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

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

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Oilseeds								
Canola	1 893.20	1 479.14	1 303.09	612.30	1 048.82	1 018.56	884.27	237.60
Cottonseed	534.11	662.63	593.65	258.57	166.57	214.35	204.44	104.08
Linseed	0.10	0.01	0.03	0.03	0.02	0.21	0.16	0.02
Peanuts	3.97	2.90	5.16	3.61	10.25	12.42	2.55	3.80
Safflowerseed	6.93	13.62	10.36	2.77	3.62	5.63	7.76	3.05
Soybeans	2.65	11.26	5.42	7.22	4.54	6.88	4.08	3.36
Sunflowerseed	7.66	24.81	1.98	2.25	1.39	3.17	3.46	2.52
Total a	2 448.61	2 194.37	1 919.68	886.75	1 235.20	1 261.23	1 106.72	354.43
(value, \$m)	790.95	710.27	740.81	391.66	541.23	484.44	404.46	161.42
Oils								
Canola	39.01	28.05	31.31	31.38	46.91	47.19	34.42	28.33
Cottonseed	0.31	0.65	2.59	2.08	1.99	2.19	2.77	4.66
Linseed	0.01	0.00	0.30	0.01	0.02	0.01	0.10	0.01
Palm	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Peanut	0.09	0.16	0.59	0.12	0.53	0.26	0.19	0.57
Safflowerseed	0.37	0.07	0.13	0.01	0.00	0.02	0.00	0.00
Soybeans	0.29	3.15	2.21	1.45	1.74	0.16	0.57	1.65
Sunflowerseed	5.41	6.34	4.73	4.26	1.06	3.52	7.76	5.58
Olive	0.31	0.35	0.38	0.21	0.39	0.68	2.52	2.75
Total	47.99	41.97	50.15	51.57	62.64	63.06	61.03	59.71
(value, \$m)	41.33	40.61	55.38	63.22	67.08	73.05	81.11	90.35
Oilseed meals								
Canola	0.54	1.73	0.02	0.00	0.01	0.01	0.02	0.01
Cottonseed and sunflowerseed	46.83	59.71	31.92	9.15	10.15	6.79	11.99	9.04
Linseed	0.02	0.00	0.74	0.19	0.00	0.01	0.00	0.00
Soybeans	2.23	3.95	5.70	5.18	4.66	10.30	3.79	3.97
Other b	68.64	8.33	1.82	1.39	1.18	5.83	5.55	6.67
Total	118.26	73.71	40.20	15.91	15.99	22.94	21.36	19.70
(value, \$m)	220.50	560.84	31.10	11.42	17.93	37.26	28.46	26.02

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.

oilseeds

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Oilseeds								
Canola								
Bangladesh	99.36	148.22	151.75	70.12	100.57	67.95	41.30	15.23
China	1 212.02	294.81	335.77	50.08	2.19	39.62	0.00	3.23
Japan	369.96	375.94	395.43	444.40	545.84	495.23	370.27	190.47
Pakistan	56.69	224.32	306.66	38.50	284.28	387.24	97.46	25.00
Other	155.16	435.84	113.48	9.20	115.94	28.53	375.24	3.67
Total ^a	1 893.20	1 479.14	1 303.09	612.30	1 048.82	1 018.56	884.27	237.60
Cottonseed								
Chinese Taipei	3.35	2.45	1.47	0.57	0.42	0.61	0.87	0.49
Japan	176.06	152.57	164.48	133.41	134.12	144.67	162.72	86.39
Korea, Rep. of	86.40	99.44	88.47	22.72	28.42	56.04	39.64	16.21
Saudi Arabia	2.27	17.00	8.50	0.00	0.00	10.58	0.00	0.00
United States	221.20	386.54	327.68	98.81	1.34	1.00	0.00	0.00
Other	44.82	4.64	3.05	3.05	2.26	1.47	1.20	1.00
Total ^a	534.11	662.63	593.65	258.57	166.57	214.35	204.44	104.08
Canola oil								
China	0.00	0.00	5.03	5.30	12.58	0.26	0.29	0.28
Japan	5.18	13.84	9.66	10.00	10.02	18.42	9.34	3.10
New Zealand	10.26	9.67	14.51	13.11	12.29	14.19	15.73	15.49
Other	23.57	4.54	2.11	2.96	12.02	14.33	9.07	9.47
Total	39.01	28.05	31.31	31.38	46.91	47.19	34.42	28.33
Cottonseed and sunflowerseed meal								
Korea, Rep. of	43.65	55.62	25.99	6.32	8.16	4.64	9.93	7.26
New Zealand	0.03	0.28	2.15	1.24	0.25	0.43	0.31	0.51
Other	3.14	3.81	3.77	1.59	1.74	1.72	1.75	1.28
Total	46.83	59.71	31.92	9.15	10.15	6.79	11.99	9.04

^a 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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Oilseeds								
Canola	0.14	0.09	0.09	0.21	0.23	0.11	0.14	57.27
Copra	0.01	0.00	0.01	0.01	0.00	0.12	0.11	0.57
Linseed	0.14	1.23	1.04	0.56	1.45	1.22	0.00	2.77
Peanuts	3.70	7.41	5.77	28.38	16.42	7.43	4.95	17.20
Soybeans	18.13	0.09	0.31	43.82	39.60	0.62	0.72	10.39
Sunflowerseed	0.76	0.77	0.80	0.73	1.07	1.85	1.84	25.16
Other a	5.89	5.91	6.80	6.51	7.84	7.06	7.03	8.25
Total	28.78	15.50	14.81	80.22	66.62	18.41	14.78	121.60
(value, \$m)	22.54	23.44	20.80	61.45	50.05	26.69	20.94	79.21
Oils								
Canola	3.71	3.52	3.62	4.31	8.45	9.99	28.96	13.29
Cottonseed	0.23	0.42	0.64	0.71	6.91	3.16	2.14	11.79
Linseed	2.68	2.67	2.43	1.90	3.09	3.93	2.08	3.56
Maize	1.65	1.79	2.04	1.90	2.92	3.41	3.29	2.49
Peanut	0.53	1.11	0.35	1.46	2.87	0.94	1.21	0.36
Safflowerseed and sunflowerseed	8.69	12.58	16.64	24.86	31.19	29.71	24.81	36.61
Soybean	8.01	7.88	10.90	10.67	12.58	15.46	12.59	38.12
Castor	1.97	1.15	1.41	1.47	1.40	1.34	1.28	264.79
Coconut	13.40	14.36	12.18	15.23	14.16	11.77	10.56	12.63
Olive	22.53	30.75	24.69	32.75	29.41	29.76	30.81	40.97
Palm	86.16	84.60	82.98	90.48	87.14	86.70	104.07	112.12
Palm kernel	8.47	8.23	11.95	10.33	13.13	12.49	15.12	11.28
Palm olein	79.56	77.24	74.63	82.50	78.66	76.18	83.48	88.99
Palm stearin	25.84	23.40	29.54	22.08	25.94	21.34	20.78	20.65
Tung	33.64	15.20	0.19	0.31	0.25	0.32	0.27	0.29
Other b	43.14	51.77	35.58	217.74	73.36	34.87	38.83	242.35
Total oils	340.19	336.67	309.75	518.70	391.46	341.34	380.26	900.28
(value, \$m)	334.40	329.65	325.16	413.77	412.68	425.30	466.02	581.47
Oilseed meals								
Soybeans	211.86	204.71	258.76	373.66	312.15	377.16	329.64	617.85
Other c	43.14	51.77	35.58	217.74	73.36	34.87	38.83	242.35
Total	255.00	256.49	294.35	591.41	385.50	412.02	368.47	860.20
(value, \$m)	72.29	89.50	108.78	154.25	125.07	113.64	108.03	202.07

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.

oilseeds

188 Summary of world statistics for oilseeds ^a

	Area	Production	Use ^b	Closing stocks		Stocks to use ratio	Exports	Use per person	Price ^d
				World	Exporters ^c				
	million ha	Mt	Mt	Mt	Mt	%	Mt	kg	US\$/t
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	46.7	304.4
1996-97	170.2	261.6	263.8	20.8	14.5	7.9	46.1	46.2	304.2
1997-98	177.5	287.0	275.3	31.0	23.4	11.3	49.5	47.6	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	59.9	50.7	209.8
2000-01	188.6	314.6	312.5	38.7	28.1	12.4	67.0	51.9	200.9
2001-02	188.6	324.9	323.6	41.9	33.3	12.9	62.0	53.0	201.0
2002-03	186.5	330.2	325.7	47.4	38.3	14.6	69.8	52.7	244.8
2003-04	199.4	335.2	336.3	43.4	35.6	12.9	67.2	52.8	320.6
2004-05	206.2	381.3	366.4	56.8	44.0	15.5	74.3	57.9	274.5
2005-06	211.1	391.1	382.7	64.3	50.6	16.8	76.1	59.7	260.9
2006-07	212.1	405.7	395.3	71.7	61.2	18.1	82.7	61.2	326.1

^a October–September years, except where otherwise noted. Oilseeds comprise canola, copra, cottonseed, palm kernels, peanuts, soybeans and sunflowerseed. ^b Consumption, includes losses etc. ^c 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. ^d US soybeans, cif Rotterdam, marketing year October–September. **na** Not available.

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

189 World oilseeds production, by country ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Africa								
South Africa	912	1 143	1 309	870	1 041	1 020	1 067	602
Americas								
Argentina	28 025	32 404	34 461	39 616	36 840	43 425	45 030	51 560
Brazil	36 079	41 341	45 012	53 712	53 576	55 683	57 076	62 009
Canada	11 696	10 027	6 756	6 671	9 184	10 830	12 910	12 610
Paraguay	3 114	3 702	3 666	4 643	4 144	4 265	4 232	6 781
United States	82 315	84 891	89 832	83 935	76 599	95 938	95 532	96 617
Asia								
China	45 726	51 132	52 194	52 676	50 847	57 974	55 937	58 150
India	23 022	21 563	24 787	20 187	29 682	29 392	30 664	29 916
Indonesia	5 766	5 873	5 926	6 131	6 623	7 238	7 580	7 918
Malaysia	3 096	3 427	3 342	3 610	3 595	4 073	4 092	4 105
Pakistan	4 396	4 110	3 994	3 759	3 755	5 530	5 007	5 253
Philippines	2 392	2 844	2 193	2 244	2 346	2 496	2 646	2 247
Turkey	2 195	1 863	1 904	2 361	2 062	2 105	1 980	2 274
Turkmenistan	420	329	339	275	370	360	380	470
Uzbekistan	2 250	1 920	2 150	2 000	1 800	2 250	2 400	2 350
Europe								
European Union ^b	20 508	17 217	17 406	16 905	16 439	21 061	20 779	24 364
Romania	1 591	863	912	1 187	1 741	1 620	1 641	1 861
Russian Federation	4 619	4 405	3 160	4 223	5 435	5 631	7 442	8 015
Ukraine	2 987	3 653	2 460	3 456	4 535	3 562	5 595	6 790
Oceania								
Australia	3 867	3 098	2 982	1 523	2 400	2 641	2 517	1 026
Other countries	19 624	18 795	20 118	20 209	22 210	24 217	26 562	20 732
Total	304 600	314 600	324 903	330 193	335 224	381 311	391 069	405 650

^a Oilseeds comprise soybeans, cottonseed, peanuts, sunflowerseed, canola, palm kernels and copra. ^b Regarded as twenty seven countries.

