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**Australian
Bureau of
Statistics**

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

Catalogue No. 8359.0

EMBARGOED UNTIL 11.30 A.M. 6 FEBRUARY 1990

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

IAN CASTLES
Australian Statistician



AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8359.0

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PHONE INQUIRIES	• <i>about these statistics and the availability of related unpublished statistics</i>—contact Tony Hunt on Canberra (062) 52 5558 or any ABS State office. • <i>about other statistics and ABS services</i>—contact Information Services on Canberra (062) 52 6007, 52 6627, 52 5402 or any ABS State office.
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TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM

Period	Milk and cream, concentrated or sweetened, in liquid form				Milk based food preparations (eg health, invalid or baby preparations(a)) (098.74)	Yoghurt(b) (022.31)
	Unsweetened		Sweetened (022.24)	Cream, not concentrated or sweetened (022.13)		
	Skim milk concentrate (022.27)	Other milk and cream concentrate (022.28)				
	tonnes	tonnes				
1986-87	20,402					50,968
1987-88	24,251					53,157
1988-89	58,178					60,781
1988—						
August	5,145					7,683
September	5,012					5,676
October	6,381					5,464
November	5,305		Not available prior to July 1989			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	3,987
August	4,009	3,012	n.p.	8,282	2,851	4,776
September	4,434	4,175	n.p.	11,653	n.p.	4,894
October	5,078	5,060	n.p.	13,260	n.p.	5,370
1988-89: July to Oct.	20,634	n.a.	n.a.	n.a.	n.a.	21,626
1989-90: July to Oct.	17,875	13,799	n.p.	39,695	n.p.	19,027

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	16,870	168,023	119,210	7,663
1988—				
August	249	5,512	8,961	423
September	1,449	8,799	14,118	891
October	1,641	6,693	18,763	1,337
November	1,417	7,939	18,049	1,226
December	1,100	19,344	15,917	1,130
1989—				
January	1,611	8,440	12,628	712
February	1,196	6,123	7,248	352
March	1,165	4,897	6,193	359
April	43	4,262	4,044	319
May	42	1,341	5,205	406
June	64	1,218	4,342	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
1988-89: July to Oct.	3,432	24,459	45,584	2,866
1989-90: July to Oct.	2,807	23,584	48,105	3,181

(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
(¹000 litres)

Period	Ice cream(a)				Other frozen confections				
	Over 4 litres		Milk ices(b)		Milk based mixtures for soft serves and thick ice 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)	Other (022.35)	Up to and incl. 200 mls (022.36)	Over 200 mls (022.37)	Water ices, fruit ices (022.39)	(098.82)	
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	99,505	20,117	22,579	28,151	17,308		
1988—									
August	1,803	5,973	8,008	1,294	1,705	1,694	1,216	Not available	
September	2,611	7,669	8,127	1,674	1,857	2,214	1,674	July 1989	
October	2,792	7,176	10,113	1,728	1,874	2,932	1,551		
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		
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	4,997	802	969	1,272	1,457		
July	1,533	4,004	4,130	847	1,030	1,233	1,223	n.y.a.	
August	2,382	6,244	5,065	1,294	1,160	1,832	1,162	n.y.a.	
September	2,285	7,470	6,454	1,516	1,674	1,347	1,621	n.y.a.	
October	2,863	8,081	7,329	2,132	2,650	2,032	1,523	n.y.a.	
1988-89: July to Oct.	8,518	25,282	31,855	5,562	7,216	8,002	5,554	n.a.	
1989-90: July to Oct.	9,063	25,799	22,978	5,789	6,514	6,444	5,529	n.y.a.	

