



**Australian
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Statistics**

**Manufacturing Production
Australia**

**Food, Drink, Tobacco
Stock and Poultry Food**

May 1993

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MANUFACTURING PRODUCTION, AUSTRALIA
FOOD, DRINK, TOBACCO, STOCK AND POULTRY FOOD
MAY 1993

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INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS office.
 - for information about other ABS statistics and services please refer to the back page of this publication.
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TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM

Period	Unsweetened milk and cream, in liquid form		Cream, not concentrated or sweetened (022.13)	Milk based food pre- parations (e.g. health, invalid or baby preparations(a)) (098.74)	Yoghurt(b) (022.31)
	Skim milk concentrate (022.27)	Other milk and cream concentrate (022.28)			
	tonnes	tonnes	'000 litres	tonnes	tonnes
1989-90	43,449	43,465	171,276	34,375	59,424
1990-91	51,682	43,752	203,695	29,545	64,745
1991-92	49,897	39,563	205,657	29,808	72,055
1992 —					
March	4,656	4,403	16,415	3,259	6,819
April	4,196	3,422	13,208	2,593	6,016
May	4,403	2,043	11,655	2,281	5,764
June	3,341	1,524	11,147	2,587	5,700
July	3,571	1,344	9,202	2,256	5,735
August	4,623	2,217	13,640	2,622	5,748
September	5,499	3,488	22,685	2,748	6,440
October	5,158	4,442	24,201	2,056	7,045
November	5,573	4,492	26,686	2,619	6,827
December	5,517	4,024	28,857	1,799	5,586
1993 —					
January	5,217	4,563	25,638	701	6,311
February	5,734	4,329	15,128	1,282	7,046
March	6,315	3,355	18,099	2,478	7,236
April	5,281	3,900	15,846	n.p.	5,923
May	5,425	4,200	13,983	1,606	6,602
1991-92: July to May.	46,556	38,039	194,510	27,221	66,354
1992-93: July to May.	57,913	40,352	213,963	n.p.	70,498

TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM—continued
(tonnes)

Period	Milk in powdered form(c)			
	Casein(c)	Wholemilk	Skim or mixed skim and buttermilk	Buttermilk
1989-90	5,328	56,476	135,048	8,681
1990-91	2,293	59,683	146,619	9,152
1991-92	2,575	67,446	146,550	10,871
1992 —				
February	270	7,294	11,408	933
March	63	6,662	9,424	927
April	44	3,985	4,787	653
May	37	1,691	4,499	431
June	57	1,835	5,209	397
July	62	2,826	5,376	354
August	470	5,234	7,524	341
September	685	9,724	16,902	1,404
October	895	8,967	21,589	1,197
November	940	8,651	25,709	1,946
December	681	9,542	24,884	1,865
1993 —				
January	685	7,736	17,870	1,604
February	541	8,236	11,950	1,108
March	225	9,470	11,436	811
April	47	5,038	7,817	1,079
1991-92: July to Apr.	2,481	63,920	136,842	10,043
1992-93: July to Apr.	5,231	75,424	151,057	11,709

(a) Includes infants' milk powder, malted milk etc. (b) Includes flavoured yoghurt. (c) Source: Australian Dairy Corporation.

TABLE 2. ICE CREAM AND OTHER EDIBLE ICE
('000 litres)

Period	Ice cream(a)				Other frozen confections			
	Over 4 litres		Milk ices(b)		Milk based mixtures for soft serves and thick shakes(c)			
	Up to and incl. 200mls (021.04)	Over 200mls but under 4 litres (021.05)	For home consumption (022.34)	Other (022.35)	Up to and incl. 200mls (022.36)	Over 200mls (022.37)	Water ices, fruit ices (022.39)	(098.82)
1989-90	26,851	79,449	71,921	18,900	21,161	29,246	13,585	18,972
1990-91	24,254	76,588	71,767	19,745	21,394	34,616	13,405	19,525
1991-92	24,117	81,963	68,384	20,386	19,156	31,758	11,940	20,914
1992 —								
March	1,906	7,981	6,023	1,586	1,864	2,731	776	1,831
April	1,590	6,049	5,912	1,312	1,342	2,738	623	2,154
May	2,245	6,220	4,541	1,464	1,398	2,391	499	1,391
June	964	3,851	3,391	1,179	896	1,569	266	1,365
July	1,172	4,946	4,282	1,371	1,540	1,930	396	1,754
August	1,457	7,329	3,981	1,282	1,947	2,516	552	1,469
September	2,461	6,618	6,282	1,367	2,003	2,506	951	2,041
October	2,641	6,977	6,380	1,549	1,912	2,804	1,090	1,849
November	2,274	6,799	6,218	1,802	1,640	3,147	1,224	2,067
December	2,586	8,475	6,210	2,158	1,955	2,824	1,190	2,089
1993 —								
January	2,602	7,701	6,284	2,349	1,804	3,066	1,527	1,778
February	2,485	8,484	6,852	1,767	2,425	3,198	1,578	1,873
March	2,750	8,900	7,090	1,674	2,085	2,643	1,369	1,955
April	1,455	5,689	4,797	1,403	966	2,357	437	1,693
May	1,230	5,442	3,998	1,303	967	1,823	489	1,705
1991-92 July to May	23,153	78,112	64,994	19,207	18,260	30,189	11,674	19,550
1992-93 July to May	23,112	77,340	62,374	17,993	19,244	28,814	10,803	20,302

(a) Ice cream/aerated milk based confections containing 10 per cent or more butter fat. (b) Includes aerated milk based confections containing less than 10 per cent butter fat. (c) Powdered mix is included in terms of liquid mix equivalent.