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.

oilseeds

190 World oilseeds production, by type

	Castor- seed kt	Copra kt	Cotton- seed kt	Linseed kt	Palm kernels kt	Peanuts kt	Rape- seed ^a kt	Sesame seed kt	Soybeans kt	Sunflower- seed kt
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	32 982	2 868	6 418	29 417	42 494	2 704	160 409	27 178
2000-01	1 353	5 767	33 509	2 359	7 038	31 426	37 347	2 870	175 771	23 778
2001-02	1 043	5 213	36 416	2 159	7 190	33 817	36 023	3 236	184 831	21 413
2002-03	1 043	5 117	32 746	2 090	7 764	30 868	32 972	3 025	196 789	23 957
2003-04	1 107	5 383	35 766	2 261	8 434	32 791	39 428	3 239	186 531	26 891
2004-05	1 359	5 592	45 359	2 020	9 506	33 558	46 158	3 439	215 721	25 417
2005-06	1 440	5 500	43 167	2 936	9 979	33 025	48 732	3 479	220 556	30 100
2006-07	1 250	5 276	44 813	2 593	10 267	32 361	46 721	3 445	236 045	30 167

^a Predominantly canola since the late 1980s.

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

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Canola	8.20	6.99	4.95	4.03	5.15	5.01	6.67	6.80
China	3.68	2.36	0.78	0.05	0.42	0.32	0.68	0.75
European Union b	0.09	0.52	0.17	0.06	0.17	0.01	0.38	0.48
Japan	2.23	2.18	2.08	2.11	2.28	2.23	2.28	2.20
Copra	0.23	0.13	0.09	0.07	0.07	0.13	0.08	0.09
European Union b	0.10	0.06	0.04	0.02	0.04	0.04	0.03	0.03
Linseed	0.71	0.76	0.79	0.78	2.22	1.70	2.58	2.56
European Union c	0.42	0.59	0.62	0.60	0.13	0.13	0.19	0.15
Japan	0.06	0.05	0.05	0.02	0.02	0.02	0.02	0.02
Soybeans	45.57	53.05	54.39	62.88	54.06	63.62	64.14	68.16
China	10.10	13.25	10.39	21.42	16.93	25.80	28.32	28.75
European Union b	14.12	17.60	18.68	16.94	14.68	14.54	13.95	15.00
Japan	4.91	4.77	5.02	5.09	4.69	4.30	3.95	4.10
Mexico	4.04	4.38	4.51	4.23	3.80	3.64	3.67	3.93
Sunflowerseed	2.06	2.23	1.10	1.39	2.16	1.13	1.21	1.68
European Union b	1.42	1.70	0.76	0.71	1.07	0.41	0.63	0.66
Israel	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Mexico	0.01	0.03	0.01	0.10	0.04	0.01	0.02	0.02
Turkey	0.44	0.32	0.17	0.23	0.66	0.53	0.35	0.43
Other oilseeds d	2.22	2.33	2.33	1.86	0.47	1.19	0.60	0.44
Total	58.99	65.49	63.65	71.00	64.13	72.78	75.28	79.73
Exports								
Canola	8.21	7.18	4.90	4.13	5.48	4.87	4.97	6.87
Australia	1.89	1.48	1.30	0.61	1.05	1.02	0.88	0.24
Canada	3.90	4.84	2.67	2.42	3.76	3.49	5.41	5.48
Copra	0.22	0.12	0.12	0.01	0.08	0.15	0.11	0.09
Papua New Guinea	0.09	0.02	0.03	0.02	0.02	0.03	0.01	0.13
Philippines	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00
Linseed	0.72	0.79	0.76	0.79	0.82	0.65	0.79	0.92
Canada	0.67	0.72	0.69	0.64	0.71	0.51	0.65	0.79
Soybeans	45.62	53.76	52.90	60.98	56.19	64.74	63.97	70.35
Argentina	4.13	7.30	5.96	8.62	6.74	9.57	7.25	7.70
Brazil	11.10	15.47	14.50	19.63	20.42	20.14	25.91	24.10
United States	26.54	27.10	28.95	28.42	24.13	29.86	25.80	30.35
Sunflowerseed	2.74	2.72	0.91	1.66	2.44	1.16	1.54	1.88
Argentina	0.92	0.28	0.08	0.36	0.21	0.05	0.11	0.05
Ukraine	0.45	1.02	0.10	0.33	0.93	0.01	0.22	0.34
United States	0.21	0.20	0.24	0.17	0.17	0.14	0.18	0.19
Other oilseeds d	2.38	2.46	2.39	2.19	2.16	2.77	4.77	2.58
Total	59.89	67.03	61.97	69.76	67.17	74.34	76.15	82.69

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

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

192

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Copra meal	0.85	1.16	0.79	0.81	0.68	0.73	0.69	0.55
European Union b	0.49	0.66	0.40	0.28	0.14	0.08	0.05	0.02
Korea, Rep. of	0.31	0.43	0.35	0.37	0.40	0.43	0.45	0.35
Fish meal	3.70	3.48	3.25	2.84	3.11	3.63	2.91	2.73
China	1.19	0.90	0.96	0.80	1.13	1.58	0.98	1.00
Chinese Taipei	0.30	0.29	0.24	0.24	0.24	0.23	0.21	0.20
European Union b	0.90	0.79	0.77	0.76	0.60	0.65	0.56	0.40
Peanut meal	0.23	0.22	0.28	0.10	0.26	0.11	0.21	0.20
European Union b	0.17	0.18	0.13	0.06	0.03	0.00	0.03	0.05
Thailand	0.04	0.02	0.08	0.02	0.03	0.04	0.02	0.02
Soybean meal	35.01	36.06	40.48	42.54	45.02	45.94	50.64	51.98
European Union b	17.96	17.71	19.96	20.55	22.01	21.91	22.82	22.60
Indonesia	1.14	1.62	1.25	1.64	1.67	1.85	2.07	2.30
Korea, Rep. of	1.09	1.41	1.50	1.53	1.31	1.46	1.77	1.85
Philippines	0.99	1.16	1.51	1.45	1.16	1.38	1.29	1.49
Other meals c	7.53	7.32	6.66	7.32	8.65	8.84	9.51	9.97
Total	47.32	48.24	51.46	53.61	57.72	59.25	63.95	65.42
Exports								
Fish meal	3.67	3.47	3.06	2.87	3.21	3.54	2.73	2.55
European Union b	0.21	0.19	0.21	0.16	0.16	0.23	0.20	0.18
South America	2.83	2.63	2.05	2.02	2.32	2.65	1.93	1.73
Peanut meal	0.26	0.27	0.30	0.11	0.32	0.18	0.26	0.18
India	0.01	0.02	0.09	0.00	0.25	0.11	0.16	0.07
Senegal	0.13	0.13	0.09	0.04	0.02	0.00	0.03	0.03
Sudan	0.07	0.02	0.02	0.00	0.01	0.01	0.01	0.01
Soybean meal	34.12	36.23	41.67	42.71	45.56	46.61	51.42	52.99
Argentina	13.31	13.73	16.59	18.47	19.22	20.65	24.20	25.20
Brazil	9.95	10.67	11.86	13.66	14.79	14.26	12.90	12.66
European Union b	0.18	0.25	0.33	0.34	0.39	0.53	0.70	0.62
United States	6.91	7.34	7.27	5.73	4.69	6.66	7.30	7.80
Other meals d	9.17	9.20	7.53	8.17	9.68	9.51	11.00	11.35
Total	47.22	49.17	52.55	53.86	58.77	59.84	65.41	67.07

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

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

193

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Canola oil	1.73	1.22	1.11	0.89	1.36	1.20	1.47	2.16
European Union b	0.00	0.00	0.00	0.01	0.03	0.03	0.32	0.75
India	0.15	0.04	0.01	0.00	0.00	0.00	0.00	0.00
Coconut oil	1.48	1.77	1.84	1.87	1.67	1.87	1.97	1.73
European Union b	0.71	0.81	0.78	0.81	0.68	0.77	0.76	0.69
United States	0.42	0.51	0.50	0.39	0.36	0.42	0.51	0.43
Palm oil	13.06	16.25	17.02	19.70	21.42	24.14	25.73	26.25
European Union b	2.07	2.85	2.98	3.01	3.37	4.03	4.12	4.30
India	3.30	4.00	3.40	3.95	3.49	3.73	3.00	3.80
Pakistan	1.04	1.30	1.25	1.37	1.30	1.55	1.80	1.79
Singapore	0.43	0.29	0.27	0.31	0.32	0.31	0.32	0.32
Soybean oil	6.08	7.00	7.75	8.25	8.33	8.91	8.93	9.93
China	0.68	0.36	0.55	1.71	2.73	1.73	1.52	2.25
European Union b	0.08	0.03	0.06	0.03	0.09	0.18	0.71	0.93
India	0.79	1.40	1.48	1.20	0.91	2.03	1.68	1.50
Russian Federation	0.23	0.46	0.59	0.18	0.98	0.09	0.05	0.02
Sunflowerseed oil	2.49	2.01	1.76	2.00	1.92	2.14	3.13	3.64
European Union b	0.16	0.26	0.68	0.73	0.52	0.86	1.24	1.33
Other vegetable oils c	1.72	1.97	2.03	2.29	2.41	2.43	2.55	2.86
Total	26.56	30.22	31.51	35.00	37.11	40.68	43.77	46.57
Exports								
Canola oil	1.73	1.16	1.01	0.90	1.31	1.29	1.71	1.88
Canada	0.77	0.74	0.54	0.53	0.93	0.97	1.09	1.15
European Union b	0.71	0.21	0.28	0.25	0.14	0.10	0.09	0.05
Coconut oil	1.97	1.84	1.79	1.74	1.79	2.04	2.05	1.74
Philippines	1.15	1.20	1.07	1.07	1.06	1.00	1.20	0.90
Cottonseed oil	0.17	0.19	0.18	0.14	0.14	0.12	0.11	0.15
United States	0.06	0.06	0.07	0.05	0.05	0.03	0.03	0.06
Palm oil	14.03	16.51	17.68	19.64	21.67	24.60	26.21	26.76
Indonesia	3.87	4.78	5.98	6.42	7.86	9.62	11.14	11.60
Malaysia	8.85	10.48	10.50	11.65	11.60	12.63	12.78	12.90
Soybean oil	6.22	7.04	8.33	9.03	8.63	9.12	9.82	10.14
Argentina	2.84	3.08	3.63	3.92	4.24	4.76	5.60	5.70
Brazil	1.14	1.53	1.78	2.39	2.72	2.41	2.47	2.37
European Union b	0.95	0.89	0.89	0.71	0.56	0.53	0.27	0.23
United States	0.62	0.64	1.14	1.03	0.43	0.60	0.52	0.84
Sunflowerseed oil	3.21	2.76	1.77	2.51	2.56	2.38	3.50	4.22
Argentina	1.85	1.54	1.00	1.16	0.90	1.01	1.18	1.22
European Union b	0.30	0.16	0.09	0.15	0.23	0.15	0.13	0.13
Other vegetable oils c	1.72	1.95	2.15	2.08	2.69	2.73	3.08	3.13
Total	29.05	31.45	32.91	36.03	38.79	42.28	46.48	48.01

a Imports may not equal exports in any given period, as a result of lags in shipping time. **b** Regarded as twenty seven countries; excludes intra-EU trade.

c Olive, palm kernel and peanut.

