



**Australian
Bureau of
Statistics**

Manufacturing Production Australia

Food, Drink, Tobacco Stock and Poultry Food

July 1991

Catalogue No. 8359.0

EMBARGOED UNTIL 11.30 A.M. 4 OCTOBER 1991

MANUFACTURING PRODUCTION, AUSTRALIA
FOOD, DRINK, TOBACCO, STOCK AND POULTRY FOOD
JULY 1991

J. L. CARROLL
Acting Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 8359.0

© Commonwealth of Australia 1991

CONTENTS

<i>Table</i>		<i>Page</i>
1	Processed milk products and milk in powdered form	1
2	Ice cream and other edible ice	2
3	Butter and margarine	2
4	Cheese: States	3
5	Cheese: Types	3
6	Prepared or preserved vegetables	4
7	Ham and bacon and canned meat	4
8	Fish, crustaceans and molluscs	5
9	Biscuits and confectionery	5
10	Cereal products	6
11	Tomato sauce, jam and preserved fruit	7
12	Malt, ale and beer	7
13	Mineral waters and aerated waters	8
14	Mayonnaise and salad dressings, coffee, peanut butter and flavouring essences	9
15	Cordials and syrups, single strength fruit juices and other drinks	10
16	Stock and poultry food	10
17	Tallow, meals and sunflower seed oil	11
18	Cigarettes and tobacco	11
..	Explanatory Notes	12

INQUIRIES

- for further information about statistics in this publication and the availability of related unpublished statistics, contact Kevin Squair on Canberra (06) 252 5558 or any ABS office.
- for information about other ABS statistics and services please refer to the back of this publication.

TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM

TABLE 1. PROCESSED MILK PRODUCTS AND MILK IN POWDERED FORM						
Period	Milk and cream, concentrated or sweetened, in liquid form				Milk based food preparations (e.g. 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	tonnes	'000 litres	tonnes	tonnes
1988-89	58,178	n.a.	n.a.	n.a.	n.a.	60,771
1989-90	43,449	43,465	n.p.	131,787	34,375	59,424
1990-91	51,682	43,752	n.p.	166,466	29,545	64,745
1990—						
May	2,435	2,303	350	8,423	n.p.	5,191
June	2,306	1,326	440	9,484	3,696	4,076
July	2,883	1,288	238	9,092	2,204	4,527
August	4,875	2,208	702	10,521	2,653	4,859
September	4,990	4,252	n.p.	15,691	2,769	4,973
October	5,393	5,066	n.p.	18,500	2,578	6,007
November	4,972	5,905	n.p.	19,127	2,846	6,958
December	4,307	4,165	n.p.	20,399	1,860	4,222
1991—						
January	5,454	4,241	n.p.	14,582	1,643	6,208
February	5,297	4,213	n.p.	15,388	2,166	5,928
March	4,217	4,224	n.p.	14,184	3,105	5,763
April	3,429	3,825	n.p.	11,362	2,455	5,242
May	3,092	2,511	642	9,268	2,601	5,309
June	2,772	1,853	n.p.	8,351	2,667	4,749
July	2,812	1,526	n.p.	8,124	2,120	5,150

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

Period	Casein(c)	Milk in powdered form(c)		
		Wholemilk	Skim or mixed skim and buttermilk	Buttermilk
1988-89	6,870	68,038	119,136	7,663
1989-90	5,328	56,476	135,048	8,681
1990-91	2,295	59,615	146,386	9,122
1990—				
May	27	1,505	4,269	411
June	26	1,039	3,708	280
July	26	1,305	4,912	402
August	238	4,355	8,510	666
September	321	7,801	18,125	874
October	480	7,074	22,967	981
November	314	6,798	23,958	1,346
December	214	6,427	20,230	1,205
1991—				
January	330	6,088	12,586	810
February	29	6,425	12,651	588
March	298	6,019	7,217	837
April	14	3,441	5,534	582
May	17	1,803	5,961	521
June	12	2,080	3,734	309
July	66	2,925	3,770	315