TABLE 3. BUTTER AND MARGARINE
(tonnes)

Period	Butter plus direct butteroil(a)						Margarine	
	NSW	Vic.	Qld	SA	WA	Tas.	Australia	Other (091.03)
1989-90	1,106	90,071	4,195	2,396	1,339	5,051	104,158	112,533
1990-91	971	92,850	3,608	1,582	1,477	5,381	105,870	119,123
1991-92	1,415	94,326	3,424	1,248	2,046	5,589	108,048	116,726
1992 —								
February	156	8,584	311	90	166	527	9,834	9,935
March	149	7,554	342	64	142	604	8,855	9,287
April	137	5,728	244	164	148	434	6,855	9,016
May	80	4,292	214	163	133	418	5,300	9,680
June	227	4,042	411	147	220	299	5,346	9,087
July	271	3,016	346	142	293	272	4,341	11,746
August	198	5,066	391	103	278	259	6,295	9,933
September	285	10,522	479	137	249	395	12,067	9,824
October	309	14,414	519	114	283	680	16,318	11,266
November	335	11,032	485	155	221	766	17,904	9,506
December	240	15,259	598	179	169	651	17,096	9,292
1993 —								
January	364	11,461	772	88	183	667	13,535	5,687
February	261	8,938	496	57	166	500	10,417	7,169
March	256	8,358	531	72	153	746	10,116	11,057
April	252	5,999	517	70	200	406	7,444	10,429
1991-92 July to Apr.	1,108	85,992	2,799	938	1,693	4,872	97,402	97,558
1992-93 July to Apr.	2,771	99,065	5,134	1,117	2,195	5,342	115,623	95,999

(a) Source: Australian Dairy Corporation

TABLE 4. CHEESE: STATES(a)
(tonnes)

Period	NSW	Vic.	Qld	SA	WA	Tas.	Australia
1989-90	14,165	103,251	12,842	22,774	4,129	18,172	175,333
1990-91	13,330	104,515	12,397	24,522	5,258	19,413	179,432
1991-92	14,180	123,069	11,885	23,494	5,380	20,021	198,032
1992 —							
February	1,174	11,762	1,124	1,258	102	2,029	17,450
March	954	9,859	1,016	829	234	1,623	14,515
April	901	8,188	869	1,453	270	1,065	12,746
May	856	5,784	874	1,779	457	904	10,654
June	893	4,103	882	1,862	596	256	8,592
July	1,045	5,423	1,016	2,119	585	122	10,310
August	1,225	8,131	1,085	2,363	633	459	13,898
September	1,503	13,855	1,072	2,569	638	1,583	21,220
October	1,878	16,477	995	3,263	635	2,992	26,241
November	1,811	15,148	979	2,986	424	2,962	24,310
December	1,979	13,401	1,118	2,252	299	2,675	21,725
1993 —							
January	1,536	14,275	1,096	2,385	254	2,573	22,120
February	1,256	10,634	1,118	1,677	303	1,770	16,757
March	1,345	10,848	1,335	1,461	407	1,379	16,575
April	1,389	9,323	871	1,469	523	1,470	15,045
1991-92: July to Apr.	12,431	113,182	10,129	19,853	4,327	18,861	178,786
1992-93: July to Apr.	14,967	117,515	10,485	22,544	4,701	17,985	188,201

(a) Source: Australian Dairy Corporation

TABLE 5. CHEESE: TYPES(a)
(tonnes)

Period	Cheddar and cheddar types(b)	Round eye(c)	Shredding(d)	Hard grating(e)	Fresh(f)	Other(g)
1989-90	116,702	7,453	20,361	5,336	17,074	8,405
1990-91	118,389	6,526	22,209	6,248	18,923	7,134
1991-92	130,270	6,548	26,089	8,410	20,003	6,359
1992 —						
February	11,655	515	2,282	836	1,640	522
March	8,904	547	1,950	922	1,567	625
April	7,973	410	1,575	400	1,654	734
May	5,685	318	2,460	253	1,635	302
June	4,233	323	1,929	397	1,274	437
July	6,027	193	r 1,858	540	1,325	367
August	8,896	363	r 1,721	724	1,568	626
September	14,738	665	2,434	780	2,018	584
October	18,676	1,095	2,405	1,295	2,211	560
November	17,050	852	r 2,753	1,197	1,877	581
December	14,764	914	r 2,797	981	1,727	532
1993 —						
January	15,159	1,095	r 2,291	1,264	1,806	504
February	10,230	594	r 2,458	1,141	1,747	581
March	9,715	578	2,862	891	2,047	482
April	8,966	589	2,104	557	1,956	873
1991-92: July to Apr.	120,352	5,907	21,700	7,760	17,094	5,620
1992-93: July to Apr.	124,221	6,938	23,683	9,380	18,282	5,696

(a) Source: Australian Dairy Corporation. (b) Includes Cheddar, Cheshire, Cheddar, Colby, Dunlop, Numbin, Leicester, Gloucester and Stilton. (c) Includes Edam, Gouda, Swiss, Samsoe, Fontina, Tilsit, Raclette, Emmentaler and Vacherin. (d) Includes Gouda, Mozzarella and Pizza. (e) Includes Parmesan, Pecorino, Romano, Sardo and other hard types. (f) Includes Cottage, Ricotta, Cream, Neufchâtel, Bakers, Mascarpone and Quark. (g) Includes Blue Vein, Brie, Camembert, Feta, Havarti, Skim, Cheese Curd, Haloumi and Provolone.

TABLE 6. PREPARED OR PRESERVED VEGETABLES
(tonnes)

