

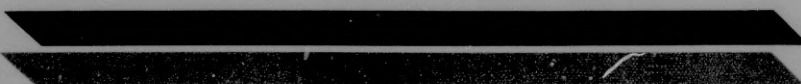


Manufacturing Production Australia

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

September 1992

Catalogue No. 8359.0

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MANUFACTURING PRODUCTION, AUSTRALIA
FOOD, DRINK, TOBACCO, STOCK AND POULTRY FOOD
SEPTEMBER 1992

RICHARD MADDEN
Acting Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8359.0

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INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Vaughn Moore on Melbourne (03) 615 7635 or any ABS office.
- for information about other ABS statistics and services please refer to the back page of this publication.

TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM

Period	Unsweetened milk and cream, in liquid form		Cream, not concentrated or sweetened (022.13)	Milk based food pre- parations (e.g. health, invalid or baby preparations(a)) (098.74)	Yoghurt(b) (022.31)
	Skim milk concentrate (022.27)	Other milk and cream concentrate (022.28)			
	tonnes	tonnes	'000 litres	tonnes	tonnes
1989-90	43,449	43,465	171,276	34,375	59,424
1990-91	51,682	43,752	203,695	29,545	64,745
1991-92	49,897	39,563	205,657	29,808	72,055
1991 —					
July	2,812	1,526	9,169	2,120	5,150
August	3,429	1,936	11,842	2,360	5,642
September	3,865	3,766	19,418	2,853	5,794
October	5,081	4,417	23,320	2,299	6,904
November	4,282	4,335	25,671	3,272	6,704
December	4,098	3,818	25,846	2,290	5,179
1992 —					
January	5,300	4,317	20,930	1,413	6,005
February	4,432	4,056	17,034	2,481	6,378
March	4,656	4,403	16,415	3,259	6,819
April	4,196	3,422	13,208	2,593	6,016
May	4,403	2,043	11,655	2,281	5,764
June	3,341	1,524	11,147	2,387	5,700
July	3,571	1,344	9,202	2,236	5,735
August	4,623	2,217	13,640	2,622	5,748
September	5,499	3,488	22,685	2,748	6,440
1991-92: July to Sep.	10,106	7,228	40,430	7,333	16,586
1992-93: July to Sep.	13,692	7,049	45,527	7,626	17,922

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

Period	Milk in powdered form(c)			
	Casein(c)	Wholermilk	Skim or mixed skim and buttermilk	Buttermilk
1989-90	5,328	56,476	135,048	8,681
1990-91	2,293	59,683	146,619	9,152
1991-92	2,575	169,351	148,562	11,230
1991 —				
July	74	2,925	3,702	317
August	372	5,628	6,440	495
September	342	7,025	15,555	1,003
October	368	6,245	23,503	1,392
November	475	8,039	24,948	1,497
December	140	9,029	21,738	1,583
1992 —				
January	333	8,062	15,698	1,378
February	270	7,459	11,515	985
March	63	6,850	19,817	993
April	44	4,064	5,463	695
May	37	1,877	4,800	493
June	57	2,158	5,383	399
July	162	2,896	5,417	1,357
August	470	5,656	7,711	540
September	668	9,724	16,902	1,404
1991-92: July to Sep.	788	15,578	25,697	1,815
1992-93: July to Sep.	1,200	18,276	30,030	2,301

(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			
	Up to and incl. 200mls (021.04)	Over 200mls but under 4 litres (021.05)	Over 4 litres		Up to and incl. 200mls (022.36)	Over 200mls (022.37)	Water ices, fruit ices (022.39)	Milk based mixtures for soft serves and thick shakes(c) (098.82)
			For home consump- tion (022.34)	Other (022.35)				
1989-90	26,851	79,449	71,921	18,900	21,161	29,246	13,585	18,972
1990-91	24,254	76,588	71,767	19,745	21,394	34,616	13,405	19,525
1991-92	24,117	81,963	68,384	20,386	19,156	31,758	11,940	20,914
1991 —								
July	1,369	5,899	5,338	1,676	1,332	2,747	285	1,725
August	1,628	5,310	3,979	1,535	1,287	2,405	609	1,450
September	2,286	7,054	5,493	1,791	1,462	2,793	1,172	1,659
October	2,843	7,596	6,468	1,886	1,740	3,284	1,773	1,797
November	2,624	8,592	7,573	2,015	2,084	3,054	1,671	1,645
December	2,685	8,062	7,065	1,892	2,041	2,649	1,679	2,165
1992 —								
January	2,017	7,383	6,556	2,329	1,922	2,901	1,473	2,170
February	1,961	7,965	6,044	1,722	1,788	3,005	1,115	1,563
March	1,906	7,981	6,023	1,586	1,864	2,731	776	1,831
April	1,590	6,049	5,912	1,312	1,342	2,228	623	1,154
May	2,245	6,220	4,541	1,464	1,398	2,391	499	1,391
June	964	3,851	3,391	1,179	896	1,569	266	1,365
July	1,172	4,946	4,273	1,470	1,540	1,930	396	1,754
August	1,457	7,329	5,981	1,252	1,947	2,516	552	1,499
September	2,461	6,324	6,041	1,367	1,939	2,468	892	2,061
1991-92: July to Sep.	5,282	18,264	14,810	5,001	4,081	7,945	2,066	4,834
1992-93: July to Sep.	5,090	18,600	14,295	4,089	5,426	6,914	1,840	5,314