(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—								
August	75	5,044	257	202	143	135	5,856	10,509
September	104	10,480	360	163	165	225	11,497	10,149
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	15,185	237	190	150	160	15,958	10,336
September	108	10,513	389	191	177	375	11,753	9,859
October	144	14,361	356	193	205	682	15,941	7,882
1988-89: July to Oct.	348	31,467	1,210	721	573	945	35,264	39,903
1989-90: July to Oct.	366	32,789	1,239	752	640	1,325	37,111	37,765

(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—							
August	580	4,740	822	1,867	389	160	8,558
September	820	9,479	801	2,561	432	929	15,022
October	962	19,527	741	2,715	441	1,305	115,691
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	19,095	932	1,568	6	1,162	113,536
February	498	17,295	641	650	—	1,107	110,191
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	11,032	582	1,359	341	3	15,577
July	352	2,117	449	1,277	447	—	14,590
August	450	4,863	682	1,467	394	218	18,075
September	672	8,590	508	2,447	435	1,278	13,930
October	872	9,095	475	2,759	428	1,697	15,326
1988-89: July to Oct.	2,644	25,470	2,897	8,663	1,651	2,394	43,718
1989-90: July to Oct.	2,346	24,613	2,114	7,950	1,704	3,193	41,921

(a) Source: Australian Dairy Corporation. Includes Cheddar, Cheshire, Cheddar, Colby, Dunlop, Gloucester, Leicester, Nibbin, 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—							
August	680	2,594	462	375	64	379	4,554
September	676	4,124	550	597	82	858	6,887
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	526	2,356	590	516	71	660	4,790
June	581	1,925	560	371	82	258	3,722
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
1988-89: July to Oct.	2,698	12,872	1,897	1,819	281	2,776	22,343
1989-90: July to Oct.	2,626	11,416	1,974	2,248	315	1,934	20,513

(a) Source: Australian Dairy Corporation.

TABLE 6: PREPARED OR PRESERVED VEGETABLES
(tonnes)

Period	Not pickled				Pickled					Total prepared or preserved vegetables picked and not picked
	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—										
August					n.p.	171	n.p.	169	251	
September					n.p.	123	n.p.	135	373	Not available
October				Not available prior to July 1989	n.p.	243	n.p.	271	84	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.	1132	n.p.	1125	229	
July	61.8	n.p.	345	4,831	n.p.	1202	43	111	n.p.	24,735
August	73.9	n.p.	n.p.	16,316	n.p.	1188	62	111	145	25,543
September	231.4	n.p.	n.p.	9,624	n.p.	188	73	174	n.p.	28,592
October	158.8	n.p.	n.p.	12,277	n.p.	247	113	202	n.p.	32,274
1988-89: July to Oct.	n.a.	n.a.	n.a.	n.a.	n.p.	642	n.p.	684	862	n.a.
1989-90: July to Oct.	526	n.p.	n.p.	33,048	n.p.	825	290	604	n.p.	111,145

(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 there of with bone in (016.11)	Other (016.12.19)
1986-87	12,787	9,641	n.p.		
1987-88	n.p.	10,066	2,385		
1988-89	n.p.	10,490	2,663		
1988—					
August	n.p.	639	n.p.		
September	n.p.	832	n.p.		
October	n.p.	673	n.p.		Not available
November	n.p.	1,147	n.p.		prior to July 1989
December	410	654	n.p.		
1989—					
January	n.p.	559	n.p.		
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	5,815
August	227	829	326	1,759	16,094
September	439	1,202	390	1,152	6,289
October	388	1,012	171	1,786	6,865
1988-89: July to Oct.	1,730	2,942	n.p.	n.a.	n.a.
1989-90: July to Oct.	1,512	3,782	1,165	4,457	25,063

(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)								
	Crustaceans (chilled or frozen)						Molluscs and aquatic invertebrates		
	Prepared or preserved fish products	Fish fillets frozen canned(a) (034.30)	Fish frozen canned(a) (037.18)	Shrimps and prawns (036.14)	Rock lobster and crayfish		Chilled, frozen, dried, salted or in brine(b)	Abalone (036.34)	Scallops (036.36)
					Tails (036.14)	Whole (036.13)			
1986-87		2,795	8,409						
1987-88		3,149	8,317						
1988-89		2,314	8,650						
1988—									
August		268	756						
September		266	729						
October		99	590						
November		79	799						
December		132	710						
Not available prior to July 1989									
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.	12.4	n.p.	28.4	15.8
August		455	656	1840	—	11.0	7.76	18.7	43.1
September		204	615	682	n.p.	2.5	n.p.	24.8	24.8
October		155	514	730	n.p.	8.9	n.p.	19.3	46.0
1988-89: July to Oct.		1,080	2,752	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Oct.		1,714	2,290	3,057	n.p.	34.8	n.p.	91.2	130