Period	Not pickled				Pickled					Total prepared or preserved vegetables pickled and not pickled
	Fresh vegetable salads(a) (054.30)	Frozen vegetables (054.60) (056.60)	Tomato pulp, puree and paste (056.73)	Other (056.72) (87.88.89)	Cucumber (056.81)	Gherkins (056.82)	Olives (056.83)	Onions (056.84)	Other (056.85)	
1989-90	2,183	277,138	31,844	134,633	2,598	2,154	727	3,087	2,619	456,984
1990-91	1,736	269,143	31,985	134,020	1,667	2,059	746	2,792	1,964	446,110
1991-92	1,538	286,069	27,808	133,789	1,681	2,809	943	2,997	1,768	459,402
1992 —										
March	133	30,649	8,310	20,508	420	96	84	271	111	60,582
April	133	24,587	3,656	11,489	142	142	89	240	283	40,762
May	105	22,244	n.p.	6,401	n.p.	108	44	210	137	30,605
June	81	n.p.	1,208	7,418	n.p.	145	60	206	150	36,855
July	51	25,214	1,362	9,982	n.p.	128	58	98	n.p.	37,013
August	55	20,664	2,046	8,660	n.p.	145	110	192	n.p.	32,002
September	71	20,621	2,036	10,321	n.p.	138	79	198	n.p.	33,608
October	103	18,849	363	11,586	n.p.	311	81	239	n.p.	31,653
November	144	11,529	1,194	7,740	22	180	107	337	158	21,412
December	199	15,698	394	7,180	n.p.	238	175	199	n.p.	24,173
1993 —										
January	189	23,262	897	8,870	219	132	63	199	64	33,894
February	146	21,550	6,137	12,856	384	136	53	215	144	41,621
March	101	30,064	7,188	16,252	341	119	85	278	177	54,605
April	79	27,859	8,813	17,849	95	176	65	214	368	55,517
May	53	29,973	2,849	6,763	n.p.	190	133	169	n.p.	40,407
1991-92: July to May	1,457	258,501	n.p.	126,371	n.p.	2,664	884	2,790	1,618	422,547
1992-93: July to May	1,189	245,282	33,281	118,060	n.p.	1,893	1,009	2,339	n.p.	405,902

(a) In plastic or similar containers.

TABLE 7. HAM AND BACON AND CANNED MEAT
(tonnes)

Period	Canned meat for human consumption(a)		Ham, bacon or other dried, salted or smoked pig meat(b)	
	Corned beef (016.83)	Mixed meat and vegetable (017.74)	Bacon or ham (017.76)	Ham, shoulders and cuts thereof with bone in (016.11)
1989-90	3,656	10,570	n.p.	15,744
1990-91		17,380		19,774
1991-92		16,113		23,685
1992 —				
March		1,508		1,825
April		1,283		1,925
May		1,362		1,335
June		1,651		1,430
July		1,178		1,671
August		1,242		1,567
September		1,209		1,798
October		1,185		2,478
November		1,465		3,381
December		1,293		4,209
1993 —				
January		948		1,395
February		1,334		1,569
March		1,849		1,707
April		1,140		1,572
May		1,632		1,384
1991-92: July to May		14,461		22,255
1992-93: July to May		14,474		22,730

(a) Stated net weight of packs. (b) Excludes canned and ham paste.

TABLE 8. FISH, CRUSTACEANS AND MOLLUSCS
(tonnes)

Period	Prepared or preserved crustaceans and molluscs (excl. oysters)									
	Crustaceans (chilled or frozen)(a)					Molluscs and aquatic invertebrates				
	Prepared or preserved fish products		Rock lobster and crayfish			Chilled, frozen, dried, salted or in brine(c)				Abalone otherwise preserved (037 23)
	Fish fillets frozen (034 40)	Fish canned(b) (037 18)	Shrimps and prawns (036 12)	Tails (036 14)	Whole (036 13)	Other (036 15)	Abalone (036 34)	Scallops (036 36)	Other (036 38)	
1989-90	4,322	7,581	7,269	2,534	4,923	118	500	859	206	1,226
1990-91	3,956	6,514	8,795	1,476	5,824	230	312	1,111	161	1,389
1991-92	2,027	7,022	6,581	1,998	6,955	148	297	1,931	398	1,219
1992 —										
March	166	789	291	281	1,457	7	18	74	31	94
April	123	704	690	291	1,115	8	35	112	36	138
May	121	492	737	160	462	8	40	182	77	107
June	155	529	687	90	279	4	30	236	61	51
July	205	416	692	2	5	4	41	235	27	85
August	201	531	633	n.p.	2	3	27	296	14	78
September	111	524	738	—	1	8	23	311	24	43
October	94	458	683	5	10	4	44	384	36	77
November	76	511	400	32	271	7	15	404	27	60
December	68	445	229	694	2,012	5	15	230	52	53
1993 —										
January	67	455	44	359	384	10	7	106	52	71
February	69	460	40	155	538	6	28	85	64	112
March	91	697	297	r 215	r 1,067	14	19	66	68	130
April	100	624	668	252	923	8	35	155	85	108
May	109	449	743	94	479	14	21	138	64	87
1991-92: July to May	1,872	6,493	5,894	1,908	6,676	144	267	1,695	337	1,167
1992-93: July to May	1,190	5,569	5,167	n.p.	5,691	83	276	2,414	513	903

(a) Excludes live crustaceans. (b) Excludes canned pet food. (c) Shelled weight.

TABLE 9. BISCUITS AND CONFECTIONERY
(tonnes)

Period	Biscuits (excl. dog biscuits)(a)		Confectionery				
	Sweet(c) (048 42)	Other (048 44)	Chocolate or containing chocolate(b) (073 80)			Other (062 26)	
			Original	Seas adj (d)	Trend(e)	Original	Seas adj (d)
1989-90	87,803	46,071	94,035	..	..	59,926	..
1990-91	82,312	48,988	94,628	..	..	60,317	..
1991-92	83,155	55,897	95,809	..	..	61,484	..
1992 —							
March	7,725	4,862	8,709	7,535	7,733	5,703	5,332
April	6,232	4,532	8,191	8,021	7,772	4,045	4,959
May	7,166	4,552	8,279	7,749	7,986	4,881	4,817
June	7,112	4,343	8,064	7,921	8,317	5,357	5,087
July	8,409	5,057	9,873	8,966	8,616	5,827	5,255
August	7,965	4,883	9,655	9,492	8,811	6,373	5,842
September	7,479	5,477	9,189	8,884	8,933	6,150	5,412
October	7,557	5,039	9,149	8,306	8,998	5,583	5,499
November	7,575	5,074	8,909	8,968	r 8,968	6,062	5,365
December	5,710	4,867	8,081	8,831	r 8,849	5,220	5,870
1993 —							
January	4,133	3,503	5,004	9,601	r 8,697	2,862	5,892
February	6,532	4,534	8,502	8,367	r 8,526	4,850	5,021
March	7,391	5,361	9,462	7,840	r 8,337	5,737	5,201
April	6,686	4,264	7,842	7,691	r 8,175	4,619	5,679
May	7,021	4,300	8,803	8,584	8,024	5,414	5,392
1991-92: July to May	76,044	51,554	87,745	..	..	56,127	..
1992-93: July to May	76,458	52,358	84,468	..	..	58,697	..

