



**Australian
Bureau of
Statistics**

**December 1989
Production of Food
Drink, Tobacco and
Stock and Poultry Food
Australia**

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**PRODUCTION OF FOOD, DRINK, TOBACCO
AND STOCK AND POULTRY FOOD AUSTRALIA
DECEMBER 1989**

IAN CASTLES
Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8359.0

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TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM

Milk and cream, concentrated or sweetened, in liquid form						
Period	Unsweetened		Sweetened (022.24)	Cream, not concentrated or sweetened (022.13)	Milk based food pre- parations (eg 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	tonnes	'000 litres	tonnes	tonnes
1986-87	20,402					50,968
1987-88	24,251					53,157
1988-89	58,178					60,781
1988—						
October	6,381		Not available prior to July 1989			5,464
November	5,305					5,741
December	5,982					4,426
1989—						
January	6,029					5,237
February	5,845					5,363
March	4,417					5,226
April	3,427					4,201
May	3,664					4,820
June	2,875					4,141
July	4,353	1,553	n.p.	6,500	2,939	3,994
August	4,009	3,012	n.p.	8,282	2,851	4,784
September	4,434	4,175	n.p.	11,653	n.p.	4,902
October	5,078	5,060	n.p.	13,260	n.p.	5,378
November	4,545	4,762	n.p.	13,016	3,053	5,683
December	3,680	4,548	n.p.	14,786	2,463	4,425
1988-89: July to Dec.	31,921	n.a.	n.a.	n.a.	n.a.	31,792
1989-90: July to Dec.	25,100	23,109	n.p.	67,497	n.p.	29,167

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

Period	Milk in powdered form(c)			
	Casein(c)	Wholemilk	Skim or mixed skim and buttermilk	Buttermilk
	tonnes	tonnes	tonnes	tonnes
1986-87	8,236	65,283	128,472	8,435
1987-88	8,954	63,743	120,010	7,838
1988-89	6,870	68,038	119,136	7,663
1988—				
October	1,641	6,693	18,763	1,337
November	1,417	7,942	18,049	1,226
December	1,100	9,355	15,917	1,130
1989—				
January	611	8,440	12,553	712
February	96	6,123	7,248	352
March	65	4,897	6,193	359
April	43	4,262	4,044	319
May	42	1,341	5,205	406
June	64	1,218	4,343	293
July	45	2,737	4,836	269
August	180	5,323	8,997	521
September	1,267	7,963	15,298	890
October	1,315	7,561	18,974	1,501
November	1,343	5,248	19,563	1,243
December	786	8,445	19,244	1,245
1988-89: July to Dec.	5,949	41,757	79,550	5,222
1989-90: July to Dec.	4,936	37,277	86,921	5,669

(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			Other	Milk ices(b)			Milk based mixtures for soft serves and thick shakes(c)	Non-frozen ice confections(d)
	Up to and incl. 200mls (021.04)	Over 200 mls but under 4 litres (021.05)	For home consumption (022.34)		Up to and incl. 200 mls (022.36)	Over 200 mls (022.37)	Water ices, fruit ices (022.39)		
1986-87	24,772	79,788	103,116		19,517	23,084	20,799	15,031	
1987-88	25,836	81,489	105,596		21,197	22,379	23,304	16,632	
1988-89	28,980	79,632	110,388		20,117	22,579	28,151	17,308	
1988—									
October	2,792	7,176	10,113		1,728	1,874	2,932	1,551	Not available
November	3,445	8,465	10,765		2,520	2,287	3,912	1,283	prior to
December	4,522	8,633	10,315		3,471	2,828	4,772	1,774	July 1989
1989—									
January	2,671	7,580	9,532		1,744	2,518	2,804	1,722	
February	2,658	8,124	9,740		2,204	2,328	2,558	1,383	
March	1,774	7,000	8,728		1,490	1,666	2,268	1,534	
April	2,182	5,522	6,800		1,250	1,422	1,557	1,229	
May	2,090	4,276	6,773		1,074	1,346	1,005	1,371	
June	1,119	4,750	5,880		802	969	1,272	1,457	
July	1,533	4,004	4,130	847	1,031	1,233	812	1,223	n.p.
August	2,382	6,244	5,065	1,294	1,161	1,832	1,230	1,456	n.p.
September	2,285	7,470	6,454	1,516	1,675	1,347	1,694	1,621	n.p.
October	2,863	8,081	7,328	2,132	2,652	2,032	2,697	1,523	n.p.
November	2,686	7,248	7,090	1,567	2,498	2,066	2,525	1,712	n.p.
December	2,836	8,459	6,580	1,727	2,187	2,220	2,705	1,875	n.p.
1988-89: July to Dec.	16,485	42,380	52,936		11,553	12,331	16,687	8,611	n.a.
1989-90: July to Dec.	14,585	41,507	36,648	9,084	11,203	10,731	11,663	9,410	n.p.

