



PRODUCTION BULLETIN NO. 8 : MISCELLANEOUS PRODUCTS AUSTRALIA, JULY 1987

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EXPLANATORY NOTES

Introduction

This publication is one of a series of eight containing monthly and quarterly production statistics. The titles of the other publications of this series are shown in paragraph 7 below.

2. Data contained in these publications are mostly based on monthly or quarterly collections conducted by the Australian Bureau of Statistics (ABS). Where another authority is the source this is indicated in a footnote.

Classification

3. Most items are identified by the commodity codes used in Australian manufacturing statistics. However, in cases where data are derived from sources other than ABS collections no commodity code is shown. In general, where items are combined they have been arranged so as to align production data with import and export commodity items in accordance with the Australian Standard Commodity Classification (ASCC). For further information regarding the ASCC, see the ABS publication *Australian Standard Commodity Classification, Part I: Introduction, Summary Classification and Commodity Keys* (1207.0).

Scope and coverage

4. 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.

5. 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

6. 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 of 'trading-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. The seasonally adjusted figures have been revised following annual reanalysis. Details of the methods used in seasonally adjusting these and other series are available on request.

Related publications

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

Production Bulletin No. 1 : Electrical Appliances, Australia (8357.0)—issued monthly

Production Bulletin No. 2 : Clothing and Footwear, Australia (8358.0)—issued monthly

Production Bulletin No. 3 : Food, Drink and Tobacco, Australia (8359.0)—issued monthly

Production Bulletin No. 4 : Textiles, Bedding and Floor Coverings, Australia (8360.0)—issued monthly

Production Bulletin No. 5 : Building Materials and Fittings, Australia (8361.0)—issued monthly

Production Bulletin No. 6 : Chemicals and By-products, Australia (8362.0)—issued monthly

Production Bulletin No. 7 : Motor Vehicles, Motor Bodies and Trained Vehicles, Australia (8363.0)—issued quarterly

Manufacturing Commodities: Selected Principal Articles Produced, Australia, 1984-85, Preliminary (8365.0).

Manufacturing Commodities: Principal Articles Produced, Australia, 1983-84 and 1984-85 (8303.0)

8. 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.p. not available for separate publication (but included in totals where applicable)
- .. not applicable
- r revised since last issue

IAN CASTLES
Australian Statistician

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ELECTRICITY(a)
(million kWh)

Period	Thermal (499.46)	Hydro (499.44)	Total	
			Original (499.42)	Seasonally adjusted(b)
1984-85	104,776	14,422	119,199	..
1985-86	109,438	14,931	124,369	..
1986-87	116,291	13,862	130,153	..
1986—				
May	9,690	1,111	10,801	10,414
June	9,900	1,346	11,246	10,435
July	10,836	1,331	12,167	10,470
August	10,302	1,275	11,578	10,588
September	9,415	1,229	10,645	10,674
October	9,326	1,287	10,613	10,633
November	8,937	1,167	10,104	10,771
December	9,155	1,191	10,346	10,973
1987—				
January	9,247	1,015	10,261	11,040
February	8,953	1,018	9,971	11,118
March	9,700	1,095	10,795	10,999
April	9,491	916	10,407	11,077
May	10,280	1,175	11,455	11,083
June	10,649	1,164	11,812	10,973
July	11,085	1,482	12,567	10,749

Period	N. S. W.(c)	Vic.(c)	Qld(c)	S. A. and N. T.(c) (499.42)	W. A.(c)	Tas.(c)	Australia
1984-85	44,165	27,474	20,147	9,285	9,849	8,279	119,199
1985-86	47,136	28,034	21,222	9,608	9,957	8,413	124,369
1986-87	47,960	31,135	22,622	9,660	10,390	8,386	130,153
1986—							
May	4,139	2,484	1,792	799	830	757	10,801
June	4,380	2,598	1,808	847	848	766	11,246
July	4,810	2,788	1,956	904	917	792	12,167
August	4,437	2,713	1,908	865	885	770	11,578
September	4,016	2,463	1,843	788	812	723	10,645
October	3,914	2,484	1,883	789	837	706	10,613
November	3,703	2,325	1,831	773	820	651	10,104
December	3,923	2,292	1,866	785	828	651	10,346
1987—							
January	3,578	2,450	1,934	759	888	652	10,261
February	3,567	2,413	1,776	762	855	598	9,971
March	3,839	2,617	1,953	804	902	679	10,795
April	3,571	2,690	1,858	760	861	667	10,407
May	4,182	2,896	1,908	825	897	748	11,455
June	4,419	3,005	1,905	846	890	748	11,812
July	4,881	2,919	2,107	902	928	830	12,567

(a) Figures represent estimates of total electricity generated by public utilities, factories generating for their own use and factories supplying electricity for domestic and other consumption. (b) See paragraph 6, Explanatory Notes. (c) Statistics relate to generation of electricity within each State and take no account of interchange between States. Furthermore, details for Victoria exclude Victorian entitlements to generation from the Hume Power Station and the Snowy Mountains Hydro-electric Scheme.