(a) Includes biscuits coated with chocolate or other confectionery. (b) All chocolate confectionery including chocolate centred items, chocolate confectionery bars and compound chocolate, but not including chocolate sold for manufacturing purposes. (c) Includes waffles, wafers and gingerbread. (d) See paragraph 5, Explanatory Notes. (e) See paragraph 6 to 8, Explanatory Notes.

TABLE 10. CEREAL PRODUCTS
(tonnes)

Period	Wheat gluten (592.17)	Rice, husked, broken, semi- milled or wholly milled (042.40)	Wheat flour, other than self- raising (046.12)	Groats meals and pellets of wheat for human consumption (046.21)	Maize (corn) flour (047.11)	Starch (592.11.18)
1989-90	47,342	409,868	1,230,403	124,778	n.p.	220,198
1990-91	43,899	489,878	1,227,151	135,704	n.p.	214,058
1991-92	44,577	763,398	1,213,674	138,585	n.p.	220,406
1992 —						
March	3,828	33,516	99,643	11,964	n.p.	18,139
April	4,150	68,746	102,894	12,702	n.p.	19,409
May	3,764	83,891	100,145	11,882	n.p.	18,779
June	3,907	87,554	98,035	12,084	n.p.	19,238
July	4,327	72,412	107,835	13,003	n.p.	21,386
August	4,136	61,897	106,235	11,204	n.p.	23,718
September	3,867	67,393	108,574	10,082	n.p.	19,830
October	4,550	69,262	110,030	10,206	n.p.	22,851
November	4,121	85,123	105,506	9,875	n.p.	21,724
December	3,663	94,146	99,383	9,423	n.p.	17,083
1993 —						
January	4,081	72,068	99,355	8,346	n.p.	20,220
February	4,386	70,401	102,896	10,341	n.p.	23,663
March	3,982	70,540	106,058	10,181	n.p.	20,678
April	4,567	42,750	105,701	8,877	n.p.	22,342
May	4,435	70,500	112,370	8,289	n.p.	20,718
1991-92: July to May	40,670	675,844	1,115,639	126,501	n.p.	201,167
1992-93: July to May	46,116	776,492	1,163,943	109,827	n.p.	234,214

TABLE 10. CEREAL PRODUCTS—continued
(tonnes)

Period	Glucose(a) and glucose syrup (061.97)	Prepared foods obtained by the swelling or roasting of cereals or cereal products (048.11)	Other worked cereal grains(b) for human consumption (048.16)	Mixed and doughs for the preparation of bakers' wares (048.50)	Pasta		
					Not cooked or prepared (048.30)	Cooked or stuffed	
						Canned (098.95)	Other (098.96)
1989-90	102,142	102,048	43,836	87,906	42,853	23,627	1,376
1990-91	84,720	109,335	57,184	105,343	40,617	21,911	1,701
1991-92	72,381	112,881	53,999	112,622	42,874	19,610	2,197
1992 —							
March	6,137	11,494	4,745	9,542	3,508	891	203
April	6,036	8,025	5,138	9,815	3,179	1,159	198
May	6,187	10,016	5,138	9,952	3,719	1,617	208
June	5,692	10,053	6,268	9,742	3,429	1,385	215
July	6,942	10,227	4,857	8,882	4,270	1,781	220
August	7,179	9,918	3,834	9,467	4,387	1,745	212
September	6,733	8,986	6,740	9,668	3,862	1,241	203
October	7,476	9,569	3,997	9,843	4,592	766	204
November	6,757	9,499	5,132	9,364	4,109	1,245	168
December	5,954	9,077	3,709	9,310	3,728	1,286	201
1993 —							
January	5,798	7,444	2,475	8,808	2,926	944	169
February	6,825	9,575	2,942	9,534	3,699	1,325	199
March	6,910	10,907	3,983	9,988	4,283	1,250	212
April	6,218	8,651	4,907	8,806	4,791	1,339	210
May	6,067	9,922	5,498	7,178	4,314	784	206
1991-92: July to May	66,688	102,848	47,731	102,880	39,445	18,225	1,983
1992-93: July to May	72,858	103,775	48,074	100,848	44,961	13,706	2,205

(a) Expressed as 43 degrees Baume. Includes dextrose. (b) e.g. hulled, pearled, clipped, sliced, kibbled, milled, flaked or further prepared.

TABLE 11. TOMATO SAUCE, JAM AND PRESERVED FRUIT

Period	Tomato sauce (098.42)	Jam(a) (058.12)	Fruit jelly, puree and paste(b) (058.11)	Fruit, otherwise prepared or preserved					Total
				Apples (058.51)	Apricots (058.52)	Peaches (058.53)	Mixed fruit(c) (058.56)	Other (058.54, 55.57)	
	'000 litres	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
1989-90	34,587	31,325	7,080	11,861	8,441	38,897	30,423	65,264	154,887
1990-91	34,302	30,153	6,092	10,552	8,831	30,995	32,769	73,560	156,707
1991-92	30,937	31,970	n.p.	9,907	n.p.	37,362	40,621	n.p.	173,448
1992 —									
March	3,725	2,178	457	523	—	17,119	19,351	20,022	57,016
April	2,421	2,634	258	847	—	1,215	1,704	11,250	15,016
May	2,128	2,421	57	2,365	n.p.	—	n.p.	6,794	9,335
June	3,128	4,209	n.p.	1,909	—	—	n.p.	n.p.	6,455
July	5,032	3,127	n.p.	933	—	—	n.p.	n.p.	2,208
August	2,092	2,834	398	776	—	—	n.p.	n.p.	2,511
September	3,299	2,780	18	911	—	—	n.p.	n.p.	7,103
October	3,139	2,033	88	428	—	—	n.p.	n.p.	4,517
November	2,894	2,526	54	461	—	—	n.p.	n.p.	2,411
December	1,441	2,281	81	451	n.p.	—	n.p.	1,120	1,929
1993 —									
January	1,217	2,042	n.p.	382	9,315	n.p.	45	1,044	10,808
February	2,603	2,809	n.p.	382	—	n.p.	8,297	21,868	36,265
March	3,982	2,868	n.p.	641	—	n.p.	21,199	25,743	69,060
April	r 3,786	r 2,520	n.p.	2,740	—	n.p.	r 4,437	r 15,299	r 25,794
May	1,729	2,802	n.p.	2,549	—	—	54	n.p.	9,466
1991-92: July to May	27,810	27,761	n.p.	7,998	n.p.	n.p.	n.p.	71,962	166,993
1992-93: July to May	31,214	28,621	n.p.	10,656	n.p.	n.p.	35,250	n.p.	172,073