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

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

Period	Ice cream(a)				Other frozen confections			
	Over 4 litres		Milk ices(b)		Milk based mixtures for soft serves and thick shakes(d)		Water ices, fruit ices(c)	(022.39)
	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(c) (022.37)		
1988-89	28,980	79,632	100,388		20,117	r31,995	r18,748	17,308
1989-90	26,851	79,449	71,921	18,900	21,161	r39,246	r13,585	18,972
1990-91	24,254	76,588	71,767	19,745	21,394	r34,616	r13,405	r19,525
1990—						r	r	
May	1,954	5,177	5,050	1,531	1,589	2,018	497	1,493
June	1,594	4,116	3,949	1,141	975	1,755	314	1,469
July	1,273	5,618	5,184	1,550	1,278	2,297	305	1,429
August	1,883	5,016	5,429	1,293	1,761	2,276	373	1,331
September	2,379	6,343	5,366	1,526	1,527	2,642	950	1,688
October	2,782	7,917	6,873	2,064	2,001	3,602	1,810	1,685
November	2,675	7,467	6,820	1,912	2,405	3,468	1,731	1,650
December	2,639	7,373	7,654	1,735	2,399	3,998	1,792	2,012
1991—								
January	2,906	7,377	7,656	2,725	2,951	r3,385	r1,847	2,145
February	2,639	8,494	7,072	1,744	2,292	r3,117	r1,805	1,603
March	1,708	6,411	6,392	1,438	1,637	2,898	1,431	1,688
April	1,510	5,626	5,238	1,326	1,457	2,093	702	1,443
May	857	5,122	4,458	1,237	1,000	2,682	419	1,498
June	1,005	3,824	3,625	1,193	687	2,158	241	r1,353
July	1,369	5,899	5,338	1,676	1,332	2,747	285	1,725

(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) Revisions as a result of correcting for misreporting. (d) Powdered mix is included in terms of liquid mix equivalent.

TABLE 3. BUTTER AND MARGARINE
(tonnes)

Period	Butter plus direct butteroil(a)						Margarine	
	NSW	Vic.	Qld	SA	WA	Tas.	Australia	Other
							(091.02)	(091.03)
1988-89	1,226	83,282	3,687	2,243	1,139	4,276	95,853	119,095
1989-90	1,106	90,071	4,195	2,396	1,339	5,051	104,158	112,533
1990-91	962	93,107	3,624	1,624	1,478	5,382	106,176	119,123
1990—								r
May	58	3,288	332	224	113	240	4,255	9,030
June	53	2,809	226	208	127	182	3,605	10,427
July	67	2,978	229	217	126	124	3,741	8,723
August	37	4,752	284	219	103	224	5,619	10,713
September	161	9,881	353	180	162	317	11,054	12,562
October	265	13,608	386	217	171	573	15,221	9,825
November	146	13,912	355	179	117	851	15,561	9,069
December	89	12,359	255	110	67	699	13,579	8,540
1991—								r
January	73	8,722	403	76	121	571	9,966	6,627
February	75	8,310	407	50	125	534	9,501	10,428
March	37	6,948	324	47	126	442	7,924	12,479
April	—	4,999	215	78	126	406	5,824	9,273
May	2	4,263	154	120	136	364	5,039	9,690
June	9	2,374	261	131	97	277	3,149	11,191
July	16	1,708	272	68	198	215	2,477	12,437

(a) Source: Australian Dairy Corporation.

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

Period	NSW	Vic.	Qld	SA	WA	Tas.	Australia
1988-89	14,245	114,690	14,413	24,704	3,543	18,661	190,256
1989-90	14,165	103,251	12,842	22,774	4,129	18,172	175,333
1990-91 r	13,327	103,291	12,810	22,162	5,256	19,413	176,260
1990 r—							
May	847	3,357	1,087	818	390	678	7,177
June	748	3,255	1,124	1,164	536	215	7,042
July	892	3,844	1,104	1,357	602	67	7,866
August	1,059	6,522	1,176	1,769	628	57	11,731
September	1,292	11,758	1,124	2,699	684	1,726	19,282
October	1,976	12,769	1,285	2,987	685	3,221	22,922
November	1,535	13,487	1,038	3,146	587	3,229	23,021
December	1,234	12,142	916	2,358	341	2,693	19,684
1991 r—							
January	978	11,049	1,158	1,766	205	2,716	17,872
February	1,046	9,086	1,116	1,275	82	1,837	14,442
March	1,029	8,803	1,057	899	299	1,293	13,380
April	799	6,918	1,011	1,408	311	1,223	11,670
May	672	3,511	890	1,569	328	620	7,591
June	817	3,403	937	928	506	210	6,800
July	1,145	4,575	839	1,711	545	151	8,966

(a) Source: Australian Dairy Corporation.