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

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

	Canola ^b	Palm oil ^c	Soybeans ^d	Soybean meal ^e	Soybean oil ^f
	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	260.9	203.0	573.0
2006-07	375.0	654.0	335.0	264.0	771.0

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

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

195 Summary of Australian statistics for pulses

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Lupins									
Area	'000 ha	1 365.0	1 180.0	1 139.0	1 024.5	851.0	845.0	832.0	499.9
Yield	t/ha	1.5	0.9	1.1	0.7	1.4	1.1	1.6	0.3
Production	kt	1 990.0	1 055.0	1 215.0	725.5	1 180.0	937.0	1 328.0	173.8
Exports a	kt	1 439.3	714.4	414.2	207.5	645.6	418.5	469.5	187.2
Value of exports	\$m	234.9	165.9	108.9	57.3	147.7	88.8	99.4	40.1
Average unit value	\$/t	143.8	205.3	250.0	291.5	235.7	205.9	199.4	351.6
Gross value of production	\$m	286.1	216.6	303.8	211.5	278.1	192.9	264.8	61.1
Field peas									
Area	'000 ha	320.7	397.0	337.0	380.0	354.0	413.0	280.0	342.1
Yield	t/ha	1.1	1.1	1.5	0.5	1.4	0.7	1.7	0.4
Production	kt	357.3	456.0	512.0	178.0	487.0	289.0	478.0	148.8
Exports ab	kt	307.3	387.0	459.1	107.6	209.3	116.1	156.1	247.7
Value of exports b	\$m	89.8	111.7	156.9	43.0	55.6	33.4	43.2	80.1
Average unit value	\$/t	297.1	218.6	287.8	343.8	231.6	234.6	275.9	323.7
Gross value of production	\$m	106.1	99.7	147.3	61.2	112.8	67.8	131.9	48.2
Chickpeas									
Area	'000 ha	204.5	261.5	195.0	201.0	151.5	113.3	105.3	244.1
Yield	t/ha	0.9	0.6	1.3	0.7	1.2	1.0	1.2	1.0
Production	kt	186.7	162.4	258.0	136.0	178.0	115.6	122.8	232.4
Exports a	kt	217.7	217.9	278.3	88.5	163.8	151.2	211.4	244.1
Value of exports	\$m	100.9	112.6	167.0	52.4	70.6	65.3	106.4	168.2
Average unit value	\$/t	418.1	463.1	504.5	477.8	326.7	310.3	460.6	658.7
Gross value of production	\$m	78.1	75.2	130.2	65.0	58.2	35.9	56.6	153.1
Total legumes c									
Area	'000 ha	2 200.5	2 286.8	2 086.0	2 034.3	1 700.1	1 764.0	1 587.8	1 460.7
Yield	t/ha	1.3	1.0	1.3	0.6	1.4	1.0	1.6	0.5
Production	kt	2 897.3	2 241.3	2 674.0	1 295.7	2 396.1	1 683.3	2 555.4	770.4
Exports ad	kt	2 750.7	2 475.2	2 134.7	947.6	2 041.7	1 328.7	1 706.9	1 156.4
Value of exports ad	\$m	677.1	802.1	837.1	348.2	588.0	397.1	533.0	484.1
Average unit value	\$/t	212.6	260.0	301.2	304.9	239.1	234.2	236.9	447.6
Gross value of production	\$m	615.9	582.8	805.5	395.0	572.8	394.2	605.4	344.8

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
Lupins							
Area							
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	36.0	28.0	0.0	694.0	74.0	832.0
2006-07	'000 ha	54.7	30.0	0.0	350.2	65.0	499.9
Yield							
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	1.72	1.32	0.00	1.59	1.69	1.60
2006-07	t/ha	0.25	0.17	0.00	0.36	0.46	0.35
Production							
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	62.0	37.0	0.0	1 104.0	125.0	1 328.0
2006-07	kt	13.7	5.0	0.0	125.1	30.0	173.8
Field peas							
Area							
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
2006-07	'000 ha	57.1	90.0	0.0	60.0	135.0	342.1
Yield							
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
2006-07	t/ha	0.15	0.11	0.00	0.83	0.59	0.43
Production							
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
2006-07	kt	8.8	10.0	0.0	50.0	80.0	148.8

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
Chickpeas							
Area							
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
2006-07	'000 ha	156.7	39.0	41.0	2.4	5.0	244.1
Yield							
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
2006-07	t/ha	1.12	0.26	1.05	0.38	0.52	0.95
Production							
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
2006-07	kt	175.9	10.0	43.0	0.9	2.6	232.4
Faba beans							
Area							
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
2006-07	'000 ha	35.1	40.0	0.0	4.0	74.0	153.1
Yield							
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
2006-07	t/ha	1.71	0.25	0.00	0.63	0.47	0.70
Production							
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
2006-07	kt	60.0	10.0	0.0	2.5	35.0	107.5

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
Mung beans							
Area							
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
2006-07	'000 ha	18.9	0.2	27.2	0.0	0.0	40.0
Yield							
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
2006-07	t/ha	0.99	0.00	1.00	0.00	0.00	0.85
Production							
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
2006-07	kt	18.7	0.0	27.1	0.0	0.0	34.0
Total pulses ^b							
Area							
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	177.0	211.7	61.8	776.0	361.3	1 587.8
2006-07	'000 ha	325.3	286.9	68.2	419.9	366.8	1 460.7
Yield							
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	1.68	1.61	0.96	1.56	1.80	1.61
2006-07	t/ha	0.86	0.19	1.03	0.43	0.54	0.53
Production							
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	297.1	341.0	59.5	1 209.0	648.8	2 555.4
2006-07	kt	278.5	54.5	70.1	182.2	196.9	770.4

^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

	1999	2000	2001	2002	2003	2004	2005	2006
	kt	kt	kt	kt	kt	kt	kt	kt
Africa								
Burundi	262	219	284	280	280	256	255	255
Egypt	379	425	516	492	426	413	367	400
Ethiopia	778	996	1 160	1 088	983	1 318	1 335	1 265
Nigeria	2 158	2 200	2 222	2 361	2 509	2 681	2 865	3 091
Uganda	561	585	668	695	693	626	652	602
Americas								
Brazil	2 841	3 058	2 466	3 082	3 318	2 985	3 033	3 448
Canada	3 454	4 443	3 366	2 292	3 065	4 580	4 810	4 072
Mexico	1 364	1 230	1 495	1 893	1 689	1 391	1 457	1 663
United States	1 880	1 550	1 224	1 706	1 425	1 555	2 167	1 953
Asia								
China	4 717	4 709	5 139	5 930	5 967	4 943	4 793	5 557
India	15 155	13 636	12 267	13 036	13 207	14 686	13 751	14 264
Myanmar	1 545	1 665	2 044	2 344	2 410	2 571	2 571	2 571
Pakistan	1 089	935	771	717	1 066	956	1 171	803
Thailand	301	282	294	274	295	215	192	193
Europe								
Denmark	192	138	113	150	125	96	53	32
France	2 715	2 066	1 877	2 035	1 945	2 093	1 754	1 347
Poland	317	264	211	229	238	268	255	233
Russian Federation	856	1 173	1 796	1 797	1 649	1 875	1 630	1 764
Ukraine	632	653	830	810	571	812	757	603
United Kingdom	750	794	957	924	934	866	791	830
Middle East								
Turkey	1 360	1 316	1 455	1 640	1 558	1 589	1 565	1 550
Oceania								
Australia a	2 587	3 118	2 241	2 674	1 296	2 396	1 683	2 555
Total b	57 679	55 350	55 764	57 731	59 410	60 893	60 710	60 194

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.

pulses

198 Volume of world pulses trade, by region and country

	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt
Imports							
Africa							
Algeria	138.1	138.4	154.8	172.5	165.4	148.3	185.5
Egypt	382.9	324.8	416.9	482.6	425.0	538.1	430.7
South Africa	56.6	52.7	46.8	70.2	123.3	70.3	75.7
Americas							
Brazil	128.8	127.6	178.2	127.2	174.2	146.5	176.3
Colombia	129.0	158.7	165.3	145.4	105.2	114.2	129.3
Cuba	247.9	116.6	160.8	161.7	194.9	216.7	203.8
Mexico	146.6	127.0	162.4	143.8	125.0	104.4	129.6
United States	179.8	166.4	223.2	267.0	244.0	262.1	257.1
Venezuela	104.1	124.8	120.9	96.6	86.1	99.2	84.1
Asia							
China	178.2	274.1	237.7	202.7	149.0	229.9	346.5
Hong Kong, China	17.6	14.5	11.7	12.8	12.3	11.1	na
India	538.5	623.1	2 263.5	2 023.3	1 854.6	1 403.4	1 868.5
Japan	499.6	507.0	524.7	538.6	565.4	588.7	590.8
Malaysia	85.4	71.5	81.6	82.6	79.6	84.8	87.9
Singapore	37.7	34.6	47.1	66.2	23.9	22.4	na
Europe							
France	104.0	126.9	130.3	108.0	108.2	95.3	96.7
Germany	186.0	140.4	112.8	92.5	101.8	140.5	73.6
Italy	418.2	429.4	426.0	492.7	508.0	514.8	637.0
Netherlands	571.6	422.0	303.1	260.4	348.3	390.1	428.1
Spain	761.4	771.5	753.7	459.5	552.0	986.3	1 484.7
United Kingdom	167.8	160.1	2 156.7	157.2	168.2	177.2	205.4
Middle East							
United Arab Emirates	50.6	36.9	47.9	140.3	105.9	86.5	na
Total a	8 361.9	8 619.8	10 077.6	9 580.7	9 552.3	9 911.7	11 521.5

Continued

198

Volume of world pulses trade, by region and country continued

	1999 kt	2000 kt	2001 kt	2002 kt	2003 kt	2004 kt	2005 kt
Exports							
Americas							
Argentina	379.8	413.2	471.6	491.8	561.7	552.2	883.8
Canada	1 895.8	2 667.9	2 938.0	1 621.2	1 862.2	2 475.4	3 200.7
Chile	20.8	24.7	26.0	27.3	28.9	27.4	27.6
Mexico	131.1	132.6	170.1	144.7	144.4	101.0	103.3
United States	817.3	738.0	706.1	714.4	678.8	626.8	879.5
Asia							
China	710.8	548.5	706.2	828.4	1 012.4	771.7	860.9
Myanmar	220.8	276.1	919.9	933.7	916.3	728.7	807.8
Singapore	26.5	23.3	37.3	54.7	11.5	11.4	na
Thailand	41.6	51.4	35.8	44.6	38.5	26.2	30.4
Europe							
Denmark	81.2	47.4	49.0	57.8	43.6	46.5	40.7
France	714.1	773.0	663.5	948.4	829.2	755.6	655.5
Hungary	29.2	80.8	13.4	15.8	17.2	19.7	20.8
Netherlands	67.1	76.1	63.2	61.2	56.6	55.3	56.5
United Kingdom	217.5	245.2	207.0	265.7	413.2	361.2	388.3
Middle East							
Turkey	194.4	113.8	181.4	197.7	410.8	307.9	261.4
Oceania							
Australia b	1 475.4	2 750.7	2 475.2	2 134.7	947.6	2 041.7	1 328.7
New Zealand	31.2	25.9	30.5	19.9	23.3	21.8	20.4
Total a	7 798.8	8 548.4	10 036.0	9 466.1	9 516.5	9 833.9	11 473.5

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

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

1999 Summary of Australian statistics for rice ^a

	Area '000 ha	Yield ^b t/ha	Production		Exports		Apparent consumption ^f kt
			Volume ^b kt	Unit value ^c \$/t	Volume ^d kt	Unit value ^e \$/t	
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	99.0	9.8	973.0	262.5	167.5	653.3	160.2
2006-07	16.0	10.4	167.0	411.4	579.4	698.4	153.0

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

200 Australian rice trade and payments to growers

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Exports a									
Quantity	kt	672	602	580	664	216	299	167	579
Total export value b	\$m	414	383	339	428	134	190	109	405
Imports ac									
Quantity	kt	48	50	55	61	80	91	103	107
Total import value	\$m	38	44	43	46	56	59	69	78
Indicator price									
Thai white rice d	US\$/t	230.58	184.17	191.67	199.42	220.33	278.33	301.42	320.17
Exchange rate	US\$/A\$	0.63	0.54	0.52	0.58	0.71	0.75	0.75	0.78
Australian price e	A\$/t	366.21	341.95	365.79	341.23	309.30	370.24	404.38	408.02
Average returns to growers f									
Avg. medium grain return	\$/t	215.0	232.0	193.4	243.7	313.1	279.5	284.1	265.0

a Milled equivalent; marketing year (April-March) basis. Includes ABARE estimates from 2000 as confidentiality restrictions apply. b Free on board (fob).