(a) Ice cream / aerated milk based confections containing 10% or more butter fat. (b) Includes aerated milk based confections containing less than 10% butterfat.
(c) Powdered mix is included in terms of liquid milk equivalent. (d) Intended to be frozen prior to home consumption.

TABLE 3. BUTTER AND MARGARINE
(tonnes)

Period	Butter plus direct butteroil(a)						Margarine	
	NSW	Vic.	Qld	SA	WA	Tas.	Australia	Other
							Table (091.02)	(091.03)
1986-87	829	90,140	3,703	1,944	1,400	5,839	103,855	111,267
1987-88	1,057	82,128	3,487	2,182	1,505	3,882	94,241	112,767
1988-89	1,226	83,282	3,687	2,243	1,139	4,276	95,853	112,868
1988—								
October	110	13,841	403	188	166	513	15,221	9,578
November	89	12,710	287	229	126	559	14,000	9,052
December	134	10,993	309	217	43	633	12,329	9,609
1989—								
January	192	8,108	471	184	52	494	9,501	5,545
February	112	5,606	353	171	44	315	6,601	8,081
March	149	4,409	280	159	43	390	5,430	9,996
April	86	3,034	243	150	48	337	3,898	10,211
May	55	4,111	255	215	104	375	5,115	10,478
June	61	2,844	279	197	106	228	3,715	9,992
July	78	2,730	257	178	108	108	3,459	9,988
August	36	5,185	237	190	150	160	5,958	10,336
September	108	10,513	389	191	177	375	11,753	9,589
October	144	14,361	356	193	205	682	15,942	7,852
November	117	14,251	413	221	134	806	15,942	8,622
December	153	12,481	513	162	51	702	14,062	7,915
1988-89: July to Dec.	571	55,170	1,806	1,167	742	2,137	61,593	58,564
1989-90: July to Dec.	636	59,521	2,165	1,135	825	2,833	67,115	54,302

(a) Source: Australia Dairy Corporation.

TABLE 4. CHEDDAR & CHEDDAR TYPE CHEESE(a)
(tonnes)

Period	NSW	Vic.	Qld	SA	WA	Tas.	Australia
1986-87	7,001	72,703	9,039	21,320	2,943	10,278	123,284
1987-88	6,422	71,236	10,523	20,169	2,885	8,944	119,909
1988-89	6,689	75,748	8,294	19,207	2,694	9,023	121,655
1988—							
October	962	9,527	741	2,715	441	1,305	15,691
November	645	11,198	687	3,034	407	1,503	17,474
December	740	9,435	709	2,273	247	1,106	14,510
1989—							
January	773	9,095	932	1,568	6	1,162	13,536
February	498	7,295	641	650	—	1,107	10,191
March	401	5,807	661	392	—	637	7,898
April	364	3,915	605	534	—	704	6,122
May	364	2,502	580	734	42	407	4,629
June	260	1,032	582	1,359	341	3	3,577
July	352	2,117	449	1,277	447	—	4,590
August	450	4,864	682	1,467	394	218	8,075
September	672	8,590	508	2,447	435	1,278	13,930
October	872	9,095	475	2,759	428	1,697	15,326
November	852	9,565	474	2,623	329	1,834	15,677
December	969	9,481	669	2,429	200	1,472	15,220
1988-89: July to Dec.	4,029	46,102	4,293	13,970	2,305	5,003	75,702
1989-90: July to Dec.	4,167	43,660	3,257	13,002	2,233	6,499	72,818

(a) Source: Australian Dairy Corporation. Includes Cheddar, Cheshire, Cheddar, Colby, Dunlop, Gloucester, Leicester, Nimbin, Shred and Stirred Curd/granular types.

TABLE 5. NON CHEDDAR TYPE CHEESE(a)
(tonnes)

Period	NSW	Vic.	Qld	SA	WA	Tas.	Australia
1986-87	6,410	29,061	4,907	6,118	784	6,905	54,185
1987-88	6,720	31,203	4,945	5,328	887	7,311	56,394
1988-89	7,817	39,145	6,130	5,497	892	9,648	69,129
1988—							
October	792	3,964	449	495	76	1,455	7,231
November	742	4,276	556	797	84	1,101	7,556
December	690	3,164	571	427	88	1,288	6,228
1989—							
January	690	2,872	504	391	59	1,176	5,692
February	677	3,186	462	326	72	773	5,496
March	630	3,975	512	368	89	839	6,413
April	567	2,519	478	482	66	777	4,889
May	597	2,356	500	516	71	660	4,790
June	526	3,925	560	371	82	258	5,722
July	581	2,146	512	503	67	63	3,872
August	602	2,473	487	511	73	281	4,427
September	692	3,843	419	692	105	512	6,263
October	751	2,954	556	542	70	1,078	5,951
November	726	2,888	570	469	99	926	5,678
December	698	2,904	578	592	94	828	5,694
1988-89: July to Dec.	4,130	20,312	3,024	3,043	453	5,165	36,127
1989-90: July to Dec.	4,050	17,208	3,122	3,309	508	3,688	31,885

(a) Source: Australian Dairy Corporation.