(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			82,667	..	..	63,288	..	..
1987-88			85,979	..	..	66,770	..	..
1988-89			192,597	..	..	64,655	..	..
1988—								
August			7,231	6,870	7,220	5,982	5,587	5,794
September			8,104	6,010	7,526	6,274	5,592	5,616
October			7,689	7,980	7,800	6,442	5,367	5,382
November			7,370	7,315	7,991	6,285	5,311	5,161
December			6,612	8,500	8,084	4,407	4,879	5,025
1989—								
January			4,465	8,554	8,062	2,303	4,867	5,017
February			8,181	7,724	7,951	5,206	4,961	5,095
March			8,866	7,656	7,853	4,989	4,909	5,192
April			8,572	7,820	7,784	5,178	6,102	5,270
May			9,176	7,899	7,775	5,531	5,269	5,294
June			8,645	8,051	7,870	5,076	5,139	5,269
July			8,264	7,621	8,049	5,763	5,475	5,225
August			18,693	9,556	9,097	5,722	5,376	5,417
September			7,967	7,035	7,124	6,114	5,467	5,328
October			8,104	9,116	8,549	6,506	5,351	5,260
1988-89: July to Oct.		n.a.	30,709	..	..	25,590	..	..
1989-90: July to Oct.		31,165	33,972	..	..	24,104	..	..

(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—									
August	2,876								
September	2,821								
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.y.a.	n.y.a.	1,910	—	—	n.p.	n.p.	2,991
August	3,319	n.y.a.	n.y.a.	1,554	—	—	n.p.	n.p.	3,727
September	2,749	n.y.a.	n.y.a.	674	—	—	n.p.	n.p.	5,137
October	2,750	n.y.a.	n.y.a.	756	—	—	n.p.	n.p.	4,536
1988-89: July to Oct.	11,501	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Oct.	11,665	n.y.a.	n.y.a.	4,894	—	—	n.p.	n.p.	16,392

(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, hatched, 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
1986-87	42,152					161,940
1987-88	46,598					173,550
1988-89	48,423					180,941
1988 —						
August	3,899					14,984
September	4,716					17,533
October	3,855					14,171
November	3,969					15,349
December	3,927					13,252
1989 —						
January	3,875					14,691
February	3,724					14,975
March	4,086					15,261
April	3,746					14,543
May	4,059					15,037
June	4,614					16,669
July	4,212	n.p.	198,441	11,193	n.p.	18,638
August	4,333	n.p.	107,714	9,914	n.p.	19,012
September	4,228	n.p.	107,031	9,411	n.p.	17,498
October	4,177	n.p.	95,998	9,574	n.p.	18,760
1988-89: July to Oct.	16,442	n.a.	n.a.	n.a.	n.a.	61,165
1989-90: July to Oct.	16,951	n.p.	409,184	40,092	n.p.	73,908

Not available prior to July 1989

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 (068.95)	Other (068.96)
1986-87	71,004	92,895					
1987-88	84,592	94,631					
1988-89	97,035	101,099					
1988—							
August	7,202	8,646					
September	8,244	8,013					
October	8,067	8,519					
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.y.a.	n.p.	1,837	1,210	105
August	8,412	7,818	n.y.a.	n.p.	1,779	2,155	115
September	9,000	7,592	n.y.a.	n.p.	2,010	1,704	136
October	9,049	7,408	n.y.a.	n.p.	1,941	2,035	110
1988-89: July to Oct.	30,568	33,368	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Oct.	34,767	30,341	n.y.a.	n.p.	7,568	7,104	465