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

TABLE 3. BUTTER AND MARGARINE
(tonnes)

Period	Butter plus direct butteroil(a)					Margarine		
	NSW	Vic.	Qld	SA	WA	Tas	Australia	Table (091.02)
1989-90	1,106	90,071	4,195	2,396	1,339	5,051	104,158	112,533
1990-91	971	92,850	3,608	1,582	1,477	5,381	105,870	119,123
1991-92	1,313	97,198	3,342	1,248	1,989	5,539	110,680	116,726
1991 —								
July	16	1,708	253	68	198	216	2,459	12,940
August	70	3,846	235	80	206	228	4,665	10,474
September	116	9,042	206	58	208	347	9,977	11,205
October	110	12,739	222	105	169	500	13,846	11,369
November	44	14,306	227	118	167	716	15,579	9,228
December	76	12,701	264	94	135	660	13,931	7,040
1992 —								
January	234	11,228	419	97	154	640	12,771	7,463
February	156	8,696	293	90	166	527	9,927	9,935
March	149	7,887	336	64	142	604	9,183	9,287
April	137	6,045	249	164	148	434	7,176	9,016
May	80	4,556	221	163	133	418	5,571	9,680
June	125	4,444	417	147	163	299	5,595	9,087
July	r 271	3,267	r 360	r 142	r 293	272	r 4,605	11,746
August	198	5,795	405	103	278	259	7,038	9,933
September	285	10,678	454	137	249	395	12,198	9,824
1991-92: July to Sep.	202	14,596	694	206	612	791	17,101	34,619
1992-93: July to Sep.	754	19,740	1,219	382	820	926	23,841	31,503

(a) Source: Australian Dairy Corporation

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

Period	NSW	Vic.	Qld	SA	WA	Tas.	Australia
1989-90	14,165	103,251	12,842	22,774	4,129	18,172	175,333
1990-91	13,330	104,515	12,397	24,522	5,258	19,413	179,432
1991-92	14,180	123,038	11,327	23,494	5,380	20,021	r 199,445
1991 —							
July	1,181	4,586	970	2,160	545	151	r 9,594
August	1,131	7,701	862	2,290	675	596	r 13,257
September	1,239	12,093	953	2,471	691	1,618	r 19,066
October	1,652	15,059	814	3,037	750	2,938	r 24,251
November	1,338	14,778	804	2,516	527	3,018	r 22,980
December	1,319	13,141	1,146	1,912	347	2,896	r 22,760
1992 —							
January	1,542	16,015	1,177	1,927	186	2,927	23,774
February	1,174	11,762	1,051	1,258	102	2,029	17,376
March	954	9,859	994	829	234	1,623	14,493
April	901	8,188	879	1,453	270	1,065	12,756
May	856	5,784	847	1,779	457	904	r 10,628
June	893	4,072	830	1,862	596	256	r 8,510
July	r 1,007	r 5,301	1,016	r 2,135	577	194	r 10,230
August	1,362	8,462	1,085	2,409	625	543	14,486
September	1,471	11,546	1,072	2,541	638	1,509	18,776
1991-92: July to Sep.	3,551	24,380	2,785	6,921	1,911	2,365	41,917
1992-93: July to Sep.	3,840	25,309	3,173	7,085	1,840	2,246	43,492

(a) Source: Australian Dairy Corporation

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

Period	Cheddar and cheddar types(b)	Round eye(c)	Shredding(d)	Hard grating(e)	Fresh(f)	Other(g)
1989-90	116,702	7,453	20,361	5,336	17,074	8,405
1990-91	118,389	6,526	22,209	6,248	18,923	7,134
1991-92	130,035	6,548	26,089	8,389	20,003	6,380
1991 —						
July	5,598	217	1,374	525	1,489	391
August	8,172	351	1,669	663	1,457	944
September	12,784	707	2,474	626	1,883	391
October	17,083	971	2,764	803	2,196	433
November	16,265	822	2,594	1,045	1,824	430
December	14,773	674	2,489	731	1,642	451
1992 —						
January	17,102	693	2,529	1,199	1,742	509
February	11,582	515	2,282	836	1,640	522
March	8,882	347	1,950	922	1,567	625
April	7,984	410	1,575	400	1,654	734
May	5,659	318	2,460	242	1,635	713
June	4,151	323	1,929	397	1,274	437
July	r 6,072	198	1,427	625	r 1,500	408
August	9,161	371	1,793	751	1,583	827
September	12,697	634	2,395	610	1,943	497
1991-92: July to Sep.	26,554	1,275	5,517	1,814	4,829	1,926
1992-93: July to Sep.	27,930	1,203	5,615	1,986	5,026	1,732

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

TABLE 6. PREPARED OR PRESERVED VEGETABLES
(tonnes)