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

Period	Cheddar and cheddar types(b)	Round eye(c)	Shrekling(d)	Hard grating(e)	Fresh(f)	Other(g)
1988-89	121,634	9,337	21,999	5,966	18,223	13,098
1989-90	116,702	7,453	20,361	5,336	17,074	8,405
1990-91 r	115,233	6,671	22,137	6,157	18,911	7,152
1990 r—						
May	3,879	349	1,032	265	1,275	377
June	3,691	239	1,463	305	1,042	302
July	4,437	177	1,614	228	1,084	327
August	6,884	492	1,950	646	1,268	492
September	13,574	729	2,635	533	1,358	452
October	16,073	871	2,330	580	1,901	1,167
November	16,517	850	1,972	907	1,890	1,884
December	13,730	738	1,751	665	1,618	1,181
1991 r—						
January	11,537	633	2,513	911	1,594	684
February	9,230	472	2,059	735	1,498	448
March	8,959	456	1,542	284	1,639	499
April	7,267	578	1,384	183	1,946	312
May	3,672	401	1,265	258	1,650	346
June	3,352	274	1,122	227	1,465	360
July	4,779	251	1,478	576	1,504	378

(a) Source: Australian Dairy Corporation. (b) Includes Cheddar, Cheshire, Cheddar, Colby, Dunlop, Nimbin, Leicester, Gloucester and Stirm Curd/Granula. (c) Includes Edam, Gouda, Swiss, Samsoe, Fontina, Tilsit, Raclette, Emmenthal and Vacchenn. (d) Includes Goshred, Mozzarella and Pizze. (e) Includes Parmesan, Pecorino, Romano, Sardo and other hard types. (f) Includes Cottage, Ricotta, Cream, Neufchâtel, Bakers, Mascapone and Quark. (g) Includes Blue Vein, Brie, Camembert, Feta, Havarti, Skim, Cheese Curd, Haloumy 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		
	(054.30)	(054.60) (056.60)	(056.73)	(056.72.87, 88.89)	(056.81)	(056.82)	(056.83)	(056.84)	(056.85)	
1988-89	n.a.	n.a.	n.a.	n.a.	2,492	2,392	802	2,565	2,424	n.a.
1989-90	2,183	261,920	31,844	133,183	2,598	2,154	727	3,087	2,619	440,316
1990-91 r	1,736	255,981	29,192	131,729	n.p.	2,058	n.p.	2,779	1,964	427,851
1990—										
May	n.p.	n.p.	1,331	6,988	31	128	62	277	n.p.	34,751
June	75	n.p.	n.p.	6,545	n.p.	149	49	218	207	30,264
July	102	n.p.	n.p.	7,201	44	135	84	164	134	31,298
August	79	21,221	892	16,472	113	226	57	146	199	29,405
September	159	18,741	885	12,459	185	114	74	254	166	33,034
October	156	20,358	621	15,761	55	238	53	264	255	37,765
November	173	20,883	409	13,504	64	298	107	336	206	35,980
December	358	n.p.	n.p.	9,389	89	260	59	313	99	36,621
1991—										
January	143	19,300	747	9,217	250	131	50	277	66	30,180
February	169	22,014	6,826	14,788	576	136	47	206	48	44,811
March	179	16,990	8,352	14,932	110	154	65	253	177	41,213
April	86	21,571	6,431	10,378	70	154	65	230	327	39,311
May	71	26,941	1,548	9,038	91	115	48	225	120	38,197
June r	60	19,955	1,002	8,590	n.p.	97	n.p.	111	166	30,036
July	52	22,496	757	11,037	76	66	103	119	262	34,968

(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)	Ham, shoulders and cuts thereof with bone in (016.11)	Other (016.18)
1988-89	n.p.	10,496	2,663	n.a.	n.a.
1989-90	3,656	10,570	n.p.	15,673	71,432
1990-91		17,380		19,634	65,494
1990—					
May	n.p.	992	355	989	5,696
June		1,542		956	6,020
July		1,552		972	5,590
August		1,404		1,033	5,964
September		1,734		1,137	6,625
October		1,185		1,743	5,621
November		1,282		2,721	5,910
December		1,446		3,930	5,392
1991—					
January		1,057		936	4,516
February		1,380		1,496	5,364
March		1,517		1,804	5,268
April		1,345		1,181	4,775
May		1,521		1,297	5,539
June		1,957		1,385	4,931
July		1,348		1,382	5,308