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

TABLE 12. MALT, ALE AND BEER

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	'000 litres	
1986-87	542,453	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—										
August	52,881	47,120	44,340	62,053	153,512	161,847	164,809	n.p.	n.p.	n.p.
September	48,276	46,941	38,531	59,555	145,028	155,751	165,126	n.p.	n.p.	n.p.
October	51,732	52,935	54,269	76,543	183,747	168,557	164,733	n.p.	n.p.	n.p.
November	51,752	54,719	63,372	92,438	210,529	174,187	163,631	1,763	n.p.	n.p.
December	46,980	54,593	62,120	86,626	203,339	162,942	162,112	n.p.	n.p.	561
1989—										
January	49,495	44,497	42,153	66,675	153,325	152,682	160,777	1,412	n.p.	n.p.
February	42,145	43,733	40,738	59,819	144,290	152,093	159,689	1,168	n.p.	n.p.
March	46,910	51,995	49,413	68,151	169,558	169,656	156,204	1,445	n.p.	n.p.
April	47,313	42,261	40,792	60,615	143,669	156,037	159,922	1,331	779	n.p.
May	50,013	49,751	47,351	62,921	160,024	165,962	161,336	1,822	691	n.p.
June	51,423	43,253	40,551	51,721	135,525	161,071	162,276	n.p.	n.p.	n.p.
July	50,984	44,010	42,144	55,575	141,729	158,223	163,016	450	n.p.	n.p.
August	51,820	48,108	45,936	65,813	159,857	171,107	164,428	706	n.p.	n.p.
September	53,184	44,459	45,591	55,576	145,626	163,649	166,790	803	n.p.	n.p.
October	57,336	49,077	55,374	78,959	183,409	159,621	169,759	519	n.p.	n.p.
1988-89: July to Oct.	203,746	193,139	179,740	257,613	630,492	..	..	5,255	n.p.	n.p.
1989-90: July to Oct.	213,354	185,654	189,044	255,923	630,621	..	..	2,478	n.p.	n.p.

(a) Excludes low alcohol 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 (11/10/05,06/07) by Capital City Statistical Division				
	Sydney	Melbourne	Brisbane	Other(a)	Total
1986-87	354,07	329,130	199,000	216,754	1,098,963
1987-88	390,621	376,096	213,103	246,848	1,226,668
1988-89	428,080	381,545	237,448	284,102	1,331,175
1988—					
August	31,197	27,736	17,579	18,858	95,370
September	33,121	33,807	22,149	19,800	108,877
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	16,139	74,960
July	23,760	23,528	12,052	12,820	72,160
August	31,281	29,889	16,032	23,712	100,914
September	36,706	31,018	20,700	15,547	103,971
October	28,675	21,633	26,998	24,593	101,899
1988-89: July to Oct.	127,651	115,484	74,917	79,182	397,234
1989-90: July to Oct.	120,422	106,068	75,782	76,672	378,944

(a) Adelaide, Perth, Hobart, Darwin.

TABLE 13. MINERAL WATERS AND AERATED WATERS — continued
(^{'000 litres})

Period	Canned and bottled (11/10/05,06/07)							Bulk pre-mix (11/10/08)	Post-mix concentrates(a) (11/10/09)
	NSW	Vic.	Qld	WA	SA and NT	Tas.	Australia		
1986-87	386,048	339,983	237,624	107,010	116,613	18,189	1,205,467	285	114,660
1987-88	432,057	389,261	255,534	n.p.	n.p.	20,422	1,346,077	736	120,454
1988-89	468,669	391,506	286,192	n.p.	n.p.	n.p.	1,447,733	1,284	130,161
1988—									
August	33,998	28,525	20,056	n.p.	n.p.	1,334	102,430	187	10,117
September	36,940	34,769	26,345	n.p.	n.p.	1,752	119,287	121	10,894
October	44,688	35,074	29,361	n.p.	n.p.	1,714	135,311	60	11,919
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	25,851	22,804	16,031	5151	n.p.	n.p.	79,547	94	8,085
August	34,530	30,322	18,321	12,047	n.p.	n.p.	107,721	52	12,060
September	38,803	31,284	25,570	11,538	n.p.	n.p.	119,310	76	9,642
October	40,132	35,342	32,071	10,912	n.p.	n.p.	133,342	98	11,029
1988-89: July to Oct.	140,962	118,219	90,769	n.p.	n.p.	n.p.	434,123	482	41,499
1989-90: July to Oct.	139,116	120,752	91,993	39,648	n.p.	n.p.	439,920	321	40,817