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)	
1986-87					1,891	2,071	727	2,322	2,493	
1987-88					2,243	2,193	660	3,029	2,111	
1988-89					2,492	2,392	802	2,565	2,424	
1988—										
October	Not available prior to July 1989				n.p.	243	n.p.	271	84	Not available prior to July 1989
November					n.p.	256	n.p.	320	210	
December					n.p.	267	n.p.	218	158	
1989—										
January					329	247	91	259	159	
February					n.p.	282	n.p.	183	139	
March					195	180	49	249	45	
April					255	178	95	255	423	
May					n.p.	209	n.p.	270	199	
June					n.p.	132	n.p.	125	229	
July	68	n.p.	347	4,806	n.p.	202	43	127	n.p.	24,753
August	80	n.p.	n.p.	6,316	n.p.	188	62	121	145	25,561
September	237	n.p.	n.p.	9,624	n.p.	188	73	184	n.p.	28,610
October	165	n.p.	n.p.	12,277	n.p.	250	113	224	n.p.	32,307
November	306	16,752	401	13,689	n.p.	262	70	910	n.p.	32,715
December	362	20,260	395	13,848	n.p.	194	56	282	n.p.	35,632
1988-89: July to Dec.	n.a.	n.a.	n.a.	n.a.	n.p.	1,165	n.p.	1,222	1,229	n.a.
1989-90: July to Dec.	1,219	n.p.	n.p.	60,560	n.p.	1,285	416	1,848	n.p.	179,578

(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(c)	
	Corned beef (016.83)	Mixed meat and vegetables(b)		Hams, shoulders and cuts thereof with bone in (016.11)	Other (016.12, 19)
		Bacon or Ham (017.76)			
1986-87	12,787	9,641	n.p.		
1987-88	n.p.	10,066	2,298		
1988-89	n.p.	10,496	2,663		
1988—					
October	n.p.	673	n.p.	Not available prior to July 1989	
November	n.p.	1,147	n.p.		
December	410	654	n.p.		
1989—					
January		559	n.p.		
February		816	n.p.		
March		1,014	n.p.		
April		1,173	n.p.		
May		1,065	n.p.		
June		1,127	n.p.		
July	459	741	277	759	5,835
August	227	829	326	759	6,109
September	439	1,202	390	1,152	6,304
October	388	1,012	171	1,786	6,885
November	n.p.	876	395	2,709	7,398
December	n.p.	998	371	2,314	5,680
1988-89: July to Dec.	n.p.	4,743	n.p.	n.a.	n.a.
1989-90: July to Dec.	n.p.	5,657	1,931	9,479	38,212

(a) Stated net weight of packs. (b) Excludes pork and beans prior to July 1989. (c) Excludes canned and ham paste.

TABLE 8. FISH, CRUSTACEANS AND MOLLUSCS
(tonnes)

Period	Prepared or preserved crustaceans and molluscs (excl. oysters)									
	Prepared or preserved fish products		Crustaceans (chilled or frozen)				Molluscs and aquatic invertebrates			
			Rock lobster and crayfish				Chilled, frozen, dried, salted or in brine(b)			Abalone otherwise preserved (037.23)
			Shrimps and prawns (036.12)	Tails (036.14)	Whole (036.13)	Other (036.15)	Abalone (036.34)	Scallops (036.36)	Other (036.38)	
	Fish fillets (034.30)	Fish frozen canned(a) (037.18)								
1986-87	2,795	8,409								
1987-88	3,149	8,317								
1988-89	2,314	8,650								
1988—										
October	99	590								
November	79	799								
December	132	710								
1989—										
January	127	787								
February	124	730								
March	204	769								
April	146	761								
May	184	695								
June	237	735								
July	901	506	805	n.p.	12	n.p.	28.4	15.8	5.56	105
August	455	656	840	—	11	r8.16	18.7	43.1	n.p.	119
September	204	615	682	n.p.	3	n.p.	24.8	24.8	n.p.	118
October	153	514	730	n.p.	9	n.p.	19.3	46.0	n.p.	102
November	132	548	881	198	397	5.83	r39.1	93.1	r6.79	205
December	174	591	416	623	1,489	6.83	11.6	58.0	9.42	65
1988-89: July to Dec.	1,292	4,261	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Dec.	2,019	3,430	4,355	n.p.	1,921	n.p.	142	281	n.p.	715

(a) Excludes canned pet food. (b) Shelled weight.

