



**January 1990
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
JANUARY 1990**

IAN CASTLES
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TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM

TABLE 4. PROCESSING MILK, CONCENTRATED AND MILK IN LIQUID FORM	Period	Milk and cream, concentrated or sweetened, in liquid form	Sweetened (022.24)	Cream, not concentrated or sweetened (022.13)	Milk based food preparations (eg health, invalid or baby preparations(a)) (098.74)	Yoghurt(b) (022.31)				
Unsweetened										
Skim milk concentrate (022.27)		Other milk and cream concentrate (022.28)								
tonnes	tonnes	tonnes	'000 litres	tonnes	tonnes	tonnes				
1986-87	20,402					50,968				
1987-88	24,251					53,157				
1988-89	58,178					60,781				
1988—										
November	5,305					5,741				
December	5,982					4,426				
1989—				Not available prior to July 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	3,545	4,762	n.p.	13,016	3,053	5,683				
December	3,680	4,548	n.p.	14,786	2,463	4,425				
1990—										
January	3,600	4,620	n.p.	12,025	n.p.	5,320				
1988-89: July to Jan.	37,950	n.a.	n.a.	n.a.	n.a.	37,029				
1989-90: July to Jan.	28,700	27,729	n.p.	79,522	n.p.	34,487				

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—				
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
1990—				
January	580	4,433	12,779	715
1988-89: July to Jan.	6,560	50,197	92,103	5,934
1989-90: July to Jan.	5,516	41,710	99,700	6,384

(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				
					Milk ices(b)		Milk based mixtures for		
	Over 4 litres								
	Up to and incl. 200mls (021.04)	Over 200 mls but under 4 litres (021.05)	For home consumption (022.34)	Other (022.35)	Up to and incl. 200 mls (022.36)	Over 200 mls (022.37)	Water ices, fruit ices (022.39)	soft serves and thick shakes(c) (098.82)	Non-frozen ice confections(d) (022.38)
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	100,388		20,117	22,579	28,151	17,308	
1988—									
November	3,445	8,465	10,765		2,520	2,287	3,912	1,283	
December	4,522	8,633	10,315		3,471	2,828	4,772	1,774	
1989—									
January	2,671	7,580	9,532		1,744	2,518	2,804	1,722	Not available
February	2,658	8,124	9,740		2,204	2,328	2,558	1,383	prior to
March	1,774	7,000	8,728		1,490	1,666	2,268	1,534	July 1989
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.
1990—									
January	2,669	8,620	7,993	2,629	2,235	1,894	3,153	1,895	n.p.
1988-89: July to Jan.	19,156	49,960	62,468		13,297	14,849	19,491	10,333	n.a.
1989-90: July to Jan.	17,254	50,127	44,641	11,713	13,438	12,625	14,816	11,305	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 mix 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 (091.02)	Other (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—								
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	238	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
1990—								
January	122	8,382	448	206	47	574	9,779	5,420
1988-89: July to Jan.	763	63,278	2,277	1,351	794	2,631	71,094	64,109
1989-90: July to Jan.	758	67,904	2,610	1,341	871	3,407	76,891	59,722

(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—							
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
1990—							
January	635	7,819	523	1,644	104	1,595	12,320
1988-89: July to Jan.	4,802	55,197	5,225	15,538	2,311	6,165	89,238
1989-90: July to Jan.	4,802	51,479	3,780	14,646	2,337	8,094	85,138

(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—							
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	590	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
1990—							
January	654	2,654	534	462	73	762	5,139
1988-89: July to Jan.	4,820	23,184	3,528	3,434	512	6,341	41,819
1989-90: July to Jan.	4,704	19,862	3,656	3,771	581	4,450	37,024

(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)	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—										
November					n.p.	256	n.p.	320	210	
December					n.p.	267	n.p.	218	158	
1989—										
January	Not available prior to July 1989				329	247	91	259	159	Not available prior to July 1989
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	14,806	n.p.	202	43	121	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	1,368	119,560	395	13,848	n.p.	194	56	282	n.p.	134,924
1990—										
January	197	n.p.	943	13,043	736	203	38	363	n.p.	40,034
1988-89: July to Jan.	n.a.	n.a.	n.a.	n.a.	n.p.	1,412	n.p.	1,481	1,388	n.a.
1989-90: July to Jan.	1,421	n.p.	n.p.	73,603	n.p.	1,488	454	2,211	n.p.	218,904