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

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

201 Summary of world statistics for rice ^a

	Area harvested million ha	Production ^b Mt	Total use Mt	Closing stocks ^{bc} Mt	Stocks to use ratio %	Trade ^d Mt	Export price ^e US\$/t
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 ^f
1973-74	136	228	223	29	13	8	593.51 ^g
1974-75	138	226	226	28	12	7	439.12
1975-76	143	243	232	39	17	8	302.84
1976-77	141	236	237	38	16	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	23	283.75
1999-00	155	409	396	145	37	24	230.58
2000-01	152	399	393	147	37	28	184.17
2001-02	151	399	412	133	32	28	191.67
2002-03	146	378	405	103	26	28	199.42
2003-04	148	392	411	82	20	27	220.33
2004-05	151	401	405	75	18	29	278.33
2005-06	153	418	412	77	19	29	301.42
2006-07	153	418	418	77	18	30	320.17

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

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

202 World rice production, by country or region ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Australia	1.1	1.6	1.2	0.4	0.6	0.3	1.0	0.2
Bangladesh	34.6	37.6	36.5	37.8	39.2	38.4	43.1	43.7
Brazil	11.4	10.2	10.4	10.4	12.8	13.2	11.6	11.3
China	198.5	187.9	177.6	174.5	160.7	179.1	180.6	182.9
European Union ^b	2.7	2.5	2.6	2.7	2.7	2.9	2.7	2.6
India	134.5	127.5	140.0	107.7	132.8	124.7	136.7	139.2
Indonesia	51.9	51.5	51.1	51.8	54.3	54.0	54.2	51.6
Japan	11.5	11.9	11.3	11.1	9.7	10.9	11.3	10.7
Korea, Rep. of	7.1	7.2	7.4	6.7	6.2	6.7	6.4	6.3
Myanmar	17.0	18.6	18.0	18.6	18.5	16.5	18.0	18.3
Pakistan	7.7	7.2	5.8	6.7	7.3	7.5	8.3	7.8
Philippines	12.0	12.5	13.0	13.0	14.2	14.5	15.1	15.5
Thailand	25.0	25.8	26.5	26.1	27.3	26.3	27.6	27.7
United States	9.3	8.7	9.8	9.6	9.1	10.5	10.1	8.8
Viet Nam	31.7	31.0	31.9	32.6	33.5	34.4	34.5	34.4
World	608.2	593.4	594.2	562.4	584.2	596.6	622.7	622.9

^a Crop year (paddy basis). ^b Regarded as twenty seven countries.

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

rice

203 Volume of world rice trade, by country ^a

	1999	2000	2001	2002	2003	2004	2005	2006
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Bangladesh	0.64	0.40	0.31	1.11	0.80	0.79	0.53	0.75
Brazil	0.57	0.67	0.55	1.06	0.76	0.55	0.69	0.80
China	0.28	0.27	0.30	0.26	1.12	0.61	0.65	0.70
European Union ^b	1.19	1.30	1.29	1.04	1.18	1.06	1.08	1.10
India	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Indonesia	1.50	1.50	3.50	2.75	0.65	0.50	0.54	1.90
Iran	1.10	0.77	0.96	0.90	0.95	0.98	1.25	1.20
Iraq	1.27	0.96	1.18	0.67	0.89	0.79	1.31	0.90
Japan	0.66	0.68	0.62	0.65	0.71	0.79	0.68	0.65
Malaysia	0.60	0.63	0.48	0.50	0.70	0.75	0.89	0.80
Nigeria	1.25	1.91	1.90	1.45	1.37	1.78	1.60	1.70
Philippines	0.90	1.18	1.25	1.30	1.10	1.89	1.79	1.80
Russian Federation	0.40	0.25	0.41	0.39	0.35	0.35	0.32	0.18
Saudi Arabia	0.99	1.05	0.94	1.15	1.50	1.36	1.45	0.96
World ^c	22.76	24.45	27.86	27.86	27.58	27.18	29.01	28.89
Exports								
Australia	0.67	0.63	0.57	0.63	0.35	0.28	0.20	0.46
China	2.95	1.85	1.96	2.58	0.88	0.66	1.22	1.22
European Union ^b	0.31	0.27	0.36	0.22	0.19	0.20	0.14	0.15
India	1.45	1.94	6.65	4.42	3.17	4.69	4.54	4.50
Myanmar	0.16	0.67	1.00	0.39	0.13	0.19	0.47	0.10
Pakistan	2.03	2.42	1.60	1.96	1.99	3.03	3.58	3.58
Thailand	6.55	7.52	7.25	7.25	7.55	10.14	7.27	7.38
United States	2.85	2.54	3.30	3.83	3.09	3.86	3.31	3.31
Viet Nam	3.37	3.53	3.25	3.80	4.30	5.17	4.71	4.71
World ^c	22.76	24.45	27.86	27.86	27.58	27.18	29.01	28.89

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

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

204 US rice supply and disposal ^a

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Area harvested	million ha	1.42	1.23	1.34	1.30	1.21	1.35	1.36	1.14
Yield	t/ha	6.58	7.04	7.28	7.36	7.50	7.81	7.45	7.69
Opening stocks ^b	Mt	0.69	0.87	0.89	1.22	0.83	0.76	1.21	1.37
Production ^b	Mt	6.50	5.94	6.71	6.54	6.42	7.46	7.11	6.24
Total supply ^c	Mt	7.52	7.15	8.02	8.22	7.73	8.64	8.87	8.26
Exports	Mt	2.80	2.64	4.30	5.65	4.67	4.93	5.21	4.15
Long grain	Mt	2.24	2.05	3.35	4.51	3.66	3.80	4.17	3.30
Medium-short grain	Mt	0.57	0.59	0.95	1.14	1.01	1.13	1.04	0.85
Domestic and residual use	Mt	3.85	3.68	3.85	3.53	3.66	3.94	3.84	4.05
Total use	Mt	7.52	7.15	8.02	8.22	7.73	8.64	8.87	8.26
Target price ^d	US\$/t	na	na	na	232	232	232	na	na
Statutory loan rate	US\$/t	143	143	143	143	143	143	na	na
Farm price	US\$/t	131	124	94	99	178	162	169	215

^a August-July marketing year. ^b Milled basis. ^c Includes imports. ^d 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 ^a

	Thailand Nominal price quote-US ^b	Arkansas ^c	California ^d
	US\$/t	US\$/t	US\$/t
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
2006-07	320.17	407.42	537.83
2006			
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
September	318.00	406.00	518.00
October	307.00	418.00	529.00
November	302.00	419.00	529.00
December	311.00	423.00	551.00
2007			
January	320.00	420.00	551.00
February	323.00	417.00	551.00
March	327.00	405.00	551.00
April	324.00	400.00	551.00
May	325.00	397.00	551.00
June	331.00	397.00	536.00
July	335.00	392.00	529.00
August	334.00	395.00	535.00

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

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

206 Rice supply and disposal in major exporting countries ^a

	Area harvested million ha	Yield t/ha	Production ^b Mt	Domestic use Mt	Exports ^c Mt	Closing stocks ^d Mt
China						
2001-02	28.81	6.16	177.58	136.50	2.58	79.16
2002-03	28.20	6.19	174.54	135.70	0.88	63.31
2003-04	26.51	6.06	160.66	132.10	0.66	43.92
2004-05	28.38	6.31	179.09	130.30	1.22	38.93
2005-06	28.85	6.26	180.59	128.00	1.22	36.78
2006-07	29.20	6.26	182.86	127.80	1.40	36.28
Viet Nam						
2001-02	7.47	4.27	31.87	17.97	3.25	0.84
2002-03	7.46	4.37	32.62	17.15	3.80	1.17
2003-04	7.47	4.48	33.46	18.23	4.30	1.10
2004-05	7.45	4.62	34.42	17.60	5.17	1.29
2005-06	7.31	4.72	34.50	18.39	4.71	1.32
2006-07	7.35	4.68	34.40	18.50	4.60	1.27
Pakistan						
2001-02	2.12	2.75	5.82	2.54	1.63	0.31
2002-03	2.22	3.03	6.72	2.55	1.99	0.25
2003-04	2.46	2.96	7.27	2.60	1.87	0.64
2004-05	2.52	2.99	7.54	2.55	2.80	0.31
2005-06	2.62	3.18	8.32	1.90	3.66	0.30
2006-07	2.58	3.03	7.80	2.14	3.10	0.26
Thailand						
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	9.54	7.38	3.59
2006-07	10.27	2.69	27.65	9.87	8.60	3.38
United States						
2001-02	1.34	7.28	9.76	3.85	3.83	1.22
2002-03	1.30	7.36	9.57	3.53	3.09	0.83
2003-04	1.21	7.50	9.07	3.66	3.86	0.76
2004-05	1.35	7.81	10.54	3.94	3.31	1.21
2005-06	1.36	7.45	10.13	3.84	3.31	1.37
2006-07	1.14	7.69	8.79	4.05	3.30	1.27
World						
2001-02	150.63	3.94	594.21	412.29	27.86	133.42
2002-03	145.91	3.85	562.44	405.15	27.58	103.49
2003-04	148.17	3.94	584.17	410.53	27.18	82.11
2004-05	150.53	3.96	596.62	405.29	29.01	74.93
2005-06	152.57	4.08	622.69	411.53	28.89	77.45
2006-07	152.99	4.07	622.94	417.72	29.55	77.19

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

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

207

Summary of Australian statistics for sugar

	Area harvested '000 ha	Cane crushed kt	Sugar production ^a kt	No. 1 pool price \$/t	Exports kt
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	407	38 224	5 108	322.2	4 067
2006-07	420	36 000	4 650	368.0	3 740

^a Raw tonnes actual.

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

208 Australian cane and sugar production

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Area harvested for crushing	'000 ha	403	426	448	448	434	406	400
Cane yield	t/ha harvested	69.8	73.8	82.6	82.6	87.1	94.1	88.8
Cane crushed	kt	28 117	31 424	36 995	36 993	37 822	38 224	35 500
Commercial cane sugar	%	13.33	14.09	14.10	13.49	13.90	13.39	13.70
Sugar production ^a	kt	4 162	4 987	5 461	4 994	5 196	5 108	4 722
Sugar yield	t/ha harvested	10.3	11.7	12.2	11.1	12.0	12.6	11.8
Cane to sugar ratio		6.76	6.30	6.77	7.41	7.28	7.48	7.52
Gross value of sugarcane cut for crushing	\$m	657	989	1 019	854	980	1 056	1 016

^a Raw tonnes actual.

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

209 Volume of Australian exports of sugar, by destination

	1999-00 kt	2000-01 kt	2001-02 kt	2002-03 kt	2003-04 kt	2004-05 kt	2005-06 kt	2006-07 ^p kt
Raw sugar in bulk								
Canada	530.7	512.1	477.5	329.3	381.2	332.9	110.0	na
China	39.0	60.0	230.0	367.7	99.8	179.0	192.9	na
Chinese Taipei	276.0	120.3	122.7	157.5	133.6	279.0	306.0	na
Egypt	0.0	0.0	0.0	0.0	0.0	0.0	0.0	na
Indonesia	130.4	55.5	66.6	163.7	152.3	362.2	529.8	na
Iran	124.0	80.0	0.0	84.0	0.0	0.0	227.5	na
Japan	675.4	474.5	762.6	729.0	518.1	434.7	493.2	na
Korea, Rep. of	815.2	504.8	569.8	795.4	980.3	1 003.5	1 066.5	na
Malaysia	767.6	654.9	771.1	798.8	1 015.6	1 026.9	469.0	na
New Zealand	198.1	209.5	245.6	218.6	220.4	243.6	192.2	na
Philippines	137.4	0.0	0.0	30.0	0.0	0.0	0.0	na
Saudi Arabia	204.0	171.7	169.3	212.0	219.5	132.0	132.0	na
Singapore	30.0	0.0	0.0	0.0	0.0	0.0	0.0	na
United States	75.0	62.9	83.2	88.0	108.3	83.5	126.7	na
Other countries	25.4	60.1	0.5	0.8	102.8	76.1	50.1	na
Total	4 028	2 966	3 499	3 975	3 932	4 153	3 896	na
Raw sugar in bags	7.5	7.2	6.3	7.0	7.0	3.7	1.9	2.4
Refined sugar	95.8	113.1	138.5	185.6	121.6	113.7	169.5	191.2
Total	4 131	3 087	3 644	4 167	4 061	4 271	4 067	na
(value, \$m)	1 095	1 178	1 430	1 220	982	1 140	1 597	1 494