TABLE 9. BISCUIT AND CONFECTIONERY
(tonnes)

Period	Confectionery							
	Biscuits (excl. dog biscuits(a))		Chocolate or containing chocolate(b)				Other	
			Original (073.80)		Trend(e)		Original (062.26)	
	Sweet(c) (048.42)	Other (048.44)	Original (073.80)	Seas. adj.(d)	Trend(e)	Original (062.26)	Seas. adj.(d)	Trend(e)
1986-87			82,603	..	..	63,279	..	..
1987-88			85,981	..	..	66,770	..	..
1988-89			92,597	..	..	64,655	..	..
1988—								
October		Not available	7,689	7,980	7,796	6,442	5,367	5,382
November		prior to	7,370	7,315	7,987	6,285	5,311	5,161
December		July 1989	6,612	8,500	8,085	4,407	4,879	5,025
1989—								
January			4,465	8,554	8,077	2,393	4,867	5,004
February			8,181	7,724	7,985	5,206	4,961	5,077
March			8,866	7,656	7,909	4,989	4,909	5,186
April			8,572	7,820	7,861	5,178	6,102	5,304
May			9,176	7,899	7,854	5,531	5,269	5,400
June			8,645	8,051	7,914	5,076	5,139	5,438
July	6,401	4,912	8,265	7,622	8,042	5,763	5,475	5,414
August	8,693	4,811	9,558	9,099	8,176	5,722	5,376	5,361
September	7,967	3,872	7,037	7,126	8,306	6,115	5,468	5,311
October	8,114	5,106	9,118	r9.183	8,440	6,507	5,352	5,273
November	7,980	5,335	8,186	8,137	8,566	5,418	4,607	5,244
December	5,343	3,648	7,078	9,136	8,674	4,774	5,338	5,207
1988-89: July to Dec.	n.a.	n.a.	44,692	..	..	36,282	..	..
1989-90: July to Dec.	44,498	27,684	49,241	..	..	34,300	..	..

(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. JAM AND PRESERVED FRUIT
(tonnes)

Period	Jam(a) (058.12)	Fruit jelly, puree and paste(b) (058.11)	Fruit uncooked or cooked by boiling in water, frozen (058.33)	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)	
1986-87	30,731								
1987-88	33,625								
1988-89	34,221								
1988—									
October	2,746								
November	2,953								
December	2,681								
1989—									
January	2,270								
February	2,757								
March	2,789								
April	2,528								
May	3,221								
June	3,521								
July	2,845	n.p.	n.p.	1,910	—	—	n.p.	n.p.	2,847
August	3,319	n.p.	n.p.	1,554	—	—	n.p.	n.p.	2,872
September	2,749	n.p.	n.p.	674	—	—	n.p.	n.p.	4,823
October	2,750	n.p.	n.p.	756	—	—	n.p.	n.p.	4,124
November	2,334	489	n.p.	973	—	—	n.p.	n.p.	2,500
December	1,830	280	n.p.	679	n.p.	—	n.p.	n.p.	1,963
1988-89: July to Dec.	17,135	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Dec.	15,829	n.p.	n.p.	6,547	n.p.	—	n.p.	n.p.	19,128

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

TABLE 11. CEREAL PRODUCTS
(tonnes)

Period	Wheat gluten (592.17)	Rice, hulled, 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)	Cornflour (047.11)	Starch (592.11,18)
1986-87	42,152					161,940
1987-88	46,598					173,550
1988-89	48,423					194,836
1988 —						
October	3,855					15,528
November	3,969					16,801
December	3,927					14,224
1989 —						
January	3,875					15,947
February	3,724					16,101
March	4,086					15,352
April	3,746					16,481
May	4,059					17,606
June	4,614					16,669
July	4,212	n.p.	99,015	11,192	n.p.	18,638
August	4,333	n.p.	108,269	9,914	n.p.	19,012
September	4,228	n.p.	107,601	9,411	n.p.	17,498
October	4,177	n.p.	96,478	9,574	n.p.	18,760
November	4,011	n.p.	104,723	10,337	n.p.	19,331
December	3,426	n.p.	94,929	8,809	n.p.	14,118
1988-89: July to Dec.	24,319	n.a.	n.a.	n.a.	n.a.	97,603
1989-90: July to Dec.	24,387	n.p.	611,015	59,237	n.p.	107,356