(a) Includes conserves, fruit spreads, fruit butter etc. (b) Includes apple sauce. (c) Includes fruit salad.

TABLE 12. MALT, ALE AND BEER

Period	Ale, beer and stout(a)							
	Finished malt (all kinds) (048.20)	Bulk (112.33)	Canned (112.34)	Bottled (112.35)	Total			Extra light beer(d)
					Original	Seasonally adjusted(b)	Trend(c)	
	'000 tonnes	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres
1989-90	623,823	550,428	580,681	807,941	1,939,050	..	..	10,154
1990-91	605,260	527,496	595,587	792,390	1,915,482	..	..	7,832
1991-92	579,279	504,130	551,816	806,358	1,862,304	..	..	6,075
1992 —								
March	39,037	43,901	46,765	72,317	162,983	157,830	150,901	453
April	43,450	42,679	44,931	62,135	149,745	153,431	151,392	325
May	56,506	36,120	36,727	56,204	129,051	148,528	152,223	489
June	48,518	39,638	36,121	55,065	130,824	150,435	152,687	547
July	46,879	42,028	39,861	63,202	145,981	153,665	152,280	128
August	49,850	39,337	40,683	56,604	136,624	155,230	150,966	392
September	43,558	41,992	38,155	57,759	137,905	149,953	149,708	300
October	44,379	42,946	48,444	76,521	167,911	148,465	148,609	485
November	50,738	41,461	50,323	84,222	176,007	143,512	r 147,785	777
December	42,869	50,279	49,519	88,101	187,899	144,684	r 147,830	198
1993 —								
January	48,374	33,348	38,070	68,007	139,424	150,675	r 148,930	1,830
February	44,680	37,786	40,682	64,868	143,337	160,705	r 150,558	230
March	44,252	41,785	40,151	68,259	150,196	139,237	r 152,108	75
April	37,432	42,680	45,336	66,170	154,186	158,672	r 153,469	101
May	46,479	37,487	34,628	65,139	137,255	155,163	154,807	n.p.
1991-92: July to May	530,761	464,492	515,695	751,293	1,731,480	..	..	5,528
1992-93: July to May	499,490	451,129	465,853	758,853	1,675,835	..	..	n.p.

(a) Excludes extra light beer containing less than 1.15 per cent but more than 0.5 per cent by volume of alcohol. (b) See paragraph 5, Explanatory Notes. (c) See paragraph 6 to 8, Explanatory Notes. (d) Containing less than 1.15 per cent but more than 0.5 per cent by volume of alcohol.

TABLE 13. MINERAL WATERS AND AERATED WATERS
(*000 litres)

Period	Canned and bottled (111 05 06 07 11 12 13)						Bulk pre-mix (111.08)	Post-mix concentrates(a) (111.09)
	NSW	Vic.	Qld	WA	SA and NT	Tas.		
1989-90	472,441	384,536	297,295	140,679	152,330	22,232	1,469,513	1,019
1990-91	472,523	389,889	301,387	145,679	140,760	20,148	1,470,386	n.p.
1991-92	537,345	344,671	314,777	147,249	n.p.	n.p.	1,496,532	468
1992 —								
March	45,010	31,506	23,668	n.p.	n.p.	1,952	127,600	n.p.
April	44,342	20,251	18,870	n.p.	n.p.	1,479	108,243	n.p.
May	37,446	21,046	19,196	n.p.	n.p.	698	96,659	n.p.
June	32,894	17,798	22,325	6,619	n.p.	n.p.	87,658	n.p.
July	29,877	21,728	18,457	6,961	n.p.	n.p.	85,506	41
August	42,067	25,266	15,877	10,416	n.p.	n.p.	105,639	n.p.
September	48,973	27,678	25,792	12,332	n.p.	n.p.	126,536	n.p.
October	46,749	32,271	30,855	11,892	n.p.	n.p.	132,281	67
November	45,890	30,204	30,435	16,719	n.p.	n.p.	138,981	36
December	60,448	35,297	40,265	23,946	n.p.	n.p.	178,585	36
1993 —								
January	52,311	32,904	27,805	12,033	n.p.	n.p.	139,873	67
February	59,063	35,333	29,583	11,235	n.p.	n.p.	149,015	n.p.
March	48,144	33,972	32,816	17,550	n.p.	n.p.	145,127	n.p.
April	38,746	22,764	19,833	12,203	n.p.	n.p.	106,099	22
May	38,096	25,731	20,084	6,802	n.p.	n.p.	102,349	n.p.
1991-92: July to May	504,452	326,872	292,451	n.p.	n.p.	18,030	1,408,873	n.p.
1992-93: July to May	510,363	323,149	291,801	142,089	n.p.	n.p.	1,409,992	n.p.

(a) Production represents 'ready to drink' or 'finished beverage' litres.