^p 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 ^a

	Production Mt	Total supply Mt	Consumption Mt	Closing stocks Mt	Ratio ^b %	Trade ^c Mt	World price ^d	
							US terms US\$/lb	Australian terms A\$/t ^e
1964-65	66.8	78.0	na	na	na	na	na	na
1965-66	63.1	81.9	na	na	na	na	na	na
1966-67	65.6	84.8	na	na	na	na	na	na
1967-68	97.9	87.0	na	na	na	na	na	na
1968-69	68.4	89.0	na	na	na	na	na	na
1969-70	74.2	93.8	na	na	na	na	na	na
1970-71	71.0	92.0	72.8	18.8	(25.8)	na	3.3	84.7
1971-72	72.2	91.0	74.3	16.9	(22.7)	na	6.2	115.7
1972-73	75.6	92.5	76.4	16.4	(21.5)	na	8.7	143.1
1973-74	78.5	94.9	78.3	16.2	(20.7)	na	18.5	274.6
1974-75	78.0	94.2	75.9	17.7	(23.3)	na	30.3	499.5
1975-76	81.1	98.8	78.5	20.6	(26.2)	na	13.6	239.7
1976-77	86.7	107.3	81.3	25.1	(30.9)	na	8.3	162.0
1977-78	91.2	116.3	85.2	30.5	(35.8)	na	7.5	146.1
1978-79	91.0	121.5	89.3	31.7	(35.5)	na	8.2	159.9
1979-80	85.1	116.8	90.1	25.9	(28.7)	na	21.0	412.5
1980-81	88.7	114.6	89.8	25.6	(28.5)	28.6	22.7	433.5
1981-82	100.9	126.5	92.2	33.3	(36.1)	31.6	9.9	205.5
1982-83	100.6	133.9	94.4	38.7	(41.0)	29.6	7.9	190.5
1983-84	98.0	136.7	96.3	39.5	(41.0)	29.6	6.3	155.1
1984-85	100.4	139.9	98.0	42.0	(42.9)	29.2	3.8	112.9
1985-86	98.6	140.6	100.0	39.0	(39.0)	28.8	5.9	193.2
1986-87	104.2	143.2	105.9	35.8	(33.8)	28.7	6.3	203.8
1987-88	104.7	140.5	107.2	33.4	(31.1)	27.9	9.4	275.8
1988-89	104.6	138.0	107.0	31.1	(29.0)	35.2	11.9	326.5
1989-90	109.1	140.2	109.5	30.6	(28.0)	34.7	13.7	386.7
1990-91	115.7	146.3	110.4	35.0	(31.8)	34.4	9.2	261.5
1991-92	116.9	151.9	111.0	40.0	(36.0)	32.2	9.2	268.2
1992-93	112.7	152.7	111.9	39.8	(35.6)	32.6	9.6	306.7
1993-94	111.4	151.2	112.2	37.6	(33.5)	34.1	11.2	351.1
1994-95	116.1	153.7	114.7	38.2	(33.3)	35.5	13.7	408.9
1995-96	125.7	163.9	119.2	40.4	(33.9)	36.1	12.3	351.9
1996-97	123.7	164.1	122.1	41.9	(34.3)	35.6	11.3	319.2
1997-98	127.8	169.7	125.1	44.7	(35.7)	36.9	9.9	339.6
1998-99	135.3	180.0	125.6	54.3	(43.3)	39.3	6.6	228.5
1999-00	131.7	186.0	127.4	58.7	(46.0)	37.1	7.2	260.8
2000-01	130.7	189.4	131.1	58.6	(44.5)	39.4	9.3	393.3
2001-02	137.3	195.6	135.6	56.9	(44.2)	43.5	6.8	281.8
2002-03	148.3	208.3	140.8	49.4	(46.9)	43.6	7.5	270.4
2003-04	142.2	209.1	144.5	51.7	(44.7)	45.0	6.6	201.4
2004-05	141.6	209.0	147.1	57.2	(41.6)	45.9	9.0	258.8
2005-06	152.1	220.7	150.3	57.5	(40.2)	45.1	14.7	439.2
2006-07	162.6	222.6	155.3	67.4	(38.3)	45.0	10.6	284.8

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Europe	28.17	27.73	26.08	27.99	27.12	29.72	29.22	27.48
Eastern Europe	6.08	6.44	6.07	6.36	6.86	5.58	6.16	7.76
Poland ^b	1.96	2.18	1.69	2.01	2.08	na	na	na
Russian Federation	1.63	1.73	1.72	1.86	2.19	2.45	2.83	3.52
Ukraine	1.64	1.72	1.83	1.55	1.68	1.95	2.06	2.70
Other	0.85	0.81	0.84	0.94	0.92	1.18	1.28	1.55
Western Europe	22.09	21.29	20.00	21.62	20.26	24.14	23.05	19.71
European Union ^c	18.35	17.50	16.58	17.79	16.83	22.11	20.60	17.41
Turkey	2.29	2.43	1.86	2.27	1.98	2.03	2.23	2.10
Other	1.45	1.37	1.57	1.56	1.45	0.24	0.22	0.20
Africa	8.87	9.35	9.40	9.36	9.44	9.79	9.69	9.85
Mauritius	0.54	0.69	0.58	0.55	0.55	0.59	0.54	0.54
South Africa	2.43	2.65	2.45	2.55	2.30	2.40	2.25	2.37
Other	5.90	6.02	6.38	6.26	6.59	6.79	6.90	6.95
Americas	46.37	47.24	50.96	52.71	55.00	57.60	57.61	58.69
Brazil	17.53	19.07	22.72	25.33	26.69	29.61	30.40	31.55
Colombia	2.36	2.25	2.50	2.64	2.72	2.63	2.42	2.44
Cuba	4.12	3.60	3.70	2.25	2.50	1.42	1.25	1.20
Guatemala	1.63	1.65	1.95	1.85	2.00	2.18	1.91	2.15
Mexico	4.99	5.24	5.17	5.34	5.36	6.10	5.50	5.54
United States	8.21	7.91	7.17	7.63	7.85	7.17	6.71	7.70
Other	7.54	7.53	7.75	7.66	7.89	8.16	9.41	8.12
Asia	42.56	41.48	45.92	52.47	45.30	41.96	45.79	61.98
China	7.44	6.73	9.30	11.35	10.78	9.95	9.59	13.04
India	19.60	19.75	19.56	21.73	14.70	13.95	20.94	30.60
Indonesia	1.71	1.78	1.90	1.83	2.01	2.30	2.45	2.45
Pakistan	2.65	2.65	3.20	3.83	4.30	3.30	3.21	3.88
Philippines	1.71	1.88	1.95	2.23	2.41	2.25	2.23	2.28
Thailand	5.83	5.44	6.50	7.67	6.94	5.43	5.08	6.93
Other	3.62	3.26	3.53	3.84	4.17	4.18	2.30	2.81
Oceania	5.73	4.88	4.92	5.78	6.19	5.36	5.50	4.99
Australia	5.34	4.47	4.58	5.40	5.81	4.98	5.11	4.65
Fiji	0.34	0.37	0.29	0.33	0.32	0.33	0.29	0.29
Other	0.05	0.04	0.05	0.05	0.06	0.05	0.06	0.05
Total	131.70	130.68	137.28	148.32	142.20	141.64	152.08	162.62

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

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

212 Volume of world sugar trade, by country ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Exports								
Australia	4.01	3.11	3.83	3.94	3.90	4.25	4.07	3.74
Brazil	8.83	8.98	12.63	13.96	15.72	19.22	16.94	20.23
China	0.39	0.18	0.42	0.13	0.04	0.12	0.20	0.15
Colombia	0.94	0.96	1.05	1.35	1.15	1.07	0.96	0.96
Cuba	3.44	2.93	3.07	1.79	2.01	0.91	0.73	0.75
Dominican Republic	0.18	0.19	0.19	0.15	0.21	0.18	0.25	0.19
European Union ^b	8.51	9.24	6.88	8.40	7.16	7.33	8.08	1.48
Fiji	0.32	0.30	0.27	0.28	0.24	0.32	0.28	0.28
Guatemala	1.13	1.43	1.32	1.25	1.49	1.07	1.32	1.47
Guyana	0.28	0.27	0.28	0.30	0.31	0.29	0.23	0.26
India	0.01	1.18	1.33	1.28	0.65	0.23	1.20	1.50
Korea, Rep. of	0.36	0.31	0.32	0.33	0.34	0.33	0.30	0.39
Mauritius	0.44	0.64	0.63	0.56	0.59	0.55	0.53	0.54
Mexico	0.49	0.14	0.52	0.21	0.11	0.11	0.85	0.54
Poland ^c	0.42	0.43	0.06	0.46	0.49	na	na	na
South Africa	1.30	1.45	1.29	1.06	0.99	1.26	1.14	0.87
Swaziland	0.55	0.58	0.48	0.54	0.63	0.63	0.52	0.50
Thailand	3.90	3.66	4.56	4.75	5.12	3.23	2.26	4.41
Ukraine	0.14	0.12	0.09	0.37	0.34	0.11	0.03	0.05
United States	0.11	0.11	0.11	0.13	0.13	0.21	0.20	0.36
Other countries	6.99	7.95	8.73	9.48	10.81	11.64	8.00	7.09
Total ^d	42.70	44.18	48.05	50.71	52.42	53.06	48.09	45.74
Imports								
Algeria	0.89	0.97	1.02	1.09	1.20	1.34	1.24	1.27
Canada	1.11	1.24	1.10	1.37	1.39	1.26	1.31	1.39
China	0.64	0.89	1.28	0.95	1.17	1.10	1.21	1.45
Egypt	1.04	0.90	1.14	1.05	1.20	1.20	0.95	1.16
European Union ^b	4.75	5.24	5.24	5.60	6.11	5.43	3.20	3.20
Indonesia	1.67	1.43	2.28	2.03	2.23	1.83	1.68	1.80
Iran	1.02	1.00	1.01	0.95	0.64	0.59	1.42	0.90
Israel	0.48	0.51	0.54	0.59	0.62	0.63	0.67	0.53
Japan	1.54	1.54	1.53	1.57	1.32	1.52	1.41	1.44
Korea, Rep. of	1.47	1.48	1.54	1.54	1.63	1.64	1.55	1.59
Malaysia	1.18	1.17	1.31	1.49	1.49	1.47	1.47	1.35
Morocco	0.58	0.51	0.54	0.58	0.75	0.81	0.67	0.67
Nigeria	0.79	1.06	1.41	1.50	1.37	1.44	1.23	1.24
Pakistan	0.28	1.28	0.24	0.03	0.05	0.63	1.80	0.45
Russian Federation	5.21	5.08	5.10	5.23	4.09	3.90	3.20	3.16
Saudi Arabia	0.76	0.83	0.92	0.98	0.99	1.03	1.02	1.10
Syria	0.70	0.87	1.06	1.10	1.17	1.12	0.70	0.92
Ukraine	0.26	0.44	0.27	1.46	0.64	0.31	0.07	0.03
United States	1.38	1.42	1.39	1.47	1.65	1.52	2.99	1.83
Other countries	14.16	14.35	15.17	16.21	17.60	21.24	20.38	20.51
Total ^d	41.23	43.51	45.36	48.72	48.82	50.00	48.12	45.95

^a Includes both raw and white sugar measured in raw sugar equivalents, September–August years. ^b Regarded as fifteen countries to 2003-04, then twenty five countries from 2004-05. ^c Included in European Union from 2004-05. ^d 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 ^a