**BROWN
COAL
BRIQUETTES**
(' 000 tonnes)

GAS
(million megajoules)

Gas available for issue through mains

Period	N.S.W. and A.C.T.	W.A.	Other States (434.19)	Australia		Brown coal briquettes (261.41)
				Original	Seasonally adjusted(a)	
1984-85	83,838	75,467	304,168	463,473	..	789
1985-86	95,007	109,782	307,620	512,409	..	852
1986-87	96,361	129,412	298,558	524,330	..	811
1986—						
May	8,527	10,304	29,551	48,382	44,971	60
June	9,139	9,657	31,621	50,418	44,419	73
July	10,111	10,044	33,999	54,154	43,739	79
August	9,489	10,494	30,139	50,122	44,085	78
September	8,296	10,653	26,786	45,734	42,701	51
October	7,785	11,459	26,540	45,784	44,609	82
November	7,088	10,777	21,632	39,497	42,465	67
December	6,912	10,817	20,516	38,245	44,372	70
1987—						
January	6,483	10,733	19,487	36,703	45,533	58
February	7,211	10,788	18,042	36,042	42,694	71
March	7,769	11,677	21,298	40,745	43,251	30
April	7,677	10,607	23,334	41,619	44,933	87
May	8,491	10,950	27,336	46,777	43,432	75
June	9,047	10,412	29,449	48,908	43,015	63
July	9,905	11,152	34,743	55,800	45,295	50

(a) See paragraph 6, Explanatory Notes.

PETROLEUM REFINERY INPUT AND PRODUCTS(a)
(megalitres)

Period	Input(b)	Auto- motive gasoline	Aviation turbine fuel	Fuel oil	Auto- motive diesel oil	Industrial and marine diesel fuel	Bitumen
1984-85	33,518	15,529	2,599	2,855	8,023	421	519
1985-86	32,835	15,652	2,684	2,264	8,139	329	539
1986-87	33,334	15,476	2,765	2,274	8,427	240	523
1986—							
May	2,545	1,243	243	153	647	15.0	46.0
June	2,581	1,252	198	157	656	17.8	53.7
July	2,248	1,131	178	119	635	15.0	35.0
August	2,670	1,296	220	219	643	33.5	36.1
September	3,144	1,375	270	192	738	18.6	30.9
October	2,901	1,318	263	216	693	27.9	41.7
November	2,794	1,276	232	211	697	24.1	53.0
December	2,709	1,316	254	147	767	20.1	58.6
1987—							
January	3,025	1,373	264	177	783	28.2	36.6
February	2,686	1,130	204	167	735	14.2	48.0
March	2,832	1,362	252	160	673	17.8	54.0
April	2,743	1,295	195	141	724	11.4	49.2
May	2,791	1,295	218	278	691	11.6	42.1
June	2,791	1,311	215	247	649	17.5	37.9
July	2,838	1,347	244	158	607	7.8	19.2

(a) Produced by Australian refineries from imported and indigenous petroleum. Source: Department of Primary Industries and Energy. (b) Includes the input of crude, enriched crude and other petroleum based feedstock.

**CAST IRON
PIPES AND
TUBES
(tonnes)**
*Pipes, pipe
specials,
tubes and
fittings;
moulded
or spun(c)*
(447.52)

**FERROUS METALS
(' 000 tonnes)**

Period	Ferrous metals						Pipes, pipe specials, tubes and fittings; moulded or spun(c) (447.32)
	Pig iron(a)		Raw steel(a)		Blooms and slabs (442.28)	Tinplate (444.95,63)	
	Original (442.04,08)	Seas. adj.(b)	Original (442.71-73)	Seas. adj.(b)			
1984-85	5,331	..	6,311	..	3,992	358	r77,371
1985-86	5,925	..	6,826	..	4,446	312	82,195
1986-87	5,783	..	6,387	..	3,670	292	77,823
1986—							
May	509	502	585	566	349	21.5	7,757
June	482	477	562	549	360	18.0	7,254
July	444	426	520	483	329	26.1	8,428
August	502	496	581	566	375	29.8	6,720
September	505	510	590	575	384	31.8	7,515
October	506	506	562	559	350	19.6	9,126
November	485	501	548	581	339	29.2	7,440
December	513	503	567	558	338	26.3	4,861
1987—							
January	496	481	542	541	314	21.4	3,211
February	444	483	473	532	247	19.7	6,628
March	505	481	531	519	267	24.4	6,223
April	421	453	462	501	235	21.8	5,786
May	474	467	479	470	248	19.2	6,064
June	488	480	533	506	244	22.5	5,821
July	493	471	552	512	237	23.2	6,740

(a) Includes recovery from scrap. (b) See paragraph 6, Explanatory Notes. (c) Includes valves and valve parts.