TABLE 13. MINERAL WATERS AND AERATED WATERS—continued
(*000 litres)

Period	Canned(a) (111 05 11)				Other States	Australia
	NSW	Vic.	Qld			
1989-90	129,155	n.p.	110,791	n.p.	457,807	
1990-91	n.p.	n.p.	117,614	106,364	468,025	
1991-92	154,961	95,037	119,439	104,813	474,219	
1992 —						
March	n.p.	n.p.	8,544	10,625	43,883	
April	n.p.	n.p.	5,503	9,317	33,719	
May	11,730	3,649	8,243	7,626	31,247	
June	10,240	5,807	9,684	4,919	30,649	
July	7,655	6,159	5,728	5,212	24,754	
August	11,647	7,434	6,399	6,308	31,784	
September	14,836	5,121	9,513	7,736	37,206	
October	13,544	8,680	11,096	7,983	41,304	
November	13,510	8,652	9,318	11,690	43,170	
December	18,381	11,949	13,382	16,269	59,981	
1993 —						
January	13,553	9,005	7,773	8,496	38,828	
February	17,691	8,765	7,857	8,235	42,549	
March	14,991	10,926	12,395	10,715	49,027	
April	11,781	7,757	7,848	10,378	37,765	
May	11,291	6,918	6,992	5,915	31,116	
1991-92: July to May	n.p.	n.p.	109,755	99,894	443,570	
1992-93: July to May	148,880	91,367	98,302	98,934	437,483	

(a) From July 1989 to June 1990 excludes mineral waters and aerated waters not containing added sugar, sweetener or flavouring.

TABLE 13. MINERAL WATERS AND AERATED WATERS—continued
(⁰⁰⁰ litres)

Period	Bottled(a)									
	Returnable (111.06.12)					Non-returnable (111.07.13)				
	NSW	Vic.	Qld	Other States	Australia	NSW	Vic.	Qld	Other States	Australia
1989-90	n.p.	n.p.	23,740	95,694	172,743	n.p.	n.p.	149,057	107,355	786,338
1990-91	n.p.	n.p.	18,875	86,537	160,083	323,492	240,201	164,897	113,686	842,277
1991-92	13,572	34,149	12,829	80,297	140,847	368,812	215,515	182,509	114,629	881,465
1992 —										
March	n.p.	n.p.	991	6,611	12,346	28,676	18,382	14,133	10,181	71,372
April	n.p.	n.p.	1,053	6,894	12,101	31,816	9,724	12,314	8,568	62,423
May	1,258	2,309	746	4,595	8,908	24,458	15,088	10,207	6,750	56,504
June	1,053	1,957	779	3,130	6,919	21,600	10,034	11,863	6,592	50,069
July	1,256	2,780	797	4,001	8,834	20,965	12,790	11,933	6,231	51,919
August	1,171	2,024	483	6,533	10,211	29,250	15,807	8,996	9,591	63,645
September	1,412	2,762	1,147	4,858	10,180	32,725	19,795	15,132	11,498	79,150
October	1,490	2,695	1,056	4,732	9,974	31,714	20,896	18,702	9,691	81,003
November	1,738	3,293	939	7,608	13,577	30,642	18,259	20,177	13,155	82,234
December	1,748	3,605	1,655	8,833	15,842	40,318	19,744	25,228	17,473	102,763
1993 —										
January	1,934	3,616	962	6,311	12,822	36,824	20,283	19,069	12,046	88,223
February	1,863	3,321	868	5,724	11,777	39,509	23,247	20,857	11,077	94,690
March	1,641	3,108	1,218	6,393	12,360	31,512	19,938	19,203	13,087	83,740
April	1,278	2,832	946	4,521	9,576	25,687	12,175	11,039	9,857	58,758
May	1,563	2,514	509	4,576	9,162	25,242	16,299	12,582	7,948	62,071
1991-92: July to May.	n.p.	n.p.	12,050	77,167	133,928	347,211	205,481	170,646	108,037	831,375
1992-93: July to May.	17,094	32,549	10,581	64,091	124,314	344,389	199,232	182,919	121,654	848,194

(a) From July 1989 to June 1990 excludes mineral waters and aerated waters not containing added sugar, sweetener or flavouring.

TABLE 14. COFFEE, PEANUT BUTTER AND FLAVOURING ESSENCES, MAYONNAISE AND SALAD DRESSINGS

Period	Coffee		Peanut butter (058.42)	Industrial flavouring essences (098.88)	Mayonnaise and salad dressing (098.47)
	Roasted(a)	Instant			
	(071.20)	(071.34)			
	tonnes	tonnes	tonnes	⁰⁰⁰ litres	tonnes
1989-90	3,709	8,657	8,096	8,509	20,994
1990-91	3,306	8,515	8,860	7,111	22,681
1991-92	3,105	n.p.	9,248	7,512	21,102
1990 —					
June qtr	939	2,346	2,022	1,589	2,917
September qtr	790	2,259	2,665	1,794	6,660
December qtr	771	2,144	1,897	1,726	8,149
1991 —					
March qtr	833	1,880	1,897	1,960	4,576
June qtr	912	2,232	2,402	1,632	3,297
September qtr	813	n.p.	2,616	1,820	7,367
December qtr	773	2,298	2,560	2,137	7,062
1992 —					
March qtr	741	1,705	1,818	2,026	3,451
June qtr	778	2,337	2,254	1,529	3,223
September qtr	828	n.p.	3,326	1,762	5,752
December qtr	912	n.p.	2,853	1,881	5,790
1993 —					
March qtr	532	2,044	2,182	1,798	5,108
1991-92: July to Mar.	2,327	n.p.	6,994	5,983	17,879
1992-93: July to Mar.	2,272	n.p.	8,361	5,442	16,650

(a) Whether or not decaffeinated or ground.