(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		
				Shrimps and prawns (036.12)	Rock lobster and crayfish		Chilled, frozen, dried, salted or in brine(b)	Abalone otherwise preserved (037.23)	Abalone (036.34)
	Fish fillets frozen (034.40)	Fish canned(a) (037.18)			Tails (036.14)	Whole (036.13)			
1988-89	2,314	8,649	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90	4,322	7,581	7,269	r2,534	r5,707	118	390	599	189
1990-91	3,799	6,514	8,634	r1,476	r6,811	234	r248	872	141
1990—									
May	273	728	917	117	508	n.p.	33	40	30
June	371	473	788	67	360	n.p.	38	77	7
July	883	331	401	n.p.	25	13	30	76	5
August	552	323	718	n.p.	5	n.p.	16	89	5
September	350	520	671	n.p.	r13	r41	20	93	8
October	191	597	706	r86	r674	39	14	146	10
November	261	677	692	r329	r1,817	18	18	48	9
December	238	484	389						
1991—									
January	153	561	77	223	402	34	26	47	15
February	320	546	232	188	603	12	30	44	22
March	260	561	480	229	1,336	25	27	53	13
April	184	584	1,127	241	927	13	27	36	33
May	181	763	1,854	115	516	16	19	81	9
June	226	568	1,287	45	459	n.p.	r4	103	5
July	326	519	733	n.p.	4	26	7	103	2

(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)
1988-89	n.a.	n.a.	93,418	..	..	64,655	..	..
1989-90	r87,803	46,071	92,626	..	..	63,890	..	..
1990-91	r82,312	48,988	93,449	..	..	63,603	..	..
1990—								
May	8,306	3,853	8,846	7,986	7,436	5,667	5,433	5,453
June	7,571	3,444	7,270	7,106	7,564	5,962	5,771	5,489
July	7,431	3,910	7,531	7,170	7,764	5,220	4,840	5,406
August	8,227	4,582	8,718	7,778	7,953	6,852	6,215	5,452
September	7,422	4,104	8,453	8,918	8,081	5,898	5,327	5,365
October	7,908	5,104	9,088	8,086	8,128	6,102	4,904	5,264
November	7,373	4,867	8,353	8,132	8,075	6,117	5,283	5,174
December	4,795	2,924	7,076	8,619	7,897	4,338	5,054	5,123
1991—								
January	4,735	2,843	3,203	5,891	7,679	2,633	5,259	5,133
February	6,666	3,953	8,500	8,165	7,531	4,866	4,982	5,202
March	6,862	4,070	9,247	8,189	7,492	5,476	5,371	5,301
April	6,173	3,808	7,181	7,041	7,501	4,620	5,485	5,380
May	7,482	4,709	7,972	6,952	7,516	5,659	5,339	5,448
June	7,237	4,114	8,128	8,325	7,525	5,823	5,753	5,502
July	8,100	4,455	7,929	7,257	7,618	5,936	5,337	5,530

(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)	Maise (corn) flour (047.11)	Starch (592.11.18)
1988-89	48,423	n.a.	n.a.	n.a.	n.a.	194,836
1989-90	48,685	409,868	1,230,403	124,778	n.p.	220,198
1990-91	45,218	490,011	1,227,165	135,704	n.p.	214,058
1990—						
May	4,245	31,856	109,422	11,541	n.p.	21,220
June	4,108	22,542	112,995	11,279	n.p.	20,314
July	4,350	22,086	100,770	10,834	n.p.	20,987
August	4,056	35,090	111,284	16,242	n.p.	18,986
September	4,275	52,202	108,557	11,806	n.p.	17,301
October	4,531	47,980	103,520	10,326	n.p.	18,499
November	3,795	49,374	106,681	13,189	n.p.	18,160
December	3,547	29,151	91,286	8,388	n.p.	14,651
1991—						
January	3,346	43,254	93,563	8,408	n.p.	16,229
February	3,536	32,663	99,000	10,896	n.p.	19,303
March	3,569	38,559	103,398	9,394	7	18,585
April	3,411	50,606	98,158	11,599	11	18,273
May	3,430	47,066	108,080	12,932	15	16,588
June	3,371	41,980	102,868	11,690	14	16,496
July	3,979	65,145	107,608	12,072	n.p.	20,412