			Production		Exports ^b		Domestic use ^{ef}	Closing stocks ^{fg}
	Area ^c	Yield	Volume ^c	Unit value	Volume	Unit value ^d		
	'000 ha	t/ha	kt	\$/t	kt	\$/t	kt	kt
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	3 367	2 723
1988-89	8 827	1.59	14 061	209.8	11 427	214.4	2 888	2 469
1989-90	9 004	1.58	14 214	195.2	10 993	213.0	2 416	3 274
1990-91	9 218	1.63	15 066	132.0	12 002	136.5	3 239	3 099
1991-92	7 183	1.47	10 557	200.2	7 136	202.4	4 095	2 426
1992-93	9 101	1.78	16 184	165.9	10 359	206.8	4 186	4 065
1993-94	8 383	1.97	16 479	174.0	13 818	174.7	3 900	2 826
1994-95	7 891	1.14	8 972	237.1	6 351	234.1	3 916	1 531
1995-96	9 221	1.79	16 504	260.8	13 319	286.4	4 111	604
1996-97	10 936	2.10	22 924	212.8	19 224	226.9	3 559	745
1997-98	10 439	1.84	19 224	197.7	15 725	240.9	4 111	132
1998-99	11 543	1.86	21 464	186.9	16 450	203.3	4 449	698
1999-00	12 168	2.03	24 758	195.1	17 838	205.4	4 786	2 832
2000-01	12 141	1.82	22 108	232.1	16 142	267.9	4 887	3 911
2001-02	11 529	2.11	24 298	261.6	16 318	277.9	5 018	6 873
2002-03	11 170	0.91	10 132	265.7	9 107	283.1	5 515	2 384
2003-04	13 067	2.00	26 132	215.7	17 868	231.1	5 738	4 910
2004-05	13 399	1.63	21 905	197.1	14 675	213.7	6 029	6 111
2005-06	12 543	2.02	25 367	204.8	15 969	221.6	6 516	8 994
2006-07	11 138	0.88	9 819	265.7	8 686	266.5	7 446	2 681

a Crop years: up to and including 1981-82: 1 December to 30 November; 1982-83 and subsequent years: 1 October to 30 September. **b** For wheat including flour, in wheat equivalent [conversion 1:1.29]. **c** Details for establishments with an estimated value of agricultural operations (EVAO) of \$2 500 or more until 1985-86; EVAO of \$5 000 or more from 1986-87 to 1988-89; EVAO of \$20 000 or more from 1989-90 to 1990-91; EVAO of \$22 500 or more from 1991-92 to 1992-93; and EVAO of \$5 000 or more from 1993-94. **d** Export unit value based on financial year exports until 1987-88 and crop year exports thereafter. **e** Calculated as production less exports plus net change in stocks. Includes wastage. **f** Some ABARE estimates have been revised based on additional industry information. ABARE is continuing to investigate data. **g** Includes AWB Limited Pool and Trading Division closing stocks. Sources: ABS, *International Trade, Australia*, cat. no. 5465.0, Canberra; ABS, *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0, Canberra; ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0, Canberra; ABS, *Value of Australian Commodities Produced*, Cat. no. 7503.0, Canberra; ABARE.

214 Australian wheat area, yield and production, by state

	Unit	New South Wales	Victoria	Queensland	Western Australia	South Australia	Tasmania	Australia ^a
Area b								
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	3 430	1 340	799	4 901	2 063	8	12 543
2006-07	'000 ha	3 350	1 250	550	4 000	1 980	8	11 138
Yield								
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	2.28	2.22	1.54	1.93	1.87	4.10	2.02
2006-07	t/ha	0.63	0.52	1.27	1.25	0.68	2.38	0.88
Production b								
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	7 828	2 972	1 231	9 436	3 863	34	25 367
2006-07	kt	2 100	650	700	5 000	1 350	19	9 819

^a Includes data for the Australian Capital Territory and the Northern Territory. State totals may not add to Australian totals as a result of rounding. ^b Excludes establishments with an EVAO less than \$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 ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Africa								
Egypt	1 018	957	1 680	602	2 534	752	1 818	251
Ethiopia	10	35	10	24	29	0	8	0
South Africa	189	141	98	48	247	183	85	0
Asia								
Bangladesh	476	252	133	130	141	162	179	3
China	136	60	46	38	755	1 893	303	183
India	446	7	0	0	4	0	93	1 593
Indonesia	1 868	2 192	2 097	1 686	2 647	2 720	3 016	2 574
Japan	1 189	1 161	1 195	1 134	1 250	1 171	1 106	1 114
Korea, Rep. of	1 148	1 139	953	1 014	1 065	1 213	1 002	989
Malaysia	790	775	682	370	737	888	780	629
Pakistan	1 286	0	0	9	140	653	146	0
Singapore	95	98	95	65	48	118	68	70
Sri Lanka	102	262	209	117	132	66	46	0
Thailand	296	272	285	291	422	478	545	192
Middle East								
Bahrain	0	44	0	0	6	3	0	5
Iran	1 520	2 352	2 420	1 064	0	0	425	41
Iraq	2 265	2 587	2 245	1 037	1 111	1 550	715	362
Kuwait	176	180	230	175	259	305	341	250
Oman	376	136	114	27	91	63	86	0
Qatar	36	28	0	0	0	0	61	64
United Arab Emirates	528	399	226	142	196	241	525	99
Yemen	588	507	450	412	198	314	499	385
Oceania								
Fiji	89	93	102	120	122	134	131	146
New Zealand	159	191	305	308	314	339	313	350
Papua New Guinea	148	136	110	130	99	134	155	148
Total	17 329	16 621	16 465	10 845	15 074	15 780	15 168	11 196
(value, \$m)	3 481	4 197	4 612	3 109	3 475	3 488	3 296	2 765

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

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

wheat

216 Australian wheat supply and disposal ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Opening stocks	698	2 832	3 911	6 873	2 384	4 910	6 111	8 994
Production	24 758	22 108	24 298	10 132	26 132	21 905	25 367	9 819
Availability	25 456	24 940	28 209	17 005	28 516	26 815	31 478	18 813
Total domestic use ^b	4 786	4 887	5 018	5 515	5 738	6 029	6 516	7 446
Food	2 310	2 368	2 415	2 427	2 518	2 342	2 287	2 333
Feed ^c	1 930	2 000	2 100	2 500	2 550	3 060	3 672	4 500
Seed	546	519	503	588	670	627	557	613
Exports								
Wheat	17 599	15 888	16 075	8 926	17 582	14 349	15 670	8 407
Flour ^d	239	255	242	180	286	325	298	279
Total	17 838	16 142	16 318	9 107	17 868	14 675	15 969	8 686
Closing stocks ^b	2 832	3 911	6 873	2 384	4 910	6 111	8 994	2 681

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

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

217 Australian wheat prices ^a

	AWB Limited export quote ^a		Stock feed	Unit GVP
	US\$/t	A\$/t	wheat ^b 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	261.60
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	195.08	261.64	192.15	204.77
2006-07	230.70	295.38	289.39	265.69

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

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

218 Summary of world statistics for wheat

	Area million ha	Production Mt	Use Mt	Closing stocks		Stocks to use ratio %	Trade ^c Mt	Use per person kg	Price ^d US\$/t
				World ^a 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	213	566	600	165	44	27	107	95	160.46
2003-04	208	556	588	128	41	22	102	93	160.49
2004-05	217	628	617	140	58	23	110	96	153.87
2005-06	216	620	624	136	57	22	109	96	176.28
2006-07	208	591	610	117	36	19	109	93	211.91

^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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Africa								
Algeria	1.4	0.8	2.0	1.5	3.0	2.7	2.4	3.0
Egypt	6.3	6.6	6.3	6.8	6.8	7.2	8.2	8.3
Morocco	2.2	1.4	3.3	3.4	5.1	5.5	3.0	6.3
South Africa	1.7	2.4	2.5	2.4	1.5	1.7	1.9	2.1
Americas								
Argentina	15.7	16.5	15.3	12.3	14.6	16.0	12.6	14.2
Brazil	2.4	1.7	3.2	2.9	5.9	6.0	4.9	2.2
Canada	26.9	26.8	20.6	16.2	23.6	25.9	26.8	25.3
Mexico	3.1	3.3	3.3	3.3	2.9	2.9	3.0	3.2
United States	62.5	60.6	53.0	43.7	63.8	58.7	57.3	49.3
Asia								
China	113.9	99.7	93.9	90.3	86.5	92.0	97.5	104.5
India	70.8	76.4	69.7	71.8	65.1	72.1	68.6	69.4
Japan	0.6	0.7	0.7	0.8	0.9	0.9	0.9	0.9
Kazakhstan	11.2	9.1	12.7	12.8	11.5	9.9	11.0	12.5
Pakistan	17.9	21.1	19.0	18.2	19.2	19.5	21.7	21.7
Uzbekistan	3.7	3.6	3.2	4.8	5.4	4.7	6.1	5.8
Europe								
Bulgaria	3.2	3.3	3.1	3.5	1.7	3.6	3.5	3.2
Czech Republic	4.0	4.1	4.5	3.8	2.6	5.0	4.1	3.5
European Union ^a	96.5	104.4	90.5	103.2	106.2	136.1	133.8	125.3
France	37.2	37.5	31.4	39.0	30.5	39.7	37.0	35.5
Germany	19.6	21.6	22.8	20.8	19.3	25.4	23.7	22.4
Italy	7.3	6.9	6.2	7.5	6.2	8.6	7.3	6.5
Spain	4.9	7.3	4.7	6.3	6.1	6.8	3.3	5.6
Sweden	1.7	2.4	2.3	2.1	2.3	2.4	2.3	2.0
United Kingdom	14.9	16.8	11.6	16.1	14.3	15.5	14.9	14.7
Hungary	2.6	3.7	5.2	3.9	2.9	6.0	5.1	4.4
Poland	9.1	8.5	9.3	9.3	7.9	9.9	8.8	7.1
Romania	4.4	4.4	7.7	4.4	2.5	7.8	7.6	5.0
Russian Federation	31.0	34.5	46.9	50.6	34.1	45.4	47.6	44.9
Serbia and Montenegro	2.1	2.3	2.5	2.2	1.4	2.8	2.0	1.9
Slovakia	1.2	1.3	1.8	1.6	0.9	1.7	1.6	1.4
Ukraine	13.6	10.2	21.0	19.8	3.6	16.5	18.7	13.9
Middle East								
Iran	8.0	7.0	7.5	12.5	13.5	14.0	14.5	14.8
Saudi Arabia	1.8	1.8	2.0	2.0	2.0	2.1	2.2	2.1
Syria	2.6	2.7	4.7	4.5	4.7	4.5	4.7	4.9
Turkey	16.5	17.5	15.5	17.3	18.5	18.5	18.0	17.5
Oceania								
Australia	24.8	22.1	24.3	10.1	26.1	21.9	25.4	9.8
Total ^b	584.7	582.3	581.7	566.0	556.0	628.0	620.0	591.0

^a Regarded as fifteen countries to 2002-03, twenty five countries from 2003-04, then twenty seven countries from 2005-06. Production totals for individual EU countries sourced from International Grains Council from 2000-01 onwards. ^b Includes some unspecified countries.