TABLE 15. CORDIALS AND SYRUPS, SINGLE-STRENGTH FRUIT JUICES AND OTHER DRINKS ('000 litres)

Period	Non-alcoholic drinks(c)						
	Wine based mixed drinks(a) (112.19)	Fruit juices, unfermented and not containing added spirit (single strength)(b)		Containing at least 25 per cent by volume of pure fruit or vegetable juice (111.18)	Containing less than 25 per cent by volume of pure fruit or vegetable juice(d) (111.19)	Fruit juice cordials and syrups(e) (098.79)	Other cordials and syrups (098.81)
		Citrus (059.40)	Apple (059.61)				
1989-90	12,512	171,967	50,478	130,794	n.p.	144,420	74,485
1990-91	10,123	127,786	55,164	134,866	n.p.	148,849	25,690
1991-92	10,269	121,539	46,862	151,063	n.p.	104,243	20,519
1992 —							
March	395	7,476	5,261	13,788	n.p.	7,723	1,491
April	515	4,853	10,562	11,232	n.p.	5,733	1,379
May	702	4,501	10,483	9,396	n.p.	6,993	1,146
June	460	9,286	5,484	12,037	n.p.	6,085	1,282
July	75	12,136	4,445	12,422	n.p.	7,165	1,217
August	190	12,953	2,739	9,531	n.p.	7,174	1,508
September	811	13,454	2,679	12,204	n.p.	10,232	2,023
October	1,030	14,327	2,681	11,476	n.p.	10,753	1,827
November	1,023	13,718	2,858	11,468	n.p.	10,119	1,531
December	1,804	20,329	2,375	13,408	n.p.	9,255	1,588
1993 —							
January	472	21,255	1,634	11,556	n.p.	10,266	1,828
February	346	20,052	2,173	11,932	n.p.	13,354	2,203
March	331	16,994	5,299	12,910	n.p.	11,489	2,193
April	350	16,501	10,509	11,514	n.p.	6,201	1,363
May	549	14,062	13,145	11,271	n.p.	4,832	1,115
1991-92: July to May	9,809	112,253	41,379	139,077	n.p.	98,158	19,236
1992-93: July to May	6,981	175,782	50,537	129,492	n.p.	101,033	18,395

(a) Containing more than 0.5 per cent by volume of alcohol, commonly known as 'coolers'. (b) Includes fruit juice used for concentrating and for making other products such as fruit drinks, soft drinks, etc. (c) Excludes fruit and vegetable juices, mineral waters and flavoured whole milk drinks. (d) Includes drinks with no fruit or vegetable juice content. (e) Contains at least 25 per cent by volume of pure fruit juice.

TABLE 16. STOCK AND POULTRY FOOD (tonnes)

Period	Grazing meals and pellets of wheat		Sharps and other residues of wheat or rye (b)	Prepared stock and poultry feeds(a)				
	Bran (from wheat) (081.21)	of wheat (046.22)	(081.22)	Poultry pellets and crumbles (081.91)	Poultry mash (081.92)	Pig feed (081.93)	Cattle (incl. dairy) feed (081.96)	Other (081.97)
1989-90	85,183	n.p.	381,091	1,675,024	117,375	743,418	403,040	284,021
1990-91	73,774	n.p.	386,846	1,648,087	114,950	649,157	407,970	233,204
1991-92	82,207	59,379	391,426	1,663,459	107,241	634,101	471,508	226,144
1992 —								
March	8,352	3,529	31,824	129,948	8,371	54,187	29,104	18,390
April	8,159	3,495	31,986	149,311	9,475	55,366	33,157	23,488
May	8,970	2,860	30,608	134,676	9,049	53,723	33,135	19,703
June	8,797	3,797	29,546	132,922	9,682	55,443	34,338	14,856
July	8,667	3,870	33,939	160,289	9,939	55,666	40,395	23,329
August	9,477	3,553	31,324	136,261	9,070	50,052	41,515	21,248
September	8,918	4,105	31,717	136,745	9,727	53,237	43,529	13,875
October	7,823	3,680	36,203	163,576	9,807	53,495	44,357	16,000
November	8,914	3,435	32,874	146,915	9,444	47,758	38,002	17,924
December	8,060	3,967	28,773	142,722	9,031	53,532	37,679	13,023
1993 —								
January	8,466	4,223	30,041	159,235	8,452	51,490	33,901	16,530
February	8,502	3,775	30,207	136,488	7,617	48,324	32,259	10,921
March	10,910	n.p.	26,725	137,842	9,398	55,835	35,938	19,261
April	11,046	n.p.	29,522	159,007	9,558	56,706	43,447	18,074
May	10,054	n.p.	31,349	142,369	8,566	53,672	47,226	14,562
1993: May								
New South Wales	5,759	n.p.	12,507	55,222	2,703	19,554	11,240	3,724
Victoria	n.p.	—	8,191	39,440	—	n.p.	5,705	1,227
Other States	n.p.	n.p.	10,651	47,707	5,863	n.p.	30,281	9,570
1991-92: July to May	73,529	55,582	361,880	1,530,537	97,559	578,658	437,170	211,288
1992-93: July to May	100,837	n.p.	342,674	1,622,344	100,609	579,767	438,248	184,747

(a) Includes concentrated feeds. Excludes straight mixtures of cereals and mixed crushed grain. (b) Includes wheat pollard, crushed wheat, and rye offal.

TABLE 17. TALLOW, MEALS AND SUNFLOWER SEED OIL
(tonnes)