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

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

(100 litres)										
Period	Not containing added sugar, sweetener nor flavoured (111.03)					Containing added sugar, sweetener or flavoured				
						Canned (111.05)				
	NSW	Vic.	Old	Other States	Australia	NSW	Vic.	Old	Other States	Australia
Not available prior to July 1989										
1989—										
July	—	n.p.	n.p.	n.p.	1,451	n.p.	7,125	5,472	n.p.	22,603
August	—	n.p.	1,101	n.p.	2,643	n.p.	n.p.	7,989	n.p.	34,899
September	—	n.p.	n.p.	n.p.	2,637	n.p.	n.p.	9,462	n.p.	34,771
October	—	n.p.	n.p.	n.p.	4,431	n.p.	n.p.	11,986	n.p.	41,399
1989-90: July to Oct.	—	n.p.	n.p.	n.p.	11,162	n.p.	n.p.	34,909	n.p.	133,672

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

Period	Containing added sugar, sweetener or flavoured — continued									
	Boiled									
	Returnable (111.06)					Non-returnable (111.07)				
	NSW	Vic.	Old	Other States	Australia	NSW	Vic.	Old	Other States	Australia
	Not available prior to July 1989									
1989—										
July	n.p.	n.p.	n.p.	4,335	8,481	19,251	13,683	8,531	5,292	46,757
August	n.p.	n.p.	1,982	7,289	13,301	19,826	20,071	7,249	9,732	56,878
September	n.p.	n.p.	n.p.	6,645	13,667	29,719	17,253	12,849	8,414	68,235
October	n.p.	n.p.	n.p.	7,848	14,304	28,172	20,544	15,460	9,033	73,209
1989-90: July to Oct.	n.p.	n.p.	n.p.	26,117	49,753	96,968	71,551	44,089	32,471	245,078

TABLE 14. CORDIALS AND SYRUPS
(⁰⁰⁰ litres)

Period	Fruit juice cordial and syrup (a) (098.79)					Other cordials and syrups (098.81)				
	NSW	Vic.	Old	Other States	Australia	NSW	Vic.	Old	SA	Other States
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	18,734	5,439	n.p.	n.p.	n.p.
1988—										
August	4,317	1,466	1,715	919	8,417	542	265	n.p.	140	n.p.
September	4,704	1,662	1,670	1,153	9,189	910	486	n.p.	173	n.p.
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	1,819	6,807	384	409	n.p.	n.p.	n.p.
July	1,220	1,791	1,921	1,815	4,747	342	254	n.p.	n.p.	n.p.
August	1,942	1,713	2,556	1,107	7,318	1,607	355	n.p.	n.p.	n.p.
September	3,854	1,902	3,324	1,156	10,236	691	457	n.p.	n.p.	n.p.
October	3,555	2,267	3,056	1,161	10,039	1,111	473	n.p.	n.p.	n.p.
1988-89: July to Oct.	17,502	5,253	6,819	3,896	33,470	2,809	1,474	n.p.	n.p.	n.p.
1989-90: July to Oct.	10,571	6,674	10,857	4,238	32,340	2,752	1,539	n.p.	n.p.	n.p.