TABLE 11. 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)	Mixes 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)
1986-87	71,004	92,895					
1987-88	84,592	94,631					
1988-89	97,035	101,099					
1988—							
October	8,067	8,519			Not available prior to July 1989		
November	8,221	9,771					
December	9,181	7,233					
1989—							
January	7,720	7,084					
February	7,813	8,936					
March	8,804	8,566					
April	7,754	8,552					
May	8,279	9,565					
June	8,697	8,025					
July	8,307	7,522	n.p.	n.p.	1,837	1,210	106
August	8,412	7,818	n.p.	n.p.	1,780	2,155	116
September	9,000	7,592	n.p.	n.p.	2,010	1,704	137
October	9,049	7,408	n.p.	n.p.	1,941	2,035	111
November	9,387	7,963	3,989	3,715	2,097	2,643	73
December	7,818	5,579	3,988	3,388	1,497	2,828	80
1988-89: July to Dec.	47,969	50,372	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Dec.	50,972	43,883	n.p.	n.p.	11,162	12,574	623

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

TABLE 12. MALT, ALE AND BEER

TABLE 12. MALT, BEER AND STOUT															
Ale, beer and stout(a)															
Period	Finished malt (all kinds) (048.20)	Total				Extra light beer (d)									
		Bulk (112.33)	Canned (112.34)	Bottled (112.35)	Original	Seasonally adjusted (b)	Trend(c)	Canned (112.31)	Bottled (112.32)						
										'000 tonnes	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres
1986-87	542,273	583,382	501,451	774,187	1,859,020	..	..	26,671	n.p.						
1987-88	561,543	583,486	529,559	778,198	1,891,244	..	..	25,107	n.p.						
1988-89	589,777	577,942	566,230	806,579	1,950,751	..	..	16,090	8,106						
1988—															
October	51,732	52,935	54,269	76,543	183,747	168,557	164,733	n.p.	n.p.						
November	51,752	54,719	63,372	92,438	210,529	174,187	163,631	1,763	n.p.						
December	46,980	54,593	62,120	86,626	203,339	162,942	162,112	n.p.	561						
1989—															
January	49,495	44,497	42,153	66,675	153,325	152,682	160,777	1,412	n.p.						
February	42,145	43,733	40,738	59,819	144,290	152,093	159,689	1,168	n.p.						
March	46,910	51,995	49,413	68,151	169,558	169,656	159,300	1,445	n.p.						
April	47,313	42,261	40,792	60,615	143,669	156,037	160,138	1,331	n.p.						
May	50,013	49,751	47,351	62,921	160,024	165,962	161,336	1,822	691						
June	51,423	43,253	40,551	51,721	135,525	161,071	162,399	n.p.	n.p.						
July	50,984	44,010	42,144	55,575	141,729	158,233	163,283	450	n.p.						
August	51,820	48,108	45,936	65,813	159,857	171,107	164,552	706	n.p.						
September	53,184	44,459	45,591	55,576	145,626	163,649	166,521	803	342						
October	57,366	49,077	55,374	78,959	183,409	159,621	168,327	519	576						
November	50,301	51,915	58,879	87,343	198,137	165,045	165,520	971	379						
December	45,313	51,078	59,218	76,387	186,682	156,253	160,300	592	732						
1988-89: July to Dec.	302,478	302,451	305,232	436,676	1,044,360	..	..	7,868	n.p.						
1989-90: July to Dec.	308,968	288,647	307,142	419,652	1,015,441	..	..	4,042	n.p.						

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

TABLE 13. MINERAL WATERS AND AERATED WATERS
(*000 litres)Canned and bottled (111.03.05.06.07)
by Capital City Statistical Division

Period	Sydney	Melbourne	Brisbane	Other(a)	Total
1986-87	354,078	329,130	199,000	216,754	1,098,963
1987-88	390,621	376,096	213,103	246,848	1,226,668
1988-89	428,180	381,545	237,448	284,102	1,331,274
1988—					
October	40,694	34,447	24,171	24,860	124,172
November	54,341	41,305	29,419	32,697	157,762
December	41,059	33,735	23,519	35,183	133,496
1989—					
January	37,522	37,160	23,580	27,123	125,385
February	37,092	37,265	19,077	28,000	121,434
March	42,541	37,820	17,867	29,116	127,344
April	36,451	35,416	19,176	19,585	110,628
May	27,870	21,138	16,867	17,057	82,932
June	23,553	22,222	13,026	16,159	74,960
July	23,205	23,528	12,052	12,820	71,605
August	31,281	29,889	16,032	23,712	100,914
September	36,706	31,018	20,700	15,547	103,971
October	37,197	35,048	26,998	24,593	123,835
November	37,602	33,982	25,619	32,539	129,742
December	42,234	43,567	20,770	34,154	140,724
1988-89: July to Dec.	223,152	190,524	127,855	147,062	688,593
1989-90: July to Dec.	208,225	197,032	122,171	143,365	670,791

(a) Adelaide, Perth, Hobart, Darwin.