(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) (017.74)	Bacon or Ham (017.76)	Hams, shoulders and cuts thereof with bone in (016.11)	Other (016.18)
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—					
November	n.p.	1,147	n.p.		
December	410	654	n.p.		
1989—					
January	n.p.	559	n.p.	Not available prior to July 1989	
February	n.p.	816	n.p.		
March	n.p.	1,014	n.p.		
April	n.p.	1,173	n.p.		
May	n.p.	1,065	n.p.		
June	n.p.	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	12,744	17,299
December	n.p.	998	371	12,476	16,403
1990—					
January	n.p.	536	144	864	4,242
1988-89: July to Jan.	n.p.	5,302	n.p.	n.a.	n.a.
1989-90: July to Jan.	n.p.	6,193	2,075	10,540	43,078

(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
			Shrimps and prawns	Tails	Whole	Other	Abalone	Scallops	Other	
	Fish filets frozen (034.30)	Fish canned(a) (037.18)	(036.12)	(036.14)	(036.13)	(036.15)	(036.34)	(036.36)	(036.38)	(037.23)
1986-87	2,795	8,409								
1987-88	3,149	8,317								
1988-89	2,314	8,650								
1988—										
November	79	799								
December	132	710								
1989—										
January	127	787								
February	124	730								
March	204	769								
April	146	761								
May	184	605								
June	237	735								
July	901	506	805	n.p.	12	n.p.	28.4	15.8	5.56	105
August	455	656	840	—	11	8.16	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	39.1	93.1	6.79	205
December	174	591	416	r568	r1,541	r6.68	11.6	58.0	9.42	65
1990—										
January	140	797	75	289	572	n.p.	21.7	58.3	9.80	59
1988-89: July to Jan.	1,419	5,048	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Jan.	2,159	4,227	4,013	n.p.	2,545	n.p.	164	339	n.p.	774

(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		
	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—								
November			7,370	7,315	7,987	6,285	5,311	5,161
December			6,612	8,500	8,085	4,407	4,879	5,025
1989—								
January	Not available prior to July 1989		4,465	8,554	8,076	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	7,859	5,531	5,269	5,404
June			8,645	8,051	7,914	5,076	5,139	5,446
July	6,401	4,912	8,265	7,622	8,083	5,763	5,475	5,412
August	8,693	4,811	9,558	9,099	8,276	5,722	5,376	5,349
September	7,967	3,872	7,037	7,126	8,378	6,115	5,468	5,286
October	8,114	5,106	r9,112	r9,177	8,331	r6,546	r5,384	5,245
November	7,980	5,335	r8,180	r8,131	8,127	r5,448	r4,633	5,201
December	5,343	3,648	r7,072	r9,128	7,805	r4,799	r5,366	5,156
1990—								
January	4,658	3,127	3,832	6,978	7,427	2,784	5,499	5,116
1988-89: July to Jan.	n.a.	n.a.	49,157	..	..	38,675	..	..
1989-90: July to Jan.	49,156	30,811	55,056	..	..	37,177	..	..

(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— November	2,953								
December	2,681								
Not available prior to July 1989									
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
1990— January	2,300	n.p.	n.p.	304	5,975	n.p.	7.73	n.p.	10,257
1988-89: July to Jan.	19,405	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Jan.	18,129	n.p.	n.p.	6,851	n.p.	n.p.	n.p.	n.p.	29,385

(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, 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)	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 — November	3,969					16,801
December	3,927					14,224
Not available prior to July 1989						
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.	19,012
August	4,333	n.p.	108,269	9,914	n.p.	17,498
September	4,228	n.p.	107,601	9,411	n.p.	18,760
October	4,177	n.p.	96,478	9,574	n.p.	19,331
November	4,011	n.p.	104,723	10,337	n.p.	14,118
December	3,426	n.p.	94,929	8,809	n.p.	
1990— January	3,768	n.p.	89,804	10,233	n.p.	17,043
1988-89: July to Jan.	28,194	n.a.	n.a.	n.a.	n.a.	113,550
1989-90: July to Jan.	28,155	n.p.	700,819	69,470	n.p.	124,399

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—							
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	8,387	7,963	3,989	r6,576	2,097	2,643	73
December	7,818	5,579	3,988	r6,147	1,497	2,828	80
1990—							
January	7,872	6,708	2,689	6,138	778	2,483	123
1988-89: July to Jan.	55,689	57,456	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Jan.	58,844	50,591	n.p.	n.p.	11,940	15,057	746

(a) Expressed as 43° Baume. Includes dextrose. (b) e.g. bulled, peated, clipped, kibbled, milled, flaked or further prepared.