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

wheat

220 Volume of world wheat trade, by country ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	Mt	Mt	Mt	Mt	Mt	Mt	Mt	Mt
Imports								
Africa								
Algeria	4.8	5.6	4.6	6.1	3.9	5.3	5.5	4.5
Egypt	5.9	6.1	6.9	6.4	7.3	7.9	7.7	6.8
Morocco	3.1	3.6	3.1	2.7	2.4	2.3	2.4	1.8
Nigeria	1.3	1.9	2.4	2.3	2.4	3.1	3.7	3.2
Tunisia	1.2	1.6	1.3	2.2	0.8	1.0	1.0	1.4
Americas								
Brazil	7.7	7.2	7.0	6.7	5.7	5.5	6.2	7.5
Cuba	1.1	0.0	1.1	0.8	0.7	0.8	0.8	0.7
Mexico	2.6	3.1	3.2	3.2	3.6	3.6	3.4	3.6
Peru	1.2	1.5	1.4	1.2	1.5	1.4	1.7	1.3
Venezuela	1.4	1.4	1.4	1.0	1.5	1.5	1.6	1.8
Asia								
Bangladesh	1.6	1.3	1.6	1.3	2.0	1.8	2.0	1.8
China	1.0	0.2	1.1	0.4	3.7	6.8	1.0	0.4
Chinese Taipei	1.1	1.0	1.0	1.0	1.2	1.1	1.2	1.1
India	1.4	0.4	0.0	0.0	0.0	0.0	0.1	6.7
Indonesia	3.7	4.1	3.7	4.0	4.8	4.8	5.1	5.6
Japan	6.0	5.9	5.8	5.6	5.8	5.4	5.4	5.6
Korea, Rep. of	3.8	3.1	4.0	4.1	3.4	3.6	3.8	3.4
Pakistan	2.1	0.0	0.2	0.2	0.2	1.4	0.9	0.1
Philippines	3.0	3.1	2.9	3.2	3.0	2.5	2.9	2.7
Europe								
European Union b	5.1	4.7	10.7	13.9	5.6	7.1	7.1	5.6
Russian Federation	5.1	1.6	0.6	1.0	1.0	1.1	1.3	1.1
Ukraine	0.5	0.7	0.0	0.8	3.4	0.0	0.1	0.2
Middle East								
Iran	7.2	6.3	5.3	2.1	0.2	0.2	1.0	0.2
Iraq	2.7	3.2	2.8	1.6	1.9	3.1	4.9	2.9
Turkey	1.5	0.5	1.0	1.2	1.1	0.4	0.1	1.7
Yemen	2.0	2.1	1.8	1.8	1.6	2.0	2.3	2.5
Exports								
Americas								
Argentina	11.6	11.3	10.1	6.1	7.4	13.2	8.1	11.7
Canada	19.2	17.3	16.3	9.2	15.6	15.4	15.5	19.4
United States	35.4	36.2	32.4	23.7	32.2	28.2	27.2	24.7
Europe								
European Union b	17.4	15.2	11.5	15.5	10.3	13.6	14.6	13.0
Russian Federation	0.6	1.1	4.6	13.0	4.0	7.9	10.6	10.9
Ukraine	2.5	0.8	5.5	6.7	0.1	4.3	6.5	3.3
Asia								
China	0.5	0.5	1.3	1.4	2.4	0.8	1.0	2.5
India	0.2	2.1	3.1	5.4	5.4	1.7	0.4	0.1
Japan	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4
Kazakhstan	3.1	3.7	3.8	5.6	4.6	3.0	3.8	8.4
Turkey	1.9	1.6	0.7	0.8	0.7	2.1	2.5	1.9
Oceania								
Australia c	17.3	16.6	16.5	10.8	15.1	15.8	15.2	11.2
Total ^d	114.2	103.2	108.5	105.9	102.7	110.2	109.9	110.7

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

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

221 US wheat supply and disposal ^a

	Unit	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07 ^b
Area									
- planted	million ha	25.4	25.3	24.1	24.4	25.1	24.2	23.1	23.2
- harvested	million ha	21.8	21.5	19.7	18.5	21.4	20.2	20.3	18.9
Yield	t/ha	2.87	2.82	2.69	2.36	2.98	2.91	2.82	2.61
Production	Mt	62.5	60.6	53.0	43.7	63.8	58.7	57.3	49.3
Opening stocks	Mt	25.7	25.8	23.8	21.2	13.4	14.9	14.7	15.5
Imports	Mt	2.6	2.4	2.9	2.1	1.7	1.9	2.2	3.3
Availability	Mt	90.8	88.9	79.8	67.0	78.9	75.5	74.2	68.1
Domestic use	Mt	35.4	36.2	32.4	30.4	32.5	31.8	31.4	31.0
- food	Mt	25.3	25.8	25.2	25.0	24.8	24.8	24.0	25.0
- feed	Mt	7.6	8.2	5.0	3.1	5.5	5.0	4.3	3.5
- seed	Mt	2.5	2.2	2.3	2.3	2.2	2.1	2.1	2.0
Exports	Mt	29.6	28.9	26.2	23.1	31.5	29.0	27.3	24.7
Closing stocks	Mt	25.8	23.8	21.2	13.4	14.9	14.7	15.5	12.4
- Commodity Credit Corporation	Mt	2.8	2.6	2.7	1.8	1.7	1.5	1.2	1.1
- Free	Mt	23.0	21.2	18.5	11.6	12.2	12.9	14.4	11.3
Farm price	US\$/bus	2.48	2.62	2.78	3.56	3.40	3.40	3.42	4.26
Loan rate	US\$/bus	2.58	2.58	2.58	2.80	2.80	2.75	na	na
Export price ^c	US\$/t	113.17	128.50	127.51	160.46	160.49	153.87	176.28	211.91

^a June–May year. ^b US Department of Agriculture estimate. ^c 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 quotation, by country and category

	Australian prime hard 14% (eastern states) US\$/t	Canadian no. 1 western red spring 12.5% (Vancouver) ^a 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
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
2006-07	256.69	242.64	231.66	211.91	187.75	198.73	180.55
2006							
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
September	247.80	222.20	219.41	207.75	168.80	184.20	169.20
October	259.25	237.50	233.65	220.25	181.00	203.75	202.00
November	261.75	237.75	235.37	217.25	184.67	206.00	197.75
December	259.20	248.80	232.35	214.00	186.40	200.80	197.60
2007							
January	251.75	239.00	227.38	207.75	180.25	197.00	180.75
February	259.75	244.25	235.57	210.00	174.75	199.50	179.75
March	256.80	244.40	236.86	208.40	188.00	206.20	171.20
April	261.75	253.75	239.41	211.25	210.50	219.50	180.50
May	254.25	252.50	230.88	202.50	218.50	217.00	184.00
June	275.00	271.00	250.16	231.80	240.40	232.60	208.80
July	297.75	291.00	269.55	253.75	256.67	277.75	239.00
August	325.20	308.60	295.40	278.20	275.40	333.80	271.60

^a Prior to October 1994 export price quotation for Canadian no. 1 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 ^a

	Area million ha	Yield t/ha	Production Mt	Domestic use Mt	Exports ^b Mt	Closing stocks Mt
United States (June–May)						
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	31.4	27.2	15.5
2006-07	18.9	2.61	49.3	31.0	24.7	12.4
Canada (August–July)						
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	9.8	2.64	25.9	9.2	14.8	7.9
2005-06	9.8	2.73	26.8	9.2	15.8	9.7
2006-07	9.6	2.64	25.3	8.9	19.1	7.0
Argentina (December–November)						
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	2.4
2004-05	6.1	2.62	16.0	5.1	11.4	2.0
2005-06	5.2	2.42	12.6	4.9	9.3	0.4
2006-07	5.3	2.68	14.2	4.8	9.5	0.4
Australia (October–September)						
2001-02	11.5	2.11	24.3	4.9	16.3	7.4
2002-03	11.2	0.91	10.1	5.7	9.1	2.8
2003-04	13.1	2.00	26.1	5.1	17.9	5.9
2004-05	13.4	1.63	21.9	5.3	14.7	7.8
2005-06	12.5	2.02	25.4	5.5	16.0	11.7
2006-07	11.1	0.88	9.8	7.0	8.7	5.8
European Union (July–June) ^c						
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	15.2	23.0
2005-06	25.3	5.29	133.8	129.3	15.9	21.5
2006-07	24.8	5.06	125.3	124.2	14.3	13.9
Total ^{cd}						
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	43.7
2003-04	73.1	3.21	234.3	157.8	85.5	40.6
2004-05	72.5	3.57	258.6	168.4	82.7	58.0
2005-06	73.1	3.50	255.9	180.3	82.9	57.0
2006-07	69.7	3.21	223.9	176.0	75.0	36.4

^a The marketing period in each country is shown in parentheses. ^b Includes wheat equivalent of flour and other wheat products. ^c Regarded as twenty five countries from 2003-04, then twenty seven countries from 2005-06. Excludes intra-EU trade. EU stock figures include intervention stocks. ^d Simple aggregation of different crop years.

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

224 Summary of Australian statistics for wool

	Sheep numbers ab	Wool production (greasy) c		Clean yield ac	Closing stocks (at 30 June) d		Average price	
		Shorn kt	Total kt		Eastern market indicator (clean) e	Auction (greasy)		
							'000 bales	kt
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	666.0	65.6	1 476.4	263.4	627.0	357.3
2000-01	110.9	589.9	645.1	65.8	796.5	141.4	764.0	512.0
2001-02	106.2	536.9	587.2	66.1	429.8	81.0	841.0	526.7
2002-03	99.3	501.8	551.1	64.8	123.9	105.0	1 049.0	682.0
2003-04	101.3	466.3	509.5	64.4	707.7	156.3	820.0	533.0
2004-05	102.5	474.8	519.7	64.2	888.3	157.0	766.6	484.9
2005-06	92.7	461.0	509.8	64.1	896.7	157.6	713.3	463.7
2006-07	86.8 s	426.0 s	476.8 s	62.9	583.8	103.0	864.1	561.7

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

Sources: ABS, *Selected Agricultural Commodities, Australia, Preliminary*, cat. no. 7112.0, Canberra; ABS, *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 ^a
Number of sheep shorn (million)							
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	na	na	na	na	na	na	104.64 ^s
2006-07	na	na	na	na	na	na	100.98 ^s
Average cut per head (kg greasy)							
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	4.07	4.28	4.27	4.59	3.68	4.41
2006-07	na	na	na	na	na	na	4.22 ^s
Shorn wool production (kt greasy)							
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	589.86
2001-02	193.00	112.50	35.80	108.39	71.45	15.73	536.87
2002-03	190.48	101.47	20.68	110.04	64.30	14.83	501.80
2003-04	163.10	93.79	18.55	110.61	66.41	13.87	466.30
2004-05	165.83	99.55	25.67	107.80	63.90	12.04	474.80
2005-06	na	na	na	na	na	na	460.97
2006-07	na	na	na	na	na	na	426.00 ^s
Clean yield (%)							
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	66.10
2002-03	65.40	66.30	63.00	61.00	61.80	70.80	64.80
2003-04	63.90	65.80	61.60	62.90	62.70	71.00	64.40
2004-05	63.50	65.90	62.30	62.00	62.00	70.60	64.20
2005-06	63.60	65.70	61.30	63.90	61.20	70.20	64.10
2006-07	62.60	64.20	61.00	61.50	61.70	69.60	62.90

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

Sources: ABS, *Agriculture, Australia*, cat. no. 7113.0, Canberra; ABS, *Agricultural Commodities Australia*, Cat. no. 7121.0, Canberra; ABS, *Livestock and Livestock Products, Australia*, cat. no. 7221.0, Canberra; Australian Wool Testing Authority, *Key Test Data Summary*; ABARE.

226 Australian sheep disposal and wool production

	Unit	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Sheep disposal								
Opening number a	million	118.6	110.9	106.2	99.3	101.3	102.5	92.7
Lambs marked	million	38.2	37.7	33.9	36.3	37.4	35.7	na
Lambs slaughtered b	million	18.6	17.4	16.9	16.6	17.3	18.7	20.2
Sheep slaughtered b	million	16.6	14.4	13.7	10.4	11.4	11.8	13.3
Live sheep exports	million	5.9	6.4	5.8	3.8	3.2	4.2	4.1
Sheep deaths c	million	4.7	4.2	4.5	3.5	4.2	10.7	na
Closing number d	million	110.9	106.2	99.3	101.3	102.5	92.7	86.8 s
Wool production								
Number shorn	million	130.5	122.6	116.7	105.1	108.4	104.6 s	101.0 s
Cut per head	kg	4.52	4.38	4.30	4.44	4.38	4.41	4.22 s
Wool production (greasy)								
- shorn	kt	589.9	536.9	501.8	466.3	474.8	461.0	426.0 s
- on skins	kt	55.3	50.4	49.3	43.2	44.9	48.8	50.8 s
- total	kt	645.1	587.2	551.1	509.5	519.7	509.8	476.8
- clean yield	%	65.8	66.1	64.8	64.4	64.2	64.1	62.9

a Sheep and lambs at 1 July on enterprises with estimated value of agricultural operations (EVAO) of \$5 000 or more. **b** For human consumption only, but excludes slaughterings on farms. **c** Calculated residually. **d** Sheep and lambs at 30 June on enterprises with an EVAO of \$5 000 or more. **s** ABARE estimate. **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 and Livestock Products, Australia*, cat. no. 7221.0, Canberra; ABARE.