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

Period	Canned and bottled (111.03.05.06.07)						Bulk pre-mix (111.08)	Post-mix concentrates(a) (111.09)
	NSW	Vic.	Qld	WA	SA and NT	Tas.		
1986-87	386,048	339,983	237,624	107,010	116,613	18,189	1,205,467	285
1987-88	432,057	389,261	255,534	n.p.	n.p.	20,422	1,346,077	736
1988-89	468,769	391,506	286,192	n.p.	n.p.	n.p.	1,447,832	1,284
1988—								
October	44,688	35,074	29,361	n.p.	n.p.	1,714	135,311	60
November	60,031	42,221	34,856	n.p.	n.p.	2,318	171,564	40
December	46,134	34,437	29,040	n.p.	n.p.	1,757	146,150	39
1989—								
January	41,921	38,164	27,651	n.p.	n.p.	2,352	136,696	36
February	40,841	38,338	22,746	n.p.	n.p.	2,184	131,602	58
March	45,080	38,860	21,944	n.p.	n.p.	2,683	137,126	86
April	38,686	36,510	22,891	n.p.	n.p.	1,257	118,490	128
May	29,649	21,808	19,891	n.p.	n.p.	1,739	89,690	248
June	25,363	22,979	16,404	n.p.	n.p.	1,467	82,292	167
July	25,295	23,804	15,775	n.p.	n.p.	n.p.	78,736	94
August	24,292	30,322	18,321	n.p.	n.p.	n.p.	107,850	52
September	23,810	31,284	25,570	n.p.	n.p.	n.p.	119,316	76
October	24,370	35,342	32,071	n.p.	n.p.	n.p.	133,580	98
November	40,989	34,292	30,361	n.p.	n.p.	n.p.	140,491	165
December	46,341	44,004	25,211	n.p.	n.p.	n.p.	151,740	53
1988-89: July to Dec.	247,227	194,877	154,665	n.p.	n.p.	n.p.	751,937	561
1989-90: July to Dec.	226,446	199,048	147,309	n.p.	n.p.	n.p.	721,132	540

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

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

Period	Not containing added sugar, sweetener nor flavoured (111.03)					Containing added sugar, sweetener or flavoured				
						Canned (111.05)				
	NSW	Vic.	Qld	Other States	Australia	NSW	Vic.	Qld	Other States	Australia
Not available prior to July 1989										
1989—	r				r	r				r
July	n.p.	n.p.	n.p.	n.p.	1,872	n.p.	7,125	5,472	n.p.	22,533
August	n.p.	n.p.	1,101	n.p.	3,787	12,664	n.p.	7,989	n.p.	34,785
September	n.p.	n.p.	n.p.	n.p.	3,573	7,576	n.p.	9,462	n.p.	34,715
October	n.p.	n.p.	n.p.	n.p.	5,732	10,296	n.p.	11,986	n.p.	41,220
November	n.p.	n.p.	1,121	n.p.	4,444	11,450	n.p.	11,057	n.p.	43,146
December	n.p.	n.p.	1,345	n.p.	4,751	12,431	n.p.	8,871	n.p.	45,671
1989-90: July to Dec.	n.p.	n.p.	n.p.	n.p.	24,159	n.p.	n.p.	54,837	n.p.	222,070

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

Period	Containing added sugar, sweetener or flavoured — continued									
	Bottled									
	Returnable (111.06)					Non-returnable (111.07)				
Period	NSW	Vic.	Qld	Other States	Australia	NSW	Vic.	Qld	Other States	Australia
	Not available prior to July 1989									
1989—				r	r	r				r
July	n.p.	n.p.	n.p.	4,216	8,266	18,609	13,683	8,531	5,242	46,065
August	n.p.	n.p.	1,982	7,149	13,080	19,145	20,071	7,249	9,732	56,198
September	n.p.	n.p.	n.p.	6,645	13,604	28,908	17,253	12,895	8,368	67,424
October	n.p.	n.p.	n.p.	7,848	14,212	27,379	20,544	15,460	9,033	72,416
November	n.p.	n.p.	2,162	9,799	16,954	26,908	21,031	16,021	11,988	75,947
December	n.p.	n.p.	2,436	11,208	19,398	31,320	27,214	12,559	10,827	81,920
1989-90: July to Dec.	n.p.	n.p.	n.p.	46,865	85,514	152,269	119,796	72,715	55,191	399,970

TABLE 14. CORDIALS AND SYRUPS
(⁰⁰⁰ litres)