Period	Not pickled					Pickled					Total prepared or preserved vegetables pickled and not pickled
	Fresh vegetable salads(a)	Frozen vegetables	Tomato pulp, puree and paste	Other	Cucumber	Gherkins	Olives	Onions	Other		
	(054.30)	(056.60)	(056.73)	(056.72, 87,88,89)	(056.81)	(056.82)	(056.83)	(056.84)	(056.85)		
1989-90	2,183	r 277,138	31,844	134,633	2,598	2,154	727	3,087	2,619	r 456,984	
1990-91	1,736	r 269,143	31,985	133,377	1,666	2,058	746	2,779	1,964	r 445,454	
1991-92	1,538	r 286,069	27,807	133,166	1,687	2,800	943	7,786	1,768	r 463,563	
1991 —											
July	52	r 22,759	757	11,169	76	75	103	119	262	r 35,373	
August	52	r 20,719	2,098	8,939	81	212	89	123	102	r 32,415	
September	88	20,692	969	11,260	95	441	133	371	133	34,181	
October	142	r 22,364	1,062	10,641	89	450	96	945	161	r 35,950	
November	152	r 23,963	1,444	11,486	57	281	75	1,516	165	r 39,140	
December	302	r 21,107	n.p.	6,668	88	507	41	1,300	57	r 30,429	
1992 —											
January	158	r 21,826	980	11,113	199	163	84	236	106	r 34,865	
February	139	r 27,591	5,629	16,274	393	181	45	813	100	r 51,166	
March	133	r 30,649	8,310	20,458	421	96	84	806	111	r 61,068	
April	133	r 24,587	3,656	11,439	145	142	89	568	283	r 41,041	
May	105	22,244	n.p.	6,351	n.p.	107	44	796	137	31,143	
June	81	n.p.	1,208	7,368	n.p.	145	60	193	150	36,791	
July	51	25,214	1,360	9,929	n.p.	128	58	98	n.p.	36,959	
August	55	20,664	2,046	8,610	n.p.	r 145	110	257	n.p.	r 32,020	
September	72	20,612	2,035	10,266	n.p.	138	79	198	n.p.	33,546	
1991-92: July to Sep.	192	64,170	3,824	31,368	252	728	325	613	497	101,969	
1992-93: July to Sep.	178	66,491	5,442	28,805	n.p.	412	247	533	n.p.	102,526	

(a) In plastic or similar containers.

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

Period	Canned meat for human consumption(a)			Ham, bacon or other dried, salted or smoked, pig meat(b)	
	Corned beef (016.83)	Mixed meat and vegetables (017.74)	Bacon or ham (017.76)	Ham, shoulders and cuts there-of with bone in (016.11)	Other (016.18)
1989-90	3,656	10,570	n.p.	15,747	74,368
1990-91		17,360		19,776	69,555
1991-92		16,113		23,686	68,341
1991 —					
July		1,348		1,377	5,602
August		1,359		1,507	5,711
September		1,796		1,488	5,471
October		1,339		2,192	6,148
November		1,266		3,326	6,434
December		1,560		4,339	5,604
1992 —					
January		524		1,495	4,772
February		1,126		1,447	5,623
March		1,508		1,825	5,799
April		1,283		1,925	5,693
May		1,362		1,335	5,824
June		1,651		1,430	5,658
July		1,178		1,671	5,950
August		1,242		1,567	5,804
September		1,209		1,798	5,796
1991-92: July to Sep.		4,502		4,372	16,784
1992-93: July to Sep.		3,628		5,036	17,551

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

TABLE 8. FISH, CRUSTACEANS AND MOLLUSCS
(tonnes)

Period	Prepared or preserved crustaceans and molluscs (excl. oysters)									
	Crustaceans (chilled or frozen)					Molluscs and aquatic invertebrates				
	Prepared or preserved fish products		Shrimps and prawns (036.12)	Rock lobster and crayfish		Chilled, frozen, dried, salted or in brine(b)				Abalone otherwise preserved (037.23)
	Fish fillets frozen (034.40)	Fish canned(a) (037.18)		Tails (036.14)	Whole (036.13)	Other (036.15)	Abalone (036.34)	Scallops (036.36)	Other (036.38)	
1989-90	4 322	7 581	7 269	2 534	5 615	118	r 406	859	206	1 226
1990-91	3 956	6 514	8 795	1 476	r 6 635	230	249	1 111	161	1 363
1991-92	2 027	7 022	6 581	1 998	r 7 983	148	207	1 931	398	1 206
1991 —										
July	338	519	733	n.p.	3	26	7	117	2	126
August	285	517	554	n.p.	r 5	1	11	200	4	113
September	159	629	763	—	4	5	5	262	4	114
October	155	409	881	23	r 30	21	14	240	23	101
November	143	607	598	164	518	20	10	221	29	72
December	97	606	376	459	r 1 840	18	16	128	41	73
1992 —										
January	148	599	57	263	r 691	14	29	80	40	70
February	139	621	114	265	r 934	17	25	80	51	148
March	166	789	291	281	r 1 627	7	16	74	31	94
April	123	704	690	291	r 1 296	8	24	112	36	138
May	121	492	737	160	r 636	8	28	182	77	107
June	155	529	687	90	r 398	4	23	236	61	51
July	205	416	692	2	5	4	35	235	27	85
August	201	r 531	623	n.p.	2	3	r 21	296	14	78
September	111	544	734	—	13	8	15	311	24	43
1991-92: July to Sep.	781	1 665	2 050	n.p.	12	32	22	579	10	353
1992-93: July to Sep.	517	1 491	2 050	n.p.	20	15	71	843	65	206