TABLE 12. MALT, ALE AND BEER
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)
	tonnes	'000 litres	'000 litres	'000 litres	'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—									
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	779
May	50,013	49,751	47,351	62,921	160,024	165,962	161,739	1,822	691
June	51,423	43,253	40,551	51,721	135,525	161,071	163,158	n.p.	n.p.
July	50,984	44,010	42,144	55,575	141,729	158,233	163,697	450	n.p.
August	51,820	48,108	45,936	65,813	159,857	171,107	163,659	706	n.p.
September	53,184	44,459	45,591	55,576	145,626	163,649	163,297	803	342
October	57,366	49,077	55,341	78,959	r183,377	r159,593	162,701	r504	576
November	50,301	51,915	58,879	87,343	198,137	165,045	161,957	971	379
December	45,313	51,078	59,218	76,387	186,682	156,253	161,520	592	732
1990—									
January	44,611	46,648	52,153	73,107	171,908	164,362	161,514	992	412
1988-89: July to Jan.	351,973	346,948	347,385	503,351	1,197,685	..	..	9,280	n.p.
1989-90: July to Jan.	353,579	335,295	359,262	492,759	1,187,316	..	..	5,018	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)

Period	Canned and bottled (111.03.05.06.07) by Capital City Statistical Division					Total
	Sydney	Melbourne	Brisbane	Other(a)		
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—						
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	12,822		71,607
August	31,281	29,889	16,032	23,713		100,915
September	36,706	31,018	20,700	22,667		111,091
October	37,197	35,048	26,998	24,593		123,835
November	37,603	33,982	25,619	32,539		129,743
December	31,654	43,567	20,770	34,154		130,144
1990—						
January	36,166	41,672	24,361	30,384		132,583
1988-89: July to Jan.	260,674	227,634	151,435	174,185		813,978
1989-90: July to Jan.	233,812	238,704	146,532	180,872		799,920

(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.	Australia		
1986-87	386,048	339,983	237,624	107,010	116,649	18,189	1,205,503	285	114,660
1987-88	432,057	389,261	255,534	n.p.	n.p.	20,422	1,346,077	736	120,568
1988-89	468,769	391,506	286,192	n.p.	n.p.	n.p.	1,447,832	1,284	130,161
1988—									
November	60,031	42,221	34,856	n.p.	n.p.	2,318	171,564	40	12,497
December	46,134	34,437	29,040	n.p.	n.p.	1,757	146,150	39	13,986
1989—									
January	41,921	38,164	27,651	n.p.	n.p.	2,352	136,696	36	12,132
February	40,841	38,338	22,746	n.p.	n.p.	2,184	131,602	58	10,026
March	45,080	38,860	21,944	n.p.	n.p.	2,683	137,126	86	11,348
April	38,686	36,510	22,891	n.p.	n.p.	1,257	118,490	128	9,561
May	29,649	21,808	19,891	n.p.	n.p.	1,739	89,690	248	9,141
June	25,363	22,979	16,404	n.p.	n.p.	1,467	82,292	167	9,972
July	25,295	23,804	15,775	5,156	n.p.	n.p.	78,736	94	8,085
August	34,043	30,322	18,321	12,213	n.p.	n.p.	107,601	52	12,060
September	38,810	31,284	25,570	11,538	n.p.	n.p.	119,316	76	9,642
October	40,370	35,342	32,071	10,912	n.p.	n.p.	133,580	98	11,043
November	40,989	34,292	30,361	15,546	n.p.	n.p.	140,491	165	10,078
December	35,761	44,004	25,211	17,124	n.p.	n.p.	141,59	53	13,040
1990—									
January	41,572	42,016	28,807	12,583	n.p.	n.p.	144,764	86	13,774
1988-89: July to Jan.	289,148	233,041	182,316	n.p.	n.p.	n.p.	888,633	597	80,113
1989-90: July to Jan.	256,841	241,064	176,116	85,072	n.p.	n.p.	865,647	626	77,723