**STEEL WIRE AND WIRE PRODUCTS
(tonnes)**

Period	Ferrous barbed wire (481.33)	Ferrous welded wire fabric (481.35)	Steel wire nails (481.41)	Steel wool (482.49)
1984-85	12,233	234,660	17,147	1,303
1985-86	12,923	254,358	15,770	1,263
1986-87	13,140	249,394	13,201	1,315
1984—				
June qtr	4,301	58,331	4,431	287
September qtr	4,163	60,325	4,989	350
December qtr	2,204	60,627	4,417	316
1985—				
March qtr	2,440	54,655	3,806	316
June qtr	3,426	59,053	3,935	321
September qtr	4,008	70,312	4,076	287
December qtr	2,633	63,068	4,354	321
1986—				
March qtr	2,501	56,741	3,443	323
June qtr	3,781	64,237	3,897	332
September qtr	3,902	64,880	3,828	345
December qtr	3,024	59,181	3,577	331
1987—				
March qtr	2,475	60,913	2,782	305
June qtr	3,739	64,420	3,014	333

NON-FERROUS ROLLED, EXTRUDED AND DRAWN PRODUCTS
(tonnes)

Period	Aluminium and alloy				
	Rods, bars and sections(a) (451.40)	Wire rod(b) (451.61)	Single wire and wire strip drawn from rod (except redrawn) (451.63)	Sheets, plate, strip, circles, slugs etc.(c) (451.50)	Foil (451.70)
1984-85	66,187	27,987	23,631	148,211	13,655
1985-86	70,207	24,038	17,782	161,890	13,362
1986-87	67,671	20,202	13,871	172,372	15,481
1986—					
May	6,702	1,752	1,460	12,939	1,185
June	5,810	1,696	1,529	13,364	1,263
July	6,026	2,080	1,642	15,197	1,354
August	5,759	1,723	1,252	13,500	1,272
September	5,575	1,552	1,154	15,416	1,359
October	5,855	1,787	1,192	17,852	1,399
November	6,055	1,943	1,449	14,557	1,372
December	4,816	1,007	877	12,187	1,246
1987—					
January	2,917	420	295	8,511	832
February	5,172	2,057	1,256	12,901	1,190
March	6,505	2,299	1,494	14,618	1,344
April	5,629	1,656	945	15,600	1,312
May	6,759	1,859	1,193	16,431	1,389
June	6,603	1,819	1,122	15,602	1,412
July	6,992	1,733	1,074	15,643	1,227

(a) Includes both solid and hollow. (b) Includes wire rod produced and further used for drawing to single wire. (c) Circles, slugs, etc. stamped from sheet or strip purchased, transferred in or imported are not included. Where stamped from sheet or strip produced in the same establishment, the weight of metal included in the statistics is that of the circles, etc. and not the weight of the sheet or strip from which they were stamped. Excludes production of liner aluminium sheet used in the manufacture of other products in the same establishment.

NON-FERROUS ROLLED, EXTRUDED AND DRAWN PRODUCTS—continued
(tonnes)

Period	Copper and alloy			
	Rods, bars and sections(a)		Single wire and wire strip (b)	Lead and alloy
	Brass (452.46)	Other (452.16)	Other than brass (452.25)	Sheets, plate, strip, circles, slugs, etc. (c) (453.50)
1984-85	21,602	4,244	49,662	3,420
1985-86	20,859	4,732	54,588	3,809
1986-87	20,588	10,798	51,089	3,453
1986—				
May	2,007	301	4,998	360
June	1,428	224	4,280	253
July	1,823	291	5,706	428
August	2,017	350	4,412	275
September	1,391	307	3,821	315
October	1,871	413	4,472	264
November	1,531	304	4,231	287
December	1,266	660	3,593	315
1987—				
January	596	660	1,526	144
February	2,135	1,495	4,589	239
March	1,895	1,710	5,409	299
April	1,837	1,385	3,606	242
May	2,268	2,007	4,482	416
June	1,958	1,216	5,242	229
July	2,393	773	4,254	301

(a) Includes both solid and hollow. (b) Drawn from rod (except redrawn). (c) Circles, slugs, etc. stamped from sheet or strip purchased, transferred in or imported are not included. Where stamped from sheet or strip produced in the same establishment, the weight of metal included in the statistics is that of the circles, etc. and not the weight of the sheet or strip from which they were stamped.