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

TABLE 9. BISCUITS AND CONFECTIONERY
(tonnes)

Period	Biscuits (excl. dog biscuits)(a)		Confectionery					
	Sweet(c) (048.42)	Other (048.44)	Chocolate or containing chocolate(b) (073.80)			Other (062.26)		
			Original	Seas. adj. (d)	Trend(e)	Original	Seas. adj. (d)	Trend(e)
1989-90	87 803	46 071	92 820	..	..	64 020	..	..
1990-91	82 512	48 988	93 631	..	..	64 271	..	..
1991-92	83 155	55 897	94 662	..	..	65 415	..	..
1991 —								
July	8 100	4 455	7 952	7 448	7 954	5 988	5 433	5 542
August	8 523	4 764	9 965	9 365	8 083	6 623	5 967	5 730
September	7 796	5 322	7 789	7 908	8 215	5 845	5 301	5 345
October	7 277	5 245	8 326	7 395	8 233	5 504	4 470	5 344
November	6 725	5 340	8 079	7 974	8 149	6 282	5 466	5 434
December	5 138	4 179	8 028	9 253	8 026	4 973	5 715	5 565
1992 —								
January	4 581	3 782	4 444	7 822	7 878	3 174	6 266	5 672
February	6 780	4 516	7 261	7 171	7 716	5 439	5 518	5 688
March	7 725	4 862	8 607	7 447	r 7 628	6 106	5 710	r 5 624
April	6 232	4 532	8 084	7 915	r 7 658	4 402	5 397	r 5 525
May	7 166	4 552	8 158	7 635	r 7 873	5 272	5 202	r 5 488
June	7 112	4 343	7 968	7 827	r 8 213	5 808	5 515	r 5 548
July	8 409	5 057	9 765	8 868	r 8 543	6 184	5 578	r 5 653
August	7 965	4 883	9 131	9 370	r 8 833	6 839	6 269	r 5 768
September	7 479	5 477	9 070	8 769	9 050	6 471	5 694	5 857
1991-92: July to Sep.	24 418	14 541	25 706	..	..	18 457	..	..
1992-93: July to Sep.	23 853	15 417	28 366	..	..	19 495	..	..

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

TABLE 10. CEREAL PRODUCTS
(tonnes)

Period	Wheat gluten (592.17)	Rice, husked, broken, semi- milled or wholly milled (042.40)	Wheat flour, other than self- raising (046.12)	Groats meals and pellets of wheat for human consumption (046.21)	Maize (corn) flour (047.11)	Starch (592.11,18)
1989-90	47,342	409,868	1,230,403	124,773	n.p.	220,198
1990-91	43,927	490,011	1,227,167	135,704	n.p.	214,058
1991-92	44,586	763,452	1,213,806	138,585	n.p.	220,406
1991 —						
July	4,031	65,147	108,263	12,740	n.p.	18,785
August	3,699	51,877	102,787	12,273	14	19,842
September	3,520	47,382	101,340	12,132	n.p.	17,808
October	3,965	64,735	108,614	13,599	n.p.	19,995
November	3,369	75,242	103,978	9,930	n.p.	18,776
December	2,819	63,426	88,077	8,701	5	13,345
1992 —						
January	3,762	72,643	100,516	10,702	n.p.	17,598
February	3,767	49,293	99,454	9,876	n.p.	18,691
March	3,829	33,516	99,661	11,964	n.p.	18,139
April	4,151	68,746	102,894	12,702	n.p.	19,409
May	3,765	83,891	100,165	11,882	n.p.	18,779
June	3,908	87,554	98,057	12,084	n.p.	19,238
July	4,328	72,412	107,857	13,003	n.p.	21,386
August	4,136	61,897	106,255	11,204	n.p.	23,718
September	3,867	67,393	108,594	10,082	n.p.	19,830
1991-92: July to Sep.	11,250	164,406	312,390	37,145	n.p.	56,435
1992-93: July to Sep.	12,332	201,702	322,706	34,289	n.p.	64,934

TABLE 10. CEREAL PRODUCTS—continued
(tonnes)