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

TABLE 15. OTHER FOOD AND DRINK

Period	Non-aerated drinks (d)							Tomato sauce (098.42)
	Wine based mixed drinks (a) (112.19)	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)	Soups and broth (incl. dry powdered soup) (098.50)		
	drinks (a) (112.19)	Citrus (c) (059.40)	Apple (059.61)					
	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	tonnes	'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	153,164					33,697
1988 —								
August	627	13,371	3,496					3,031
September	1,046	14,516	2,921					3,245
October	1,494	13,115	3,009					3,722
November	2,914	16,396	2,756	Not available prior to July 1989				1,978
December	3,294	13,757	2,277					1,889
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	18,501					2,430
May	263	4,764	10,814					3,120
June	428	9,463	6,481					2,452
July	355	10,669	2,666	14,380	n.y.a.	n.y.a.	n.y.a.	2,183
August	354	12,352	2,587	15,256	n.y.a.	n.y.a.	n.y.a.	3,485
September	1,089	12,384	2,897	6,226	n.y.a.	n.y.a.	n.y.a.	2,440
October	1,289	16,031	2,673	4,927	n.y.a.	n.y.a.	n.y.a.	3,328
1988-89: July to Oct.	4,044	52,667	13,188	n.a.	n.a.	n.a.	n.a.	12,768
1989-90: July to Oct.	3,088	51,436	10,823	20,790	n.y.a.	n.y.a.	n.y.a.	11,436

(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)

		Groats meals and pellets of wheat (046.22)	Sharps and other residues of wheat or rye (081.27)	Prepared stock and poultry feeds (a)				
Period	Bran (from wheat) (081.21)			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 r	95,794			1,607,805	115,850	682,854	319,748	335,683
1988—								
August	8,411			131,527	10,492	53,640	33,570	27,475
September	8,428			133,835	10,402	59,894	31,699	29,654
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	17,769	4,056	135,676	139,247	8,689	56,249	26,700	27,638
August	18,397	n.y.a.	137,325	130,999	10,579	58,239	31,418	20,496
September	7,479	n.y.a.	36,731	137,602	11,014	67,020	36,940	19,358
October	6,459	n.y.a.	36,849	146,511	10,014	57,165	33,443	22,215
1989: October								
New South Wales	3,728	n.y.a.	13,126	54,103	3,683	24,620	13,380	9,132
Victoria	545	—	12,717	41,630	—	10,381	6,534	3,632
Other States	2,186	n.y.a.	11,006	50,778	6,331	22,164	13,529	9,451
1988-89: July to Oct.								
33,024	n.a.	n.a.		549,410	40,541	218,064	119,121	115,857
1989-90: July to Oct.	30,104	n.y.a.	146,581	554,359	40,296	238,673	128,501	89,707

(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 (081.31)	Sunflower (081.35)	Crude oil (421.52)	Refined (421.53)
	Edible (411.42)	Inedible (411.43)					
1986-87	184,875	268,208					
1987-88	184,437	289,059					
1988-89	177,831	1297,816					
1988—							
August	6,471	22,727					
September	7,671	25,185					
October	6,237	25,317					
November	7,649	28,022		Not available prior to July 1989			
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	127,881					
June	6,113	25,996					
July	5,574	128,302	8,483	135,022	10,185	6,657	2,728
August	6,085	130,957	18,157	136,488	9,259	8,409	2,771
September	5,413	29,991	9,281	37,147	7,002	12,383	4,742
October	5,037	31,895	7,375	40,601	8,645	7,182	1,790
1988-89: July to Oct.	25,500	92,746	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90: July to Oct.	22,109	121,145	33,296	149,259	35,091	34,630	12,031
							9,460

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—			
August	2,493	2,205	2,262
September	2,205	2,374	2,255
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	2,210
June	2,420	2,204	2,174
July	2,173	2,021	2,154
August	2,389	2,108	2,149
September	2,077	2,338	2,152
October	2,240	2,113	2,161
1988-89: July to Oct.	9,341	..	..
1989-90: July to Oct.	8,879	..	..

(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 incorporated 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 quarterly

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 (8356.0)

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

10. Current publications produced by the ABS are listed in the *Catalogue of Publications, 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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