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)	Pasta		
					Not cooked or prepared (048.30)	Cooked or stuffed	
						Canned (098.95)	Other (098.96)
1988-89	97,035	101,099	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90	102,142	87,855	58,029	187,906	42,853	23,627	1,375
1990-91	84,720	96,049	170,467	1105,383	140,587	21,911	1,699
1990—							
May	8,845	7,888	6,057	8,047	3,943	2,922	103
June	8,503	8,084	6,248	8,448	3,961	n.p.	127
July	8,214	8,111	5,264	8,655	4,043	2,237	187
August	6,695	8,087	4,806	8,406	3,539	2,723	164
September	8,781	7,098	5,120	9,433	3,080	1,617	141
October	8,382	8,791	5,659	9,396	3,245	1,795	135
November	7,029	8,704	4,934	9,584	3,618	1,432	120
December	7,846	6,838	4,721	7,642	2,632	1,731	115
1991—							
January	5,885	6,408	3,876	7,719	1,840	1,990	107
February	7,181	7,891	5,815	8,956	3,099	674	93
March	6,757	8,482	6,606	8,770	3,944	971	141
April	5,890	7,446	7,537	7,972	3,875	1,616	160
May	6,578	9,823	8,536	9,151	4,273	2,568	162
June	5,483	8,371	17,593	9,699	13,397	2,557	171
July	5,891	8,478	6,365	9,488	3,753	2,877	179

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

TABLE 11. TOMATO SAUCE, JAM AND PRESERVED FRUIT
(tonnes)

Period	Tomato sauce (098.42)	Jam(a) (058.12)	Fruit jelly, puree and paste(b) (058.11)	Fruit, otherwise prepared or preserved					Total
				Apples (058.51)	Apricots (058.52)	Peaches (058.53)	Mixed fruit(c) (058.56)	Other (058.54, 55.57)	
1988-89	33,697	36,345	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90	34,587	31,325	7,015	11,927	8,441	38,897	30,395	65,291	154,950
1990-91	34,299	30,091	7,051	10,593	8,831	30,995	32,712	73,615	156,745
1990—									
May	2,606	2,616	454	2,382	—	—	n.p.	n.p.	6,028
June	2,949	2,738	384	1,353	—	—	n.p.	n.p.	5,149
July	3,360	2,423	439	1,691	—	—	130	604	2,425
August	4,002	2,458	265	1,439	—	—	84	688	2,211
September	3,375	3,030	n.p.	377	—	—	79	3,981	4,437
October	2,738	2,273	n.p.	711	—	—	357	2,912	3,980
November	3,437	2,652	186	880	—	—	203	1,374	2,457
December	1,972	1,920	n.p.	650	953	—	44	345	1,993
1991—									
January	1,464	2,113	807	643	7,846	n.p.	n.p.	2,924	12,969
February	4,687	2,417	1,731	367	n.p.	9,987	n.p.	24,761	47,440
March	2,358	2,517	652	236	—	17,506	15,426	18,038	51,205
April	1,821	2,340	426	555	n.p.	n.p.	3,173	8,621	15,118
May	3,067	2,604	285	1,919	n.p.	n.p.	16	6,230	8,166
June	2,018	3,344	21	1,124	—	—	83	3,137	4,344
July	3,041	2,647	270	1,324	—	n.p.	n.p.	1,226	3,003

(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)				Total			Extra light beer(d)	
	Finished malt (all kinds) (048.20)	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
1988-89	589,777	578,064	566,230	806,579	1,950,873	..	..	16,090	8,106
1989-90	623,823	555,945	580,681	808,725	1,945,351	..	..	10,154	4,273
1990-91	605,260	532,303	595,587	788,513	1,916,403	..	..	7,832	3,791
1990—									
May	55,752	46,579	48,909	57,515	153,002	160,858	162,984	1,209	300
June	54,586	40,636	39,424	55,573	135,633	167,488	161,995	n.p.	n.p.
July	52,367	44,089	48,554	55,938	148,579	159,298	161,263	774	n.p.
August	50,601	47,118	42,105	59,329	148,551	159,277	161,189	463	322
September	44,488	39,781	38,440	55,501	133,722	158,225	161,593	n.p.	n.p.
October	49,521	51,552	57,878	84,699	194,128	162,069	162,578	754	213
November	51,761	48,972	79,109	80,633	208,714	168,972	163,241	799	429
December	49,421	48,811	62,569	86,057	197,437	163,499	162,906	233	465
1991—									
January	50,393	43,736	52,163	68,648	164,547	160,121	161,476	787	387
February	49,708	40,898	41,818	65,514	148,231	159,770	159,342	703	n.p.
March	51,344	42,932	44,241	64,981	152,154	161,561	157,492	444	n.p.
April	45,173	42,489	44,957	56,779	144,225	144,510	156,545	n.p.	331
May	58,213	44,257	45,771	61,378	151,406	160,336	156,420	858	290
June	52,270	37,670	37,981	49,057	124,708	160,247	156,759	461	535
July	49,687	45,686	43,035	64,357	153,078	157,614	157,327	n.p.	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
(⁰000 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.		
1988-89	468,769	391,506	286,192	n.p.	n.p.	n.p.	1,447,832	1284
1989-90	r472,441	384,536	297,295	140,679	152,330	22,232	r1,469,513	r1,019
1990-91	472,523	r389,584	301,387	145,679	140,760	20,148	r1,470,080	n.p.
1990—								
May	r32,444	27,163	23,226	9,542	9,951	1,536	r103,862	n.p.
June	r26,835	22,735	16,351	8,869	5,138	1,209	r81,137	n.p.
July	19,778	16,896	12,094	7,703	8,122	1,437	66,029	89
August	39,209	29,867	23,196	11,661	10,745	1,447	116,124	70
September	37,845	26,397	21,021	9,240	11,760	1,672	107,936	82
October	38,546	38,266	33,249	13,439	13,668	1,992	139,160	206
November	48,812	43,293	33,958	16,139	17,275	2,158	161,634	81
December	53,956	43,578	27,251	17,384	14,191	1,688	158,046	15
1991—								
January	50,756	41,621	16,410	11,441	14,074	1,813	136,114	n.p.
February	48,120	37,432	32,883	16,805	11,486	1,922	148,649	n.p.
March	49,599	48,308	33,485	15,914	14,793	1,907	164,007	17
April	37,048	22,652	28,277	9,851	9,175	1,274	108,276	49
May	24,601	20,412	19,478	10,134	7,633	1,445	83,704	25
June	24,254	r20,861	20,086	5,968	7,839	1,392	r80,401	n.p.
July	26,784	23,596	21,833	9,156	9,147	1,266	91,782	n.p.