(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—										
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.	10,871	n.p.	42,961
December	n.p.	n.p.	1,345	n.p.	4,751	12,431	n.p.	8,871	n.p.	45,671
1990—										
January	2,219	n.p.	1,351	n.p.	6,518	9,814	n.p.	8,536	n.p.	39,101
1989-90: July to Jan.	n.p.	n.p.	n.p.	n.p.	30,677	n.p.	n.p.	63,373	n.p.	260,986

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)				
	NSW	Vic.	Qld	Other States	Australia	NSW	Vic.	Qld	Other States	Australia
	Not available prior to July 1989									
1989—										
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	16,206	11,988	76,132
December	n.p.	n.p.	2,436	11,208	19,398	20,740	27,214	12,557	10,827	71,338
1990—										
January	1,337	4,109	2,442	10,258	18,145	28,203	24,610	16,478	11,708	80,999
1989-90: July to Jan.	n.p.	n.p.	n.p.	57,123	103,659	169,892	144,406	89,376	66,899	470,573

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	SA	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—										
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	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.
1990—										
January	n.p.	2,093	1,884	n.p.	10,156	888	986	n.p.	n.p.	n.p.
1988-89: July to Jan.	n.p.	13,386	13,830	n.p.	70,377	5,412	3,234	n.p.	n.p.	n.p.
1989-90: July to Jan.	n.p.	13,305	11,511	n.p.	60,119	5,788	3,971	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	
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—						
November	2,914	16,396	2,756			1,978
December	3,294	13,757	2,277			1,889
1989—				Not available prior to July 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	12,334	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	2,182	20,768	2,764	9,354	n.p.	1,823
1990—						
January	1,447	16,139	2,210	9,863	n.p.	2,787
1988-89: July to Jan.	11,599	95,860	20,518	n.a.	n.a.	19,359
1989-90: July to Jan.	9,632	109,470	18,938	59,641	n.p.	19,208

(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)

(tonnes)								
Period	Bran (from wheat) (081.21)	Groats meals 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 mash (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—								
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—			Not available prior to July 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	9,097	58,090	31,181	17,526
December	5,711	n.p.	35,977	141,986	9,097	66,281	29,140	17,063
1990—								
January	10,776	n.p.	34,122	143,423	8,852	53,868	28,571	22,812
1990: January								
New South Wales	7,873	n.p.	12,107	51,528	3,076	23,537	11,227	4,118
Victoria	528	n.p.	11,091	41,831	—	n.p.	7,013	n.p.
Other States	2,375	n.p.	10,924	50,064	5,776	n.p.	10,331	n.p.
1988-89: July to Jan.	55,429	n.a.	n.a.	962,772	67,167	383,830	192,239	196,697
1989-90: July to Jan.	54,387	n.p.	255,616	977,448	65,442	419,739	217,440	142,856

(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 meat 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	Sunflower	Crude oil	Refined
	Edible (411.42)	Inedible (411.43)	Refined (411.38)	(081.31)	(081.35)	(421.52)	(421.53)
1986-87	84,875	268,208					
1987-88	84,437	289,059					
1988-89	77,831	297,816					
1988—							
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	35,026	10,185	6,657	2,728
August	6,114	30,957	8,186	36,492	9,259	8,409	2,771
September	5,441	29,991	9,309	37,151	7,002	12,383	4,742
October	5,066	32,368	7,404	37,950	8,645	7,182	1,790
November	6,778	34,589	8,606	40,418	11,530	4,589	2,217
December	6,094	29,803	7,490	35,465	14,750	7,794	2,269
1990—							
January	6,132	27,503	5,220	37,234	7,341	6,623	4,961
1988-89: July to Jan.	43,537	164,590	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Jan.	41,228	213,514	54,726	259,736	58,512	53,637	21,477

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—			
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	2,021	2,130
August	2,389	2,108	2,142
September	2,077	2,338	2,290
October	2,240	2,113	2,284
November	2,677	2,329	2,368
December	2,143	2,598	2,440
1990—			
January	1,310	2,639	2,496
1988-89: July to Jan.	14,983	..	..
1989-90: July to Jan.	15,009	..	..

(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 (AMPCC), which was developed by the ABS to facilitate greater comparability of manufacturing production commodity statistics with import and export commodity statistics. AMPCC 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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