Period	Glucose(a) and glucose syrup (061.97)	'Prepared foods' obtained by the swelling or roasting of cereals or cereal products (048.11)	Other worked cereal grains(b) for human consumption (048.16)	Mixes and doughs for the preparation of bakers' wares (048.50)	Pastas		
					Not cooked or prepared (048.30)	Cooked or stuffed	
						Canned (098.95)	Other (098.96)
1989-90	102,142	87,855	58,029	87,906	42,853	23,627	1,376
1990-91	84,720	96,049	70,470	105,343	40,603	21,911	1,701
1991-92	72,381	97,869	67,284	112,432	42,874	19,610	2,197
1991 —							
July	5,895	8,478	6,365	9,631	3,771	2,877	180
August	6,378	7,649	4,581	8,628	4,131	2,616	179
September	6,372	8,614	6,379	10,233	4,241	2,142	165
October	6,579	7,235	5,942	9,235	3,681	1,387	157
November	6,303	9,688	5,500	9,425	3,770	1,792	150
December	5,062	6,458	6,395	8,646	3,157	1,402	148
1992 —							
January	5,611	6,777	2,806	8,530	2,695	830	158
February	6,129	8,373	4,783	9,242	3,593	1,512	236
March	6,137	10,162	6,077	9,542	3,508	891	203
April	6,036	7,438	5,725	9,815	3,179	1,159	198
May	6,187	8,691	6,463	9,952	3,719	1,617	208
June	5,692	8,305	6,268	9,551	3,429	1,385	215
July	6,342	8,544	6,540	8,610	4,272	1,781	220
August	7,179	8,482	5,270	9,362	4,387	1,745	212
September	6,733	7,586	6,740	9,668	3,862	1,241	203
1991-92: July to Sep.	18,645	24,740	17,325	28,492	12,143	7,635	524
1992-93: July to Sep.	20,854	24,613	18,550	27,639	12,521	4,767	635

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

TABLE 11. TOMATO SAUCE, JAM AND PRESERVED FRUIT

Period	Tomato sauce (058.12)	Jam(a) (058.12)	Fruit jelly, puree and paste(b) (058.11)	Fruit, otherwise prepared or preserved					Total
				Apples (058.51)	Apricots (058.52)	Peaches (058.53)	Mixed fruit(c) (058.56)	Other (058.54, 55.57)	
	'000 litres	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
1989-90	34,587	31,325	7,080	11,861	8,441	38,897	30,423	65,264	154,887
1990-91	34,299	30,092	6,092	10,551	8,831	30,995	32,769	73,560	156,706
1991-92	30,912	31,778	n.p.	9,903	n.p.	37,362	40,602	n.p.	173,422
1991 —									
July	3,000	2,657	270	1,317	—	n.p.	n.p.	1,217	2,990
August	2,217	2,917	n.p.	672	—	—	445	3,329	4,446
September	2,300	2,311	126	525	—	—	243	3,771	4,539
October	4,815	2,350	253	494	—	—	456	3,127	4,077
November	2,079	2,619	641	431	—	—	30	1,195	1,655
December	1,228	2,338	633	262	1,270	—	7	373	1,912
1992 —									
January	1,676	2,343	261	302	7,932	n.p.	n.p.	1,864	11,190
February	2,206	2,873	1,871	256	—	17,954	17,570	19,017	54,798
March	3,719	2,166	457	522	—	17,119	19,349	20,022	57,013
April	2,421	2,608	258	847	—	1,215	1,702	11,250	15,015
May	2,126	2,405	57	2,365	n.p.	—	n.p.	6,794	9,334
June	3,124	4,191	n.p.	1,909	—	—	n.p.	n.p.	6,453
July	5,032	3,108	n.p.	933	—	—	92	n.p.	2,205
August	2,087	2,811	398	775	—	—	n.p.	n.p.	2,509
September	3,296	2,739	18	909	—	—	n.p.	n.p.	7,099
1991-92: July to Sep.	7,517	7,885	n.p.	2,515	—	n.p.	n.p.	8,318	11,976
1992-93: July to Sep.	10,415	8,657	n.p.	2,618	—	—	n.p.	n.p.	11,813

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

TABLE 12. MALT, ALE AND BEER

Period	Ale, beer and stout(a)							
	Finished malt (all kinds) (048.20)			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 litres	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres	'000 litres
1989-90	623,823	550,428	580,681	807,941	1,939,050	..	10,154	4,273
1990-91	605,260	527,496	595,587	792,399	1,915,482	..	7,832	3,791
1991-92	579,279	504,130	551,816	806,358	1,862,304	..	6,075	2,647
1991 —								
July	49,687	45,307	43,035	64,301	152,643	158,045	158,955	n.p.
August	53,656	39,107	48,690	57,898	145,695	161,414	159,678	n.p.
September	50,259	41,261	36,452	60,379	138,092	155,410	159,110	520
October	45,843	48,867	61,881	79,145	189,893	159,593	157,262	639
November	52,155	41,830	63,864	85,993	191,686	159,392	155,041	734
December	45,049	50,053	53,498	88,582	192,134	152,208	153,304	n.p.
1992 —								
January	44,548	37,180	41,624	67,739	146,543	146,912	151,868	558
February	50,571	38,186	38,230	56,600	133,016	146,743	151,009	n.p.
March	39,037	43,901	46,765	72,317	162,983	157,830	150,901	453
April	43,450	42,679	44,931	62,135	149,745	153,431	151,355	n.p.
May	56,506	36,120	36,727	56,204	129,051	148,528	151,993	n.p.
June	48,518	39,638	36,121	55,065	130,824	150,435	152,253	547
July	46,879	42,028	39,861	63,202	145,091	153,665	152,263	n.p.
August	49,850	39,337	40,683	56,604	136,624	155,230	152,247	392
September	43,558	41,992	38,155	57,759	137,905	149,953	151,857	n.p.
1991-92: July to Sep.	153,602	125,675	128,177	182,578	436,430	..	n.p.	n.p.
1992-93: July to Sep.	140,281	123,356	118,699	177,565	419,620	..	n.p.	n.p.