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

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

Period	Canned(a) (111.05,11)					Other States	Australia
	NSW	Vic.	Qld				
1988-89	n.p.	n.p.	107,482			101,755	455,292
1989-90	r129,155	n.p.	110,791			n.p.	r357,807
1990-91	n.p.	n.p.	117,614			106,364	468,025
1990—							
May	n.p.	n.p.	10,081			n.p.	r33,370
June	n.p.	n.p.	8,314			n.p.	r30,511
July	n.p.	n.p.	4,112			6,306	20,667
August	n.p.	n.p.	9,823			8,969	40,956
September	n.p.	n.p.	8,949			5,198	29,672
October	n.p.	n.p.	11,671			11,167	45,341
November	n.p.	n.p.	12,286			14,591	50,444
December	n.p.	n.p.	11,435			11,448	50,472
1991—							
January	14,527	10,872	5,162			7,614	38,176
February	n.p.	n.p.	13,110			10,153	47,347
March	n.p.	n.p.	13,830			12,450	54,281
April	n.p.	n.p.	11,777			6,613	36,368
May	n.p.	n.p.	6,357			5,906	28,569
June	n.p.	n.p.	9,102			5,949	25,733
July	8,223	7,825	10,329			7,040	33,417

(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
1988-89	n.p.	n.p.	24,189	103,139	188,648	n.p.	n.p.	154,521	96,469	809,893
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	86,527	160,062	323,492	239,307	164,897	113,696	841,993
1990—										
May	n.p.	n.p.	1,595	5,233	11,220	21,416	15,275	10,715	8,288	55,694
June	n.p.	n.p.	1,370	3,962	9,119	n.p.	n.p.	6,044	4,674	30,132
July	n.p.	n.p.	937	4,027	7,939	13,106	10,343	7,044	6,929	37,423
August	n.p.	n.p.	1,127	7,486	12,705	23,515	19,304	12,246	7,398	62,464
September	n.p.	n.p.	1,503	5,848	11,075	30,845	14,148	10,569	11,627	67,189
October	n.p.	n.p.	1,835	8,050	14,211	27,328	22,655	19,743	9,882	79,608
November	n.p.	n.p.	2,162	10,581	18,077	34,190	29,015	19,509	10,400	93,113
December	n.p.	n.p.	2,333	9,375	17,394	36,452	27,807	13,483	12,439	90,181
1991—										
January	1,721	4,108	2,009	8,421	16,258	34,508	26,641	9,239	11,292	81,680
February	n.p.	n.p.	1,566	8,489	15,646	33,047	22,829	18,207	11,573	85,656
March	n.p.	n.p.	1,729	9,163	15,865	33,377	31,555	17,926	11,002	93,860
April	n.p.	n.p.	1,566	5,600	11,541	24,268	13,077	14,935	8,087	60,367
May	n.p.	n.p.	1,186	6,170	11,207	15,474	9,382	11,935	7,137	43,928
June	n.p.	n.p.	923	3,318	8,144	17,380	13,151	10,061	5,932	46,524
July	63	2,235	849	6,115	9,262	18,497	13,536	10,655	6,414	49,104