Period	Tallow (incl. dripping)			Meals, flours and pellets of meat or meal offal(a)	Oil cake and other solid residues resulting from the extraction of oils and fats	Sunflower seed oil and its fractions not chemically modified	Crude oil (421 52)	Refined (421 33)
	Rendered		Refined (411 38)					
	Edible (411 42)	Inedible (411 43)						
1989-90	70 880	343 285	99 391	446 048	101 097	79 363	62 634	36 904
1990-91	77 792	335 902	95 685	456 227	105 331	54 620	54 088	35 124
1991-92	70 307	331 465	91 297	456 266	70 843	55 642	59 936	45 558
1992 —								
March	6 977	29 852	7 962	42 178	6 399	2 381	3 650	3 771
April	6 432	30 696	8 980	40 510	3 220	4 112	3 786	4 291
May	5 513	26 832	8 201	37 305	7 444	6 399	6 942	4 842
June	6 040	27 620	7 630	37 685	5 707	n.p.	4 852	3 756
July	6 059	27 046	9 810	36 686	5 937	4 481	4 846	5 249
August	4 819	25 805	7 712	34 462	6 364	3 128	3 557	3 838
September	6 090	29 903	7 794	43 841	5 690	4 454	5 371	4 999
October	6 194	29 874	9 646	40 093	4 071	3 938	4 235	4 415
November	6 784	30 756	7 868	40 158	5 313	4 197	5 158	4 260
December	6 555	38 213	6 637	37 493	5 311	n.p.	3 573	4 322
1993 —								
January	5 733	24 426	6 848	33 705	5 017	n.p.	3 298	3 746
February	5 754	28 621	7 415	35 511	5 334	n.p.	2 703	3 961
March	7 618	32 349	7 777	42 749	3 713	5 183	6 477	4 362
April	6 553	28 933	9 561	40 940	5 107	2 486	2 883	3 916
May	5 682	30 343	8 022	39 947	7 573	4 402	5 058	4 039
1991-92: July to May	64 267	303 844	83 667	418 580	65 136	n.p.	55 084	41 801
1992-93: July to May	67 841	316 269	88 689	425 585	57 629	n.p.	47 159	47 108

(a) Includes production of all meals whether sold separately or combined in prepared stock and poultry food. Includes liver meal, poultry offal meal, fish meal and whale meal. Includes blood meal.

TABLE 18. CIGARETTES AND TOBACCO(a)
(tonnes)

Period	Original	Seasonally adjusted(b)	Trend(c)
1989-90	27 318	..	..
1990-91	26 833	..	..
1991-92	24 538	..	..
1992 —			
March	2 291	1 994	1 999
April	1 490	1 552	1 956
May	2 255	2 025	1 948
June	2 108	1 998	1 969
July	2 438	2 253	1 989
August	2 080	1 959	1 993
September	1 898	1 959	1 980
October	1 813	1 803	1 974
November	2 140	1 887	1 982
December	1 872	2 144	2 010
1993 —			
January	1 228	2 516	2 033
February	2 230	2 133	2 036
March	2 266	1 879	2 022
April	1 808	1 885	2 005
May	2 304	2 082	1 984
1991-92: July to May	22 430	..	..
1992-93: July to May	22 077	..	..

(a) Source: Australian Tobacco Marketing Advisory Committee. (b) See paragraph 5, Explanatory Notes. (c) See paragraph 6 to 8, Explanatory Notes.

EXPLANATORY NOTES

Introduction

This publication is one of a series of ten containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 9.

Classification

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Most items are identified by the commodity codes used in the Australian Standard Commodity Classification (ASCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. In cases where data are derived from sources other than ABS collections no commodity code is shown and the source of the data is acknowledged in a footnote.

Scope and coverage

3. Manufacturing commodity statistics collected by the ABS exclude details relating to single establishment manufacturing enterprises with fewer than four persons employed and production of establishments predominantly engaged in non-manufacturing activities but which may carry on, in a minor way, some manufacturing. However, except for a few commodities, the effect on production levels and movements is marginal.

4. Annual figures shown in this publication are derived by aggregating monthly/quarterly production and relate to production during the year ended 30 June. They may differ from annual manufacturing census data which relate to the census year and, in the case of businesses unable to report on a June year basis, include details in respect of substitute accounting periods.

Seasonal adjustment and trend estimates

5. This publication contains seasonally adjusted statistics of several items. In the seasonal adjustment account has been taken not only of normal seasonal factors but also, where appropriate, of 'working-day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays etc. in the month) and the influence of Easter and Australia Day which may, in successive years, affect figures for different months. However, care should be exercised in interpreting the figures for those months in which Christmas/New Year and Easter holidays fall as some manufacturers vary holiday shutdowns in the light of prevailing demand for their products. Details of the methods used in seasonally adjusting these and other series are available on request.

6. The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 13-term Henderson weighted moving average to the seasonally adjusted series.

7. While this smoothing technique enables estimates of trend to be produced for the latest month, it does result in revisions to the estimates for the most recent months as data for subsequent months become available. Generally subsequent revisions become smaller and after 3 months have little impact on the series. There will also be revisions as a result of revisions to the original estimates and annual reviews of seasonal and 'working day' factors.

8. Users may wish to refer to the ABS Information Papers *A Guide to Smoothing Time Series — Estimates of 'Trend'* (1316.0) and *Time Series Decomposition — An Overview* (1317.0) for more detailed information on smoothing of seasonally adjusted time series data.

Related publications

9. Other ABS publications which may be of interest are:

Manufacturing Production, Australia, Preliminary (8301.0) — issued monthly

Manufacturing Production, Australia, Household Appliances and Electrical Equipment (8357.0) — issued monthly

Manufacturing Production, Australia, Clothing and Footwear (8358.0) — issued monthly

Manufacturing Production, Australia, Fibres, Yarns, Fabrics, Bedding and Floor Coverings (8360.0) — issued monthly

Manufacturing Production, Australia, Building Materials and Fittings (8361.0) — issued monthly

Manufacturing Production, Australia, Plastics, Rubber, Paints, Detergents and Industrial Chemicals (8362.0) — issued monthly

Manufacturing Production, Australia, Transport Equipment (8363.0) — issued monthly

Manufacturing Production, Australia, Metal Products (8367.0) — issued monthly

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Manufacturing Production, Australia, Wood and Wood Products (8369.0) — issued monthly

Manufacturing Commodities: Selected Principal Articles Produced, Australia 1986-87, Preliminary (8365.0)

Manufacturing Commodities: Principal Articles Produced, Australia 1986-87 (8303.0)

Unpublished production data is also available from the ABS Sydney office. Please contact Colin Nicholson on (02) 268 4282.

10. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue* and *Publications Advice* are available from any ABS office.

Symbols and other usages

- n.y.a. not yet available
- n.p. not available for separate publication (but included in totals where applicable)
- n.a. not available
- .. not applicable
- r revised since last issue
- nil or rounded to zero
- break in continuity of series (where a line is shown between consecutive figures in the same column)



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