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

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

Period	Canned and bottled (111.05.06.07.11.12.13)						Bulk pre-mix (111.08)	Post-mix concentrates(a) (111.09)
	NSW	Vic.	Qld	WA	SA and NT	Tas.		
1989-90	472,441	384,536	297,295	140,679	152,330	22,232	1,469,513	170,342
1990-91	472,523	389,889	301,387	145,679	140,760	20,148	1,470,386	172,621
1991-92	537,345	344,671	314,777	147,249	n.p.	n.p.	1,496,532	165,184
1991 —								
July	26,784	23,715	21,798	9,156	9,147	1,266	91,867	n.p.
August	33,552	21,687	20,136	9,231	7,656	1,133	93,594	n.p.
September	51,307	35,510	34,289	11,985	11,344	1,730	146,166	n.p.
October	52,975	41,288	35,048	13,807	14,441	1,857	159,416	n.p.
November	51,007	33,113	28,070	14,386	13,974	1,794	142,344	n.p.
December	61,252	36,451	34,870	19,011	17,425	2,474	171,484	n.p.
1992 —								
January	53,738	30,846	28,039	14,080	9,117	1,828	137,648	n.p.
February	47,037	31,440	28,468	n.p.	n.p.	1,819	134,053	n.p.
March	45,010	31,506	23,668	n.p.	n.p.	1,952	127,600	n.p.
April	44,342	20,251	18,870	n.p.	n.p.	1,479	108,243	n.p.
May	37,446	21,046	19,196	n.p.	n.p.	698	96,659	n.p.
June	32,894	17,798	22,325	6,619	n.p.	n.p.	87,658	n.p.
July	29,877	21,728	18,457	6,961	n.p.	n.p.	85,506	n.p.
August	42,067	25,266	15,877	10,416	n.p.	n.p.	105,639	n.p.
September	48,973	27,734	25,792	12,332	n.p.	n.p.	126,592	n.p.
1991-92: July to Sep.	111,643	80,912	76,222	30,372	28,147	4,129	331,427	37,634
1992-93: July to Sep.	120,917	74,729	60,126	29,709	n.p.	n.p.	317,737	38,905

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

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

Period	Canned(a) (111.05.11)				Other States	Australia
	NSW	Vic.	Qld			
1989-90	129,155	n.p.	110,791	n.p.	457,807	
1990-91	154,961	95,007	117,614	106,764	468,025	
1991-92			119,439	104,813	474,219	
1991 —						
July	8,223	7,825	10,329	7,040	33,417	
August	9,425	5,394	8,110	5,826	28,754	
September	11,913	9,950	13,611	8,520	43,994	
October	n.p.	n.p.	14,629	10,677	53,754	
November	17,059	n.p.	10,849	11,495	51,324	
December		8,255	10,247	12,441	47,982	
1992 —						
January	12,064	6,118	9,596	8,364	36,142	
February	14,104	7,192	10,094	7,964	39,354	
March	n.p.	n.p.	8,544	10,625	43,883	
April	n.p.	n.p.	5,503	9,317	33,719	
May	11,750	3,649	8,243	7,626	31,247	
June	10,240	5,807	9,684	4,919	30,649	
July	7,655	6,159	5,728	5,212	24,754	
August	11,647	7,434	6,399	6,304	31,784	
September	14,836	5,121	9,513	7,736	37,206	
1991-92: July to Sep.	29,561	23,168	32,049	21,386	106,165	
1992-93: July to Sep.	34,137	18,714	21,640	19,252	93,743	

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

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

Period	Bottled(a)									
	Returnable (111.06.12)					Non-returnable (111.07.13)				
	NSW	Vic.	Qld	Other States	Australia	NSW	Vic.	Qld	Other States	Australia
1989-90	n.p.	n.p.	23,740	95,694	172,743	n.p.	n.p.	149,057	107,355	786,338
1990-91	n.p.	n.p.	18,875	86,537	160,083	323,492	240,201	164,897	113,686	842,277
1991-92	13,572	34,149	12,829	80,297	140,847	368,812	215,515	182,509	114,629	881,465
1991—										
July	63	2,230	849	6,115	9,257	18,497	13,661	10,620	6,414	49,193
August	462	2,875	910	4,248	8,494	23,666	13,418	11,116	7,946	56,146
September	319	2,330	1,020	6,499	10,169	39,075	23,229	19,658	10,041	92,003
October	n.p.	n.p.	1,237	8,045	13,874	35,924	25,298	19,182	11,383	91,786
November	n.p.	n.p.	1,143	7,299	13,607	30,841	19,134	16,078	11,361	77,414
December	1,364	3,503	1,625	11,693	18,185	42,829	24,714	22,997	14,775	105,317
1992—										
January	1,661	3,235	1,278	8,666	14,840	40,014	21,492	17,165	7,995	86,666
February	1,519	2,928	1,198	6,503	12,148	31,415	21,339	17,176	12,622	82,551
March	n.p.	n.p.	991	6,611	12,346	28,676	18,382	14,133	10,181	71,372
April	n.p.	n.p.	1,053	6,894	12,101	31,816	9,724	12,314	8,568	62,423
May	1,258	2,309	746	4,595	8,908	24,458	15,088	10,207	6,750	56,504
June	1,053	1,957	779	3,130	6,919	21,600	10,034	11,863	6,592	50,089
July	1,256	2,780	797	4,001	8,834	20,965	12,790	11,933	6,231	51,919
August	1,171	2,028	483	6,533	10,214	29,250	15,804	8,996	9,591	63,641
September	1,412	2,772	1,147	4,858	10,189	32,725	19,841	15,132	11,498	79,197
1991-92: July to Sep.	844	7,435	2,779	16,862	27,920	81,238	50,309	41,394	24,402	197,342
1992-93: July to Sep.	3,839	7,579	2,427	15,392	29,237	82,941	48,435	36,060	27,320	194,756