(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			
1989-90	3,629	8,657	8,096	9,631	18,307
1990-91	3,222	8,515	8,860	8,786	20,734
1989—					
September qtr	973	2,204	2,003	2,381	n.p.
December qtr	928	2,134	2,118	2,906	6,901
1990—					
March qtr	809	1,973	1,952	2,367	3,654
June qtr	919	2,346	2,022	1,977	n.p.
September qtr	770	2,259	2,665	2,224	6,227
December qtr	751	2,144	1,897	2,058	7,597
1991—					
March qtr	813	1,880	1,897	2,348	4,100
June qtr	888	2,232	2,402	2,155	2,810

(a) Whether or not decaffeinated or ground.

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

Period	Wine based mixed drinks(a) (112.19)	Fruit juices, unfermented and not containing added spirit (single strength) (b)		Non-aerated drinks(e)		Fruit juice cordials and syrups(g) (098.79)	Other cordials and syrups (098.81)
		Citrus(c)(d) (059.40)	Apple(d) (059.61)	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(f) (111.19)		
1988-89	13,977	r130,539	r53,157	n.a.	n.a.	117,810	24,609
1989-90	12,512	r171,967	r50,976	r129,343	n.p.	101,489	29,539
1990-91	10,123	r127,313	r56,742	r133,225	n.p.	99,212	r31,167
1990—							
May	300	6,532	11,010	10,720	n.p.	6,694	1,927
June	713	5,722	6,218	9,045	n.p.	4,880	1,647
July	417	8,484	5,007	9,842	n.p.	3,152	1,646
August	323	11,069	4,159	10,768	n.p.	6,415	2,399
September	888	11,604	4,264	12,074	n.p.	8,656	2,565
October	983	14,262	4,132	11,807	n.p.	9,100	3,142
November	2,143	13,361	3,482	12,578	n.p.	7,388	2,878
December	1,779	13,756	3,328	12,134	n.p.	9,975	3,419
1991—							
January	1,259	16,557	2,723	12,690	n.p.	11,447	3,263
February	550	11,490	1,877	12,483	n.p.	12,593	3,281
March	622	6,852	5,723	11,114	n.p.	9,635	2,731
April	626	5,786	8,028	9,221	n.p.	7,741	2,378
May	374	6,697	8,832	r10,681	n.p.	7,001	r1,402
June	160	7,395	5,187	r7,833	n.p.	6,109	r2,061
July	489	8,888	2,929	8,419	n.p.	n.y.a.	1,907

(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) Series revised to correct for misreporting. (e) Excludes fruit and vegetable juices, mineral waters and flavoured whole milk drinks. (f) Includes drinks with no fruit or vegetable juice content. (g) Contains at least 25% by volume of pure fruit juice.

TABLE 16. STOCK AND POULTRY FOOD (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)
1988-89	95,794	n.a.	n.a.	1,606,005	115,850	682,854	321,021	341,186
1989-90	85,183	n.p.	381,091	1,675,127	117,356	743,447	404,609	289,517
1990-91 r	77,669	n.p.	382,404	1,648,083	114,950	649,154	407,966	237,187
1990—								
May	7,569	n.p.	33,522	137,261	10,148	59,610	34,480	31,161
June	7,524	n.p.	34,899	143,405	11,674	67,581	36,135	27,203
July	6,485	n.p.	31,762	139,507	10,621	56,339	35,103	23,617
August	6,879	n.p.	33,127	135,739	10,620	55,915	38,829	22,656
September	6,008	n.p.	33,194	143,330	10,330	60,036	38,698	17,212
October	6,490	2,701	31,884	143,747	10,330	53,617	32,337	25,553
November	6,378	3,980	33,423	149,381	9,858	56,141	31,100	18,835
December	4,585	n.p.	30,202	129,907	8,540	53,452	30,987	14,077
1991—								
January	5,641	4,280	29,409	132,671	9,128	49,829	29,158	13,818
February	5,899	4,337	30,894	126,196	8,377	47,354	25,022	14,839
March	6,027	5,524	31,723	136,181	9,777	54,096	30,249	17,633
April	8,302	3,695	29,906	135,938	8,908	50,412	32,297	20,887
May	9,108	n.p.	32,152	137,640	9,027	54,255	42,052	31,530
June r	5,867	n.p.	34,638	137,846	9,434	56,808	42,084	16,530
July	5,983	5,688	36,957	148,278	9,591	55,215	44,888	21,480
1991 - July								
New South Wales	3,842	2,950	14,405	51,036	3,364	20,940	14,692	6,150
Victoria	412	—	9,584	44,272	—	n.p.	5,907	n.p.
Other States	1,729	2,738	12,968	52,970	6,227	n.p.	24,289	n.p.