Period	Fruit juice cordial and syrup (a) (098.79)					Other cordials and syrups (098.81)				
	NSW	Vic.	Qld	Other States	Australia	NSW	Vic.	Qld	Other States	Australia
1986-87	40,471	19,778	21,606	16,572	98,428	8,566	5,256	8,093	1,903	588
1987-88	48,646	19,969	22,300	13,266	104,182	9,701	5,467	8,441	n.p.	n.p.
1988-89	n.p.	25,170	22,873	n.p.	115,183	8,734	5,439	n.p.	n.p.	n.p.
1988—										
October	6,697	1,281	2,824	1,142	11,944	947	369	n.p.	160	n.p.
November	n.p.	1,809	3,115	n.p.	12,191	649	678	n.p.	97	n.p.
December	n.p.	3,359	2,022	n.p.	13,218	970	555	n.p.	103	n.p.
1989—										
January	5,470	2,966	1,874	1,189	11,499	984	528	n.p.	149	n.p.
February	5,427	3,619	1,848	1,061	11,956	1,080	487	n.p.	122	n.p.
March	4,589	3,616	1,805	1,103	11,113	873	639	n.p.	120	n.p.
April	3,869	2,355	1,862	1,133	9,217	636	386	n.p.	251	n.p.
May	2,459	1,080	1,290	882	5,711	349	284	n.p.	n.p.	n.p.
June	2,638	1,113	2,237	820	6,808	384	409	n.p.	n.p.	n.p.
July	1,218	791	789	837	3,634	342	254	n.p.	n.p.	n.p.
August	1,942	1,713	1,344	1,140	6,139	607	355	n.p.	n.p.	n.p.
September	n.p.	1,902	1,993	n.p.	8,982	691	457	n.p.	n.p.	n.p.
October	n.p.	2,208	1,332	n.p.	8,579	1,075	474	n.p.	n.p.	n.p.
November	n.p.	2,557	3,037	n.p.	12,606	1,143	1,516	n.p.	n.p.	n.p.
December	n.p.	2,040	1,132	n.p.	10,022	1,041	930	n.p.	n.p.	n.p.
1988-89: July to Dec.	n.p.	10,420	11,956	n.p.	58,878	4,428	2,706	n.p.	n.p.	n.p.
1989-90: July to Dec.	n.p.	11,212	9,627	n.p.	49,963	4,900	2,985	n.p.	n.p.	n.p.

(a) Containing at least 25% by volume of pure fruit juice.

TABLE 15. OTHER FOOD AND DRINK

TABLE 15. OTHER FOOD AND DRINK							
Period	Wine based mixed drinks (a) (112 19)	Non-aerated drinks (d)					
		Fruit juices, unfermented and not containing added spirit (single strength) (b)	Containing at least 25% by volume of pure fruit or vegetable juice (111 18)		Containing less than 25% by volume of pure fruit or vegetable juice (e) (111 19)		Tomato sauce (098 42)
			Citrus (c) (059 40)	Apple (059 61)			
	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	
1986-87	34,332	176,625	50,794			31,883	
1987-88	27,882	165,031	70,798			32,739	
1988-89	13,977	125,758	53,164			33,697	
1988—							
October	1,494	13,115	3,009	Not available prior to July 1989			
November	2,914	16,396	2,756				
December	3,294	13,757	2,277				
1989—							
January	1,347	13,040	2,298			2,724	
February	716	8,091	2,516			3,358	
March	792	4,258	4,335			2,978	
April	178	3,321	8,501			2,430	
May	263	4,764	10,814			3,120	
June	428	9,463	6,481			2,452	
July	355	10,669	2,666	6,179	n.p.	2,183	
August	354	12,352	2,587	7,217	n.p.	3,485	
September	1,089	12,384	2,897	8,352	n.p.	2,440	
October	1,289	16,038	2,673	9,227	n.p.	3,328	
November	2,916	21,120	3,141	9,448	n.p.	3,162	
December	1,787	20,768	2,764	9,354	n.p.	1,823	
1988-89: July to Dec.	10,252	82,820	18,220	n.a.	n.a.	16,635	
1989-90: July to Dec.	7,791	93,331	16,728	49,778	n.p.	16,421	

(a) Containing more than 0.5% 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) Includes mixtures of citrus fruit prior to July 1989. (d) Excludes fruit and vegetable juices, mineral waters and flavoured whole milk drinks. (e) Includes drinks with no fruit or vegetable juice content.