UNINSULATED ELECTRIC AND TELEPHONE CABLE, WIRE AND STRIP(a)
(tonnes)

Period	Aluminium, stranded	Copper
	(Aluminium content) (464.16)	(Copper content) (464.15)
1984-85	19,997	4,890
1985-86	16,739	5,736
1986-87	12,072	4,787
1986—		
May	1,091	517
June	1,434	516
July	1,423	665
August	1,103	486
September	1,113	416
October	1,020	244
November	1,233	400
December	680	300
1987—		
January	281	130
February	1,153	433
March	1,285	529
April	884	311
May	972	403
June	925	470
July	807	262

(a) For sale or transfer out as such, excludes single wire and single wire strip.

INSULATED ELECTRIC AND TELEPHONE CABLE, WIRE AND STRIP

Period	Power transmission and distribution(a)			Communication electronics and appliance	Automotive and similar low voltage (464.51)
	Copper(b)		Aluminium(c) (464.39)		
	Paper insulated (464.28)	Otherwise insulated (464.29)			
	Copper(b) (464.44)				
—tonnes—					' 000 metres
1984-85	2,479	132,079	3,609	12,629	89,572
1985-86	3,705	34,493	3,594	13,700	107,642
1986-87	14,161	136,718	3,765	12,555	199,792
1986—					
May	372	3,182	456	1,414	9,818
June	397	2,570	287	1,084	10,051
July	494	3,673	409	1,321	9,727
August	466	3,115	403	1,217	10,674
September	n.p.	3,194	339	1,110	10,344
October	n.p.	3,116	370	1,207	8,996
November	348	3,427	323	1,145	6,052
December	n.p.	2,759	382	963	5,109
1987—					
January	n.p.	787	53	416	3,638
February	209	3,187	295	941	7,504
March	545	3,466	250	1,270	7,993
April	1,205	2,727	202	823	7,561
May	1,349	3,743	361	1,090	11,996
June	1,238	3,524	378	1,052	110,202
July	221	3,307	282	1,117	11,956

(a) Includes household and building wiring. (b) Weight of copper content only. (c) Weight of aluminium content only.

NON-FERROUS REFINED METALS(a)

LAWNMOWERS

Period	Copper (452.04)	Lead(b) (453.04)	Tin (456.04)	Zinc (457.04)	Precious metals		Lawn mowers with engine (undercut rotary petrol type), 2 stroke or 4 stroke	
					Silver (455.64)	Gold (455.04)	Original (699.51)	Seasonally adjusted(c)
	'000 tonnes	'000 tonnes	tonnes	'000 tonnes	kg	kg	number	number
1984-85	165	189	2,824	299	284,963	40,501	246,276	..
1985-86	163	206	2,208	297	315,337	56,928	290,239	..
1986-87	171	142	784	300	270,608	81,856	274,699	..
1986—								
May	14.2	20.9	193	26.0	29,025	5,155	9,528	24,640
June	12.4	20.0	109	31.4	29,009	5,798	14,175	24,819
July	15.2	12.1	153	25.6	20,104	5,533	21,933	23,458
August	12.3	1.1	75	27.3	34,360	6,367	25,321	20,948
September	13.2	0.4	84	25.8	11,141	5,773	34,506	23,898
October	13.4	13.6	44	24.1	16,144	7,226	47,452	29,930
November	17.8	14.6	45	22.3	22,609	6,333	32,877	18,708
December	10.0	14.9	77	24.7	27,115	7,084	20,088	17,498
1987—								
January	12.7	18.4	8	25.2	22,626	7,470	13,194	16,134
February	13.4	16.5	38	24.3	28,557	5,976	22,445	22,999
March	16.0	12.7	70	26.9	29,548	6,692	16,788	24,231
April	14.1	1.4	56	24.5	20,839	6,918	13,202	28,410
May	15.4	19.0	95	24.1	11,820	9,920	9,516	26,282
June	17.4	17.7	39	25.6	25,745	6,564	17,377	28,156
July	14.0	18.2	97	26.8	29,994	11,332	19,090	21,720

(a) Primary origin only. Comprises production by establishments classified to either the Manufacturing or Mining Sectors. Source: Bureau of Mineral Resources.
 (b) Includes lead content of lead alloys from primary sources but excludes lead-silver bullion. (c) See paragraph 6, Explanatory Notes.

Period	PEDAL CYCLES(a) (number)	COKE ('000 tonnes)
	Pedal cycles(a) (611.01)	Metallurgical coke (435.22)
1984-85	112,957	3,254
1985-86	103,661	3,534
1986-87	83,503	3,253
1984—		
June qtr	16,869	819
September qtr	23,727	820
December qtr	55,927	841
1985—		
March qtr	16,213	786
June qtr	17,090	807
September qtr	28,490	848
December qtr	44,000	872
1986—		
March qtr	18,888	940
June qtr	12,283	874
September qtr	26,851	846
December qtr	33,543	863
1987—		
March qtr	13,744	779
June qtr	9,365	765

(a) Complete or packed for final assembly. Excludes tricycles and similar toy vehicles.