(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(b)	Oil-cake and other solid residues resulting from the extraction of oils and fats		Sunflower seed oil and its fractions not chemically modified	
	Rendered		Refined(a)		Soya bean	Sunflower	Crude oil	Refined
	Edible (411.42)	Inedible (411.43)						
1988-89	77,831	298,512	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1989-90	70,880	376,479	199,391	466,871	101,097	79,363	62,634	36,904
1990-91 r	77,792	372,214	96,412	480,718	105,331	54,620	54,088	35,124
1990—			r					
May	6,457	32,823	9,729	43,095	13,278	5,166	4,127	2,639
June	5,898	29,648	9,258	38,690	10,897	n.p.	5,814	3,179
July	5,758	31,108	8,059	40,360	11,300	4,968	7,267	2,487
August	5,646	30,642	8,287	39,266	10,190	6,025	5,301	3,296
September	5,857	31,597	8,340	39,721	11,525	n.p.	3,993	3,054
October	7,102	35,061	8,924	43,471	4,025	n.p.	4,112	3,342
November	7,136	33,638	7,720	41,698	9,705	n.p.	3,363	2,808
December	6,671	28,580	7,994	37,573	13,339	n.p.	1,847	2,436
1991—			r					
January	6,733	27,957	5,936	36,290	7,507	—	1,106	1,889
February	6,666	31,268	8,540	39,372	7,292	3,513	4,262	3,600
March	6,682	30,652	8,822	39,733	4,918	6,329	6,899	3,188
April	6,119	29,394	7,600	39,930	5,952	7,368	5,789	2,756
May	7,502	34,212	7,704	45,457	r10,430	7,362	5,239	3,404
June r	5,921	28,105	8,484	37,848	9,147	6,464	4,911	2,863
July	5,944	29,880	8,571	40,316	8,039	5,857	7,600	3,931

(a) Series has been revised due to increased coverage as a result of reconciliation with the 1989-90 Manufacturing Census. (b) 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)
1988-89	27,158	..	..
1989-90	27,318	..	..
1990-91	26,833	..	..
1990—			
May	2,864	2,364	2,277
June	2,436	2,344	2,311
July	2,437	2,289	2,347
August	2,960	2,616	2,350
September	1,977	2,271	2,312
October	2,263	2,144	2,260
November	2,651	2,281	2,219
December	1,649	2,019	2,215
1991—			r
January	1,160	2,264	2,234
February	2,414	2,307	2,252
March	2,628	2,439	2,243
April	2,064	2,094	2,195
May	2,635	2,144	2,127
June	1,995	2,024	2,056
July	2,105	1,896	1,974

(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, Paint, 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)



For more information ...

The ABS publishes a wide range of information on Australia's economic and social conditions. A catalogue of publications and products is available from any of our Offices (see below for contact details).

Information Consultancy Service

Special tables or in-depth data investigations are provided by the ABS Information Consultancy Service in each of our Offices (see below for contact details).

Electronic Data Services

A growing range of our data are available on electronic media. Selections of the most frequently requested data are available, updated daily, on DISCOVERY (Key *656#). Our TELESTATS service delivers major economic indicator publications ready to download into your computer on the day of release. Our PC-AUSSTATS service enables on-line access to a data base of thousands of up-to-date time series. Selected datasets are also available on diskette or CD-ROM. For more details on our electronic data services, contact Information Services in any of our Offices on the numbers below.

Bookshops and Subscriptions

There are over 500 titles available from the ABS Bookshops in each of our Offices. You can also receive any of our publications on a regular basis. Join our subscription mailing service and have your publications mailed to you in Australia at no additional cost. Telephone our Publications Subscription Service toll free on 008 02 06 08 Australia wide.

Sales and Inquiries



SYDNEY (02) 268 4611
MELBOURNE (03) 615 7000
BRISBANE (07) 222 6351
PERTH (09) 323 5140

ADELAIDE (08) 237 7100
HOBART (002) 20 5800
DARWIN (089) 81 3458
CANBERRA (06) 252 6627



Information Services, ABS, PO Box 10, Belconnen ACT 2616
or any ABS State office.