TABLE 16. STOCK AND POULTRY FOOD
(tonnes)

Period	Bran (from wheat) (081 21)	Groats and pellets of wheat (046 22)	Sharps and other residues of wheat or rye (b) (081 27)	Prepared stock and poultry feeds (a)				
				Poultry pellets and crumbles (081 91)	Poultry meal (081 92)	Pig feed (081 93)	Cattle (incl dairy) feed (081 96)	Other (081 97)
1986-87	95,341			1,638,706	162,060	639,850	309,113	373,188
1987-88	102,853			1,626,905	133,104	654,479	334,512	371,335
1988-89	95,794			1,607,805	115,850	682,854	319,748	335,683
1988—								
October	7,595	Not available prior to July 1989		141,311	9,086	51,981	23,953	29,253
November	8,394			128,718	8,857	53,423	25,419	29,071
December	6,850			142,855	9,275	61,518	26,070	26,886
1989—								
January	7,161			141,789	8,494	50,825	21,629	24,883
February	8,386			127,771	8,486	51,840	22,270	20,914
March	8,183			126,008	9,728	63,561	25,377	29,516
April	7,249			136,226	8,670	56,436	23,237	27,605
May	8,552			127,262	9,666	58,925	25,399	30,223
June	7,995			127,766	12,133	68,262	31,226	30,718
July	7,822	4,056	35,851	139,518	9,440	56,506	26,700	27,682
August	8,472	n.p.	37,495	131,004	9,766	58,239	31,418	20,496
September	7,549	n.p.	36,911	137,607	10,041	67,020	36,940	19,358
October	6,524	n.p.	35,977	146,551	9,239	59,735	33,490	17,919
November	7,533	n.p.	39,283	137,359	9,007	58,090	31,181	17,526
December	5,711	n.p.	35,977	141,986	9,097	66,281	29,140	17,063
1989: December								
New South Wales	3,081	n.p.	11,395	53,462	3,492	29,225	11,334	3,970
Victoria	509	—	13,884	39,611		n.p.	6,113	3,114
Other States	2,121	n.p.	10,698	48,913	5,605	n.p.	11,693	9,979
1988-89: July to Dec.	48,268	n.a.	n.a.	820,983	58,673	333,005	170,610	171,814
1989-90: July to Dec.	43,611	n.p.	221,494	834,025	56,590	365,871	188,869	120,044

(a) Includes concentrated feeds. Excludes straight mixtures of cereals and mixed crushed grain. (b) Includes wheat pollard, crushed wheat, and rye and 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	
	Rendered			Soya bean (081 31)	Sunflower (081 35)	Crude oil (421 52)	Refined (421 53)
	Edible (411 42)	Inedible (411 43)					
1986-87	84,875	268,208					
1987-88	84,437	289,059					
1988-89	77,831	297,816					
1988—							
October	6,237	25,317					
November	7,649	28,022					
December	5,452	22,769					
1989—							
January	4,947	21,054					
February	5,568	26,286					
March	6,474	27,820					
April	8,058	25,243					
May	8,071	27,881					
June	6,113	25,996					
July	5,603	28,303	8,511	10,185	6,657	2,728	2,101
August	6,114	30,957	8,186	36,492	8,499	2,771	2,184
September	5,441	29,991	9,309	37,151	7,002	12,383	4,742
October	5,066	32,368	7,404	37,950	8,545	7,182	1,790
November	6,243	34,189	8,606	39,270	11,330	4,589	2,240
December	5,489	29,803	7,490	34,565	4,801	7,845	2,269
1988-89: July to Dec.	38,600	143,536	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Dec.	33,956	185,612	49,506	220,453	51,223	47,064	16,516

Not available prior to July 1989

(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. Excludes blood meal.

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

Period	Original	Seasonally adjusted (b)	Trend (c)
1986-87	28,254	..	..
1987-88	27,382	..	..
1988-89	27,158	..	..
1988—			
October	2,264	2,205	2,263
November	2,507	2,211	2,283
December	2,066	2,406	2,304
1989—			
January	1,069	2,251	2,320
February	2,430	2,350	2,322
March	2,552	2,340	2,299
April	2,168	2,294	2,258
May	2,605	2,170	2,206
June	2,420	2,204	2,158
July	2,173	2,321	2,136
August	2,389	2,108	2,152
September	2,077	2,338	2,201
October	2,240	2,113	2,269
November	2,677	2,329	2,344
December	2,143	2,598	2,417
1988-89: July to Dec.	13,914	..	..
1989-90: July to Dec.	13,699	..	..

(a) Source: Australian Customs Service. (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 nine 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 Manufacturing Production Commodity Classification (AMPPCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. AMPPCC items were introduced into the monthly production collections (Catalogues 8301.0, 8357.0 to 8363.0, 8367.0 and 8368.0) from July 1989. The last available data relating to superseded commodity items are published in the June 1989 issues. 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 had 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:

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

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

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

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

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

Production of Paper, Plastics, Paints, Industrial Chemicals and Detergents, Australia (8362.0) — issued monthly

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

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

Production of Energy Products, Australia (8368.0) — issued monthly

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

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

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)
 . . not applicable
 r revised since last issue
 — nil or rounded to zero
 — break in continuity of series (where a line is shown between two consecutive figures in the same column)

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