227 Average prices for greasy wool in principal exporting countries

	Australia ^a c/kg	New Zealand ^{ab} c/kg	South Africa ^{ac} c/kg
1970-71	na	73.25	na
1971-72	na	na	na
1972-73	na	na	na
1973-74	361.20	na	na
1974-75	252.80	na	na
1975-76	271.80	180.01	na
1976-77	348.00	na	na
1977-78	354.70	na	na
1978-79	391.70	na	na
1979-80	462.00	na	na
1980-81	478.80	279.85	na
1981-82	501.90	na	na
1982-83	516.30	na	na
1983-84	540.30	na	na
1984-85	586.00	na	na
1985-86	594.90	358.09	na
1986-87	697.40	450.29	na
1987-88	1 117.40	532.70	na
1988-89	1 091.70	522.89	na
1989-90	969.20	467.83	na
1990-91	699.60	321.35	na
1991-92	592.60	313.76	na
1992-93	519.20	329.13	474.02
1993-94	547.00	338.13	507.48
1994-95	788.00	474.14	761.09
1995-96	658.05	433.23	592.35
1996-97	669.81	394.43	629.34
1997-98	733.15	389.82	666.87
1998-99	550.25	344.35	466.18
1999-00	627.00	352.11	487.54
2000-01	764.00	410.75	560.82
2001-02	841.00	418.87	627.20
2002-03	1 049.00	490.43	822.57
2003-04	820.00	413.23	629.95
2004-05	766.58	373.92	549.98
2005-06	713.33	326.12	513.18
2006-07	864.14	325.63	638.71

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

Sources: Australian Wool Exchange, Melbourne; Meat and Wool New Zealand Economics Service, Wellington; International Wool Textile Organisation, *Market Information*, London; Reserve Bank of Australia.

228 Average world prices for synthetic fibres

	US polyester price ^a USc/lb	Chinese Taipei polyester price ^{bc} USc/lb	Chinese Taipei acrylic price ^{bd} 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
2006-07	73.17	na	na

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

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

229 Australian wool exports, by destination, recorded trade basis

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
Volume (kt greasy equivalent)								
China	269	324	280	207	211	266	320	376
Chinese Taipei	58	40	37	27	21	21	17	11
Eastern Europe a	4	5	6	8	9	9	11	4
European Union b								
Czech Republic	15	21	14	9	14	13	19	15
France	39	35	25	21	19	11	1	0
Germany	29	37	22	17	16	10	7	3
Italy	136	135	109	80	62	63	47	41
United Kingdom	10	8	4	3	3	2	2	1
Other	42	51	36	24	24	24	27	20
Total	256	267	196	146	124	110	85	67
India	43	44	32	25	27	31	34	30
Japan	32	26	19	13	11	7	7	8
Korea, Rep. of	49	44	49	34	10	9	8	7
Thailand	14	14	12	13	13	11	8	5
Turkey	20	23	17	15	14	6	6	5
United States	14	12	7	5	3	4	4	4
Other	42	55	47	38	60	75	43	48
Total	802	854	701	532	502	547	543	566
Value (\$m)								
China	925	1 360	1 451	1 423	1 175	1 382	1 485	2 031
Chinese Taipei	172	147	181	178	108	93	73	66
Eastern Europe a	14	23	26	52	45	46	54	19
European Union b								
Czech Republic	47	84	70	57	69	55	81	68
France	137	166	138	149	114	53	5	1
Germany	103	150	124	119	82	42	27	14
Italy	589	765	596	547	347	342	257	260
United Kingdom	35	35	17	18	16	11	8	7
Other	124	195	170	147	118	107	111	88
Total	988	1 311	1 046	981	677	555	409	370
India	151	189	167	177	154	154	156	162
Japan	132	119	99	88	59	34	33	42
Korea, Rep. of	225	247	275	225	60	47	34	28
Thailand	65	73	75	100	80	63	45	37
Turkey	65	114	99	104	81	29	27	22
United States	61	56	34	36	18	22	21	19
Other	154	242	229	215	320	392	193	264
Total	2 953	3 882	3 682	3 578	2 777	2 817	2 531	3 059

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

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	kt	kt	kt	kt	kt	kt	kt	kt
Scoured								
China	4.7	7.4	5.6	5.9	4.2	1.9	2.0	3.1
India	7.5	9.2	5.8	4.1	3.6	3.1	3.0	2.9
Italy	12.6	13.0	7.5	5.2	4.7	5.8	3.0	2.2
Japan	9.4	7.4	5.6	4.3	4.3	2.4	2.5	3.0
Korea, Rep. of	6.9	6.7	6.8	2.3	1.2	0.6	0.1	0.0
Malaysia	1.1	1.4	1.6	2.1	1.4	3.1	5.2	3.0
Thailand	8.4	8.2	7.7	8.5	8.1	6.2	5.2	3.5
Total	71.1	74.7	51.5	38.9	33.3	30.7	29.8	25.7
Carbonised								
China	6.6	7.2	6.7	6.4	7.0	6.8	5.5	4.1
Hong Kong	2.3	2.7	1.2	0.7	0.1	0.2	0.1	0.0
Italy	5.3	5.8	3.5	1.7	2.8	3.7	2.8	3.0
Japan	2.0	2.2	2.0	1.4	1.4	0.9	0.8	0.9
Korea, Rep. of	9.2	7.4	8.5	7.1	2.9	3.9	3.9	3.9
Turkey	1.2	1.0	0.8	0.9	1.3	1.3	1.1	1.1
Total	29.8	31.3	27.1	22.4	18.7	19.0	16.0	15.9
Tops and sliver								
China	15.4	11.1	9.2	6.6	1.1	0.2	0.2	0.1
Chinese Taipei	2.4	0.9	0.9	0.6	0.2	0.0	0.0	0.0
Italy	8.4	12.3	12.8	8.4	1.0	0.1	0.1	0.2
Iran	1.9	2.7	1.5	0.9	0.1	0.0	0.0	0.0
Japan	3.8	3.8	2.4	1.5	0.3	0.0	0.1	0.1
Korea, Rep. of	9.3	7.8	9.5	7.2	0.7	0.0	0.0	0.0
Mexico	1.4	2.4	1.5	1.0	0.2	0.0	0.0	0.0
No country detail	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	53.2	52.6	47.1	32.7	20.3	16.4	8.3	7.1
Noils and waste								
China	0.1	0.5	0.2	0.1	0.2	0.2	0.0	0.0
France	0.7	0.6	0.4	0.4	0.1	0.9	0.4	0.3
Germany	0.1	0.1	0.0	0.7	0.5	0.0	0.0	0.0
Italy	4.5	4.0	5.0	3.0	1.9	0.6	1.0	0.8
Japan	0.3	0.4	0.2	0.1	0.1	0.0	0.0	0.0
Korea, Rep. of	0.2	1.2	0.8	0.4	0.1	0.0	0.0	0.0
United Kingdom	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0
Total	6.9	7.9	7.3	5.3	3.5	2.1	1.5	1.4

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

231 World wool production, by country and type

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07 s
	kt	kt	kt	kt	kt	kt	kt	kt
Greasy								
Country or region								
Afghanistan	16	15	14	14	11	11	11	na
Algeria	18	18	20	20	19	19	19	na
Argentina	63	62	63	68	76	80	78	na
Australia	666	645	587	551	509	520	510	477
Chile	17	16	16	15	15	15	15	na
China ^a	293	298	308	338	374	393	395	na
Ethiopia	13	11	11	11	11	11	11	na
France	17	17	17	17	17	17	17	na
Greece	13	14	14	14	14	14	14	na
India	48	48	48	48	48	48	48	na
Iran	54	54	54	54	54	54	54	na
Ireland	26	26	26	26	18	16	16	na
Italy	12	11	11	11	11	11	11	na
Mongolia	22	20	19	15	15	15	15	na
Morocco	38	38	38	38	38	38	38	na
New Zealand	257	237	229	228	218	216	225	na
Pakistan	39	39	39	40	40	40	40	na
Peru	13	na	na	12	12	11	10	na
Romania	18	17	17	17	18	18	18	na
Russian Federation	129	130	135	141	146	148	145	na
Azerbaijan	11	12	12	12	12	13	13	na
Baltic States	0	0	0	0	0	0	0	na
Kazakhstan	23	24	25	27	28	29	27	na
Kyrgyzstan	11	11	11	11	10	10	10	na
Russia	na	na	na	na	na	na	na	na
Turkmenistan	18	18	18	18	18	18	18	na
Uzbekistan	16	16	17	17	19	19	19	na
Other CIS	11	10	11	12	12	13	13	na
South Africa ^b	48	47	46	44	46	46	46	na
Spain	39	39	39	36	36	36	36	na
Sudan	45	45	45	45	45	45	45	na
Syria	26	23	22	22	22	22	22	na
Turkey	60	58	56	54	54	54	54	na
United Kingdom	56	62	49	44	43	43	43	na
United States	24	22	22	20	19	19	19	na
Uruguay	57	57	49	41	37	38	46	na
Other producers	159	180	185	152	168	151	148	na
World	2 283	2 247	2 177	2 135	2 132	2 146	2 147	na
Clean								
Wool type								
Fine wool (<=24.5um)	557	539	511	473	470	464	464	na
Medium wool (24.6-32.5um)	276	287	278	275	260	260	263	na
Coarse wool (>32.5um)	510	492	480	486	491	496	502	na
World	1 343	1 317	1 268	1 233	1 220	1 220	1 229	1 204

^a Includes Manchuria, Sinkiang and Tibet. ^b Excluding Lesotho and Namibia. **na** Not available.
Sources: International Wool Textile Organisation, *Market Information*, London; ABARE.

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

	Australia	New Zealand	Argentina ^b	Uruguay ^c	South Africa	Total
	kt	kt	kt	kt	kt	kt
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	186	77	82	29	1 147
1996-97	860	200	83	17	19	1 178
1997-98	799	192	25	7	24	1 047
1998-99	683	171	24	9	25	912
1999-00	802	182	30	11	21	1 045
2000-01	854	179	21	11	17	1 082
2001-02	701	163	22	7	21	914
2002-03	532	148	24	7	21	731
2003-04	502	153	18	7	21	701
2004-05	547	144	20	7	24	741
2005-06	543	161	12	17	28	762
2006-07	566	154	16	25	28	789

^a Greasy equivalent. Includes raw, semiprocessed and wool on skins. For New Zealand and South Africa, does not include wool exported on skins. ^b October–September years to 1993-94; July–June years from 1994-95. ^c October–September years. **na** Not available.

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

233 Market prices for Australian wool, by category ^a

	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg	c/kg
19 micron	1 127.7	1 315.0	1 068.0	1 206.0	966.3	951.7	888.0	1 057.0
20 micron	754.6	784.0	850.0	1 150.9	913.4	839.8	776.0	955.0
21 micron	556.0	637.0	826.0	1 143.0	887.8	779.1	723.0	900.0
22 micron	474.6	597.0	824.0	1 133.9	865.1	742.5	702.0	861.0
23 micron	432.6	570.0	820.0	1 119.3	841.6	715.4	689.0	832.0
24 micron	423.9	554.0	815.0	1 096.2	811.4	673.8	669.0	766.0
25 micron	408.4	521.0	790.0	1 035.7	762.7	620.8	615.0	656.0
30 micron	351.4	444.0	585.0	595.6	430.9	451.7	426.0	415.0
Eastern market indicator	627.0	764.0	841.0	1 049.0	820.0	766.6	713.3	864.1
Western market indicator	623.1	778.9	835.8	1 051.2	821.3	746.5	691.7	855.9

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

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