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

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

Period	Coffee		Peanut butter (058.42)	Industrial flavouring essences (098.88)	Mayonnaise and salad dressing (098.47)
	Roasted(a) (071.20)	Instant (071.34)			
	tonnes	tonnes	tonnes	'000 litres	tonnes
1989-90	3,709	8,657	8,096	r 8,509	18,307
1990-91	3,306	8,515	8,860	r 7,111	20,734
1991-92	r 3,105	n.p.	9,248	r 7,512	19,110
1989—					
December qtr	948	2,134	2,118	r 2,546	6,901
1990—					
March qtr	820	1,973	1,952	r 1,993	n.p.
June qtr	939	2,346	2,022	r 1,589	n.p.
September qtr	790	2,259	2,665	r 1,794	6,227
December qtr	771	2,144	1,897	r 1,726	7,597
1991—					
March qtr	833	1,880	1,897	r 1,960	4,100
June qtr	912	2,232	2,402	r 1,632	2,810
September qtr	813	n.p.	2,616	r 1,820	6,842
December qtr	773	2,298	2,560	r 2,137	6,539
1992—					
March qtr	741	1,705	1,818	r 2,026	2,966
June qtr	r 778	2,337	2,254	r 1,529	2,763
September qtr	819	n.p.	3,326	1,759	5,752

(a) Whether or not decaffeinated or ground.

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

Period	Non-aerated drinks(c)						
	Wine based mixed drinks(a) (112.19)	Fruit juices, unfermented and not containing added spirit (single strength) (b)		Containing at least 25 per cent by volume of pure fruit or vegetable juice (111.18)	Containing less than 25 per cent by volume of pure fruit or vegetable juice(d) (111.19)	Fruit juice cordials and syrups(e) (098.79)	Other cordials and syrups (098.81)
		Citrus (059.40)	Apple (059.61)				
1989-90	12,512	171,967	50,478	r 131,250	n.p.	144,420	24,485
1990-91	10,123	127,786	55,164	r 136,119	n.p.	148,953	25,759
1991-92	10,269	121,539	46,862	r 152,151	n.p.	104,243	20,519
1991 —							
July	539	9,283	2,929	r 10,860	n.p.	5,860	1,497
August	445	11,533	3,013	r 11,114	n.p.	6,983	1,537
September	1,184	10,190	1,738	11,897	n.p.	10,067	1,964
October	1,117	8,132	1,696	15,479	n.p.	11,315	2,003
November	1,283	11,383	1,192	14,962	n.p.	12,869	2,400
December	2,135	13,566	1,448	14,429	n.p.	10,339	1,798
1992 —							
January	948	19,866	935	13,448	n.p.	9,518	2,016
February	545	11,469	2,122	r 13,202	n.p.	11,448	2,005
March	395	7,476	5,261	r 13,821	n.p.	7,723	1,491
April	515	4,853	10,562	r 11,349	n.p.	5,733	1,379
May	702	4,501	10,483	r 9,448	n.p.	6,303	1,146
June	460	9,286	5,484	12,143	n.p.	6,085	1,282
July	75	12,136	4,445	r 12,534	n.p.	7,165	1,217
August	190	12,953	2,739	r 9,388	n.p.	7,174	1,508
September	811	13,735	2,658	11,776	n.p.	10,217	2,015
1991-92: July to Sep.	2,168	31,006	7,679	33,871	n.p.	22,909	4,998
1992-93: July to Sep.	1,077	38,824	9,842	33,698	n.p.	24,556	4,739

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

TABLE 16. STOCK AND POULTRY FOOD (tonnes)

Period	Bran (from wheat) (081.21)		Sharps and other residues of wheat or rye (b) (081.27)		Prepared stock and poultry feeds(a)				Other (081.97)
					Poultry pellets and crumbles (081.91)	Poultry mash (081.92)	Pig feed (081.93)	Cattle (incl. dairy) feed (081.96)	
1989-90	85,183	n.p.	381,091	1,675,024	117,375	743,418	403,040	284,021	
1990-91	73,504	n.p.	386,846	1,648,087	114,950	649,157	407,970	233,204	
1991-92	83,202	59,379	388,910	1,663,457	107,237	633,601	471,208	226,144	
1991 —									
July	6,760	5,688	37,387	148,278	9,551	55,448	45,033	21,451	
August	6,046	4,888	33,765	136,134	9,297	51,431	48,246	17,006	
September	7,057	5,887	33,192	131,954	9,011	53,568	50,814	21,804	
October	5,806	6,526	35,504	152,141	9,111	52,749	52,917	18,593	
November	7,792	6,547	32,298	139,287	8,713	49,714	43,996	16,289	
December	5,659	6,376	28,602	126,463	8,374	48,584	39,497	17,843	
1992 —									
January	4,749	5,463	34,305	149,610	8,484	52,887	33,067	18,631	
February	7,011	4,323	30,726	132,733	8,119	50,501	27,904	18,090	
March	7,057	3,329	31,598	129,948	8,371	54,187	29,104	18,390	
April	8,379	3,495	31,766	149,311	9,475	55,366	33,157	23,488	
May	9,159	2,860	30,419	134,676	9,049	53,723	33,135	19,703	
June	8,876	3,797	29,348	132,922	9,682	55,443	34,338	14,856	
July	8,915	3,870	33,691	160,289	9,939	55,666	40,395	23,329	
August	9,751	3,553	31,050	136,261	9,070	50,534	41,353	21,248	
September	9,840	4,105	30,795	136,373	9,739	52,656	43,200	13,829	
1992: September									
New South Wales	4,508	1,471	13,715	50,627	3,121	20,048	11,768	4,262	
Victoria	n.p.	—	5,526	37,270	—	n.p.	8,723	1,226	
Other States	n.p.	2,634	11,554	48,476	6,618	n.p.	22,709	8,300	
1991-92: July to Sep.	18,714	16,463	104,344	416,366	27,859	160,447	144,093	60,261	
1992-93: July to Sep.	28,506	11,528	95,536	432,923	28,748	158,856	124,948	58,406	

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

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

Period	Tallow (incl. dripping)			Meals, flours and pellets, of meat or 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 (081.3.1)	Sunflower (081.3.5)	Crude oil (421.5.2)	Refined (421.5.3)
	Edible (411.4.2)	Inedible (411.4.3)	Refined (411.3.8)					
1989-90	70,880	375,194	99,391	466,871	101,097	79,363	62,634	36,904
1990-91	77,792	371,131	95,685	479,556	105,331	54,620	54,088	35,124
1991-92	70,307	370,561	91,297	479,973	71,048	55,642	59,936	45,558
1991 —								
July	5,943	29,806	8,675	40,138	8,039	5,857	7,690	4,291
August	4,587	28,480	6,713	37,408	5,946	8,395	7,505	4,782
September	4,988	30,544	6,813	39,180	5,467	5,164	5,161	3,927
October	6,324	34,684	8,543	43,753	9,257	5,420	4,837	3,979
November	5,620	33,169	7,270	41,456	4,897	n.p.	4,813	2,963
December	5,836	28,156	5,538	36,768	5,898	4,222	4,015	2,422
1992 —								
January	6,239	25,017	6,706	33,999	3,484	3,450	3,535	3,250
February	5,808	31,304	8,264	40,479	5,117	2,020	3,240	3,283
March	6,977	33,253	7,962	44,333	6,449	2,381	3,650	3,771
April	6,432	34,161	8,980	42,647	3,255	4,112	3,786	4,291
May	5,513	31,203	8,201	40,068	7,494	6,399	6,942	4,842
June	6,040	30,783	7,630	39,745	5,742	n.p.	4,852	3,756
July	6,059	29,257	9,810	38,628	5,967	4,481	4,846	5,249
August	5,138	28,767	7,312	36,359	6,394	3,128	3,557	3,838
September	6,411	32,451	7,276	45,589	5,720	4,454	5,371	4,999
1991-92: July to Sep.	15,518	88,830	22,201	116,726	19,452	19,416	20,266	13,000
1992-93: July to Sep.	17,608	90,475	24,398	120,576	18,080	12,063	13,775	14,086

(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)
1989-90	27,318	..	..
1990-91	26,833	..	..
1991-92	24,538	..	..
1991 —			
July	2,105	1,968	2,083
August	2,427	2,179	2,082
September	2,216	2,374	2,109
October	1,854	1,779	2,154
November	2,547	2,246	2,185
December	1,759	2,113	2,182
1992 —			
January	1,311	2,472	2,135
February	2,175	2,070	2,065
March	2,291	1,994	1,999
April	1,490	1,552	r 1,953
May	2,255	2,025	r 1,944
June	2,108	1,998	1,973
July	2,438	2,253	r 2,010
August	2,080	1,959	r 2,039
September	1,898	1,959	2,056
1991-92: July to Sep.	6,748	..	..
1992-93: July to Sep.	6,416	..	..

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

EXPLANATORY NOTES

Introduction

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

Classification

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

Scope and coverage

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

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

Seasonal adjustment and trend estimates

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

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

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

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

Related publications

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Symbols and other usages

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



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