



# **Manufacturing Production Australia**

## **Building Materials and Fittings**

**June 1994 - August 1994**

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## FINAL ISSUE OF THIS PUBLICATION

This is the final issue of this publication. From 1995 collection and dissemination of items in this publication will be determined by the following factors:

- aggregate monthly Australia-level data for major economic indicator (MEI) items will continue to be released monthly in the bulletin *Manufacturing Production, Australia, Preliminary (8301.0)*. The following commodity items which were previously released in this publication, will continue to be collected and released monthly in 8301.0:

- . clay bricks
- . portland cement
- . ready mix concrete
- . unlaminated particle board

- quarterly Australia-level data for items required for government policy purposes will be collected quarterly. The collection of these items will be fully funded by the ABS and released to users via a special data service.

- other commodity items will only be collected where users fund their collection. Data for these items will be disseminated to users via a special data service.

If you require further information regarding the above issues or the status of particular items, please contact Rod Smith on (03) 615 7635.

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**MANUFACTURING PRODUCTION, AUSTRALIA**  
**BUILDING MATERIALS AND FITTINGS**  
**JUNE 1994 - AUGUST 1994**

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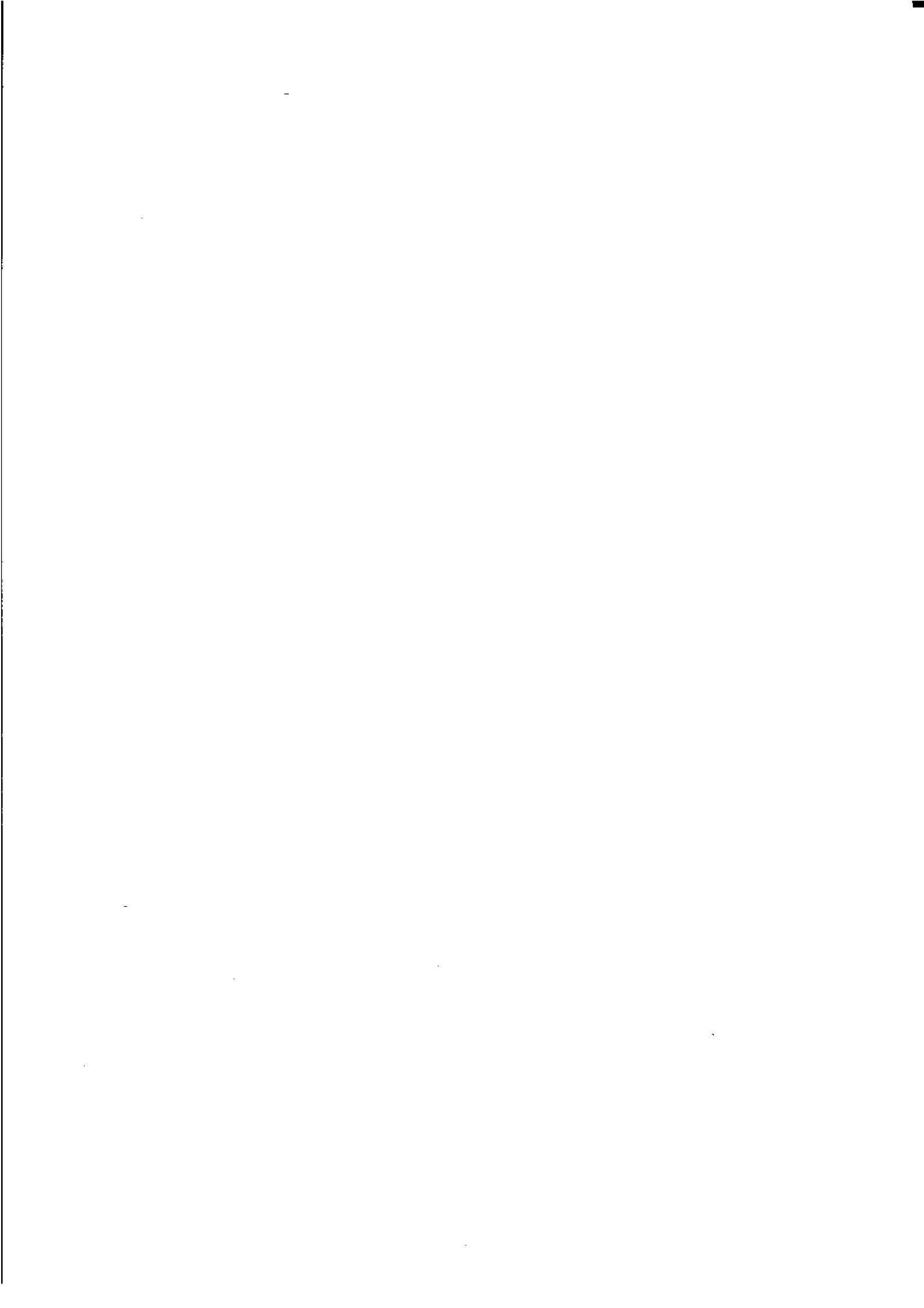
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### INQUIRIES

- *for further information about statistics in this publication and the availability of related unpublished statistics, contact Rod Smith on Melbourne (03) 615 7635 or any ABS office.*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.*
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**TABLE 1. CLAY BRICKS**  
(million)

Period	For structural purposes (662.46.47)							For other purposes (incl pavers) (662.48)
	NSW and ACT	Vic.	Qld	Other States	Original	Australia Seasonally adjusted (a)	Trend (b)	
1991-92	r 653	284	286	396	1,632	..	..	286
1992-93	r 677	304	322	409	1,722	..	..	296
1993-94	716	302	341	452	1,812	..	..	351
1993 —						r		
June	61	32	28	41	162	151	150	24
July	63	27	29	35	154	149	150	27
August	66	30	30	40	166	153	150	24
September	59	27	31	38	156	149	149	27
October	57	25	30	36	147	146	149	29
November	63	28	31	39	161	150	149	32
December	50	21	25	39	135	147	r 150	31
1994 —						r	r	
January	40	11	23	25	98	153	151	26
February	60	24	29	38	150	158	152	20
March	70	30	30	42	173	150	152	35
April	54	25	27	38	144	151	153	r 31
May	73	28	27	39	167	151	153	r 36
June	62	27	29	43	161	155	154	31
July	62	26	29	38	156	155	154	27
August	70	32	34	39	175	156	155	31
1993-94: July to Aug.	128	57	59	75	320	..	..	51
1994-95: July to Aug.	132	58	62	77	330	..	..	58

(a) See paragraph 5 of Explanatory Notes. (b) See paragraph 6 to 8, Explanatory Notes.

**TABLE 2. TERRACOTTA AND CONCRETE ROOFING TILES**  
('000 square metres) (a)

Period	NSW and ACT	Vic.	WA	Other States	Australia		Total
					Terracotta (662.51)	Concrete (663.46)	
1991-92	r 7,159	3,666	2,977	6,756	3,579	17,513	21,092
1992-93	r 8,181	4,056	3,669	7,312	3,652	20,206	23,858
1993-94	8,572	3,474	4,233	7,860	3,508	20,603	24,139
1993 —	r						r
June	781	371	329	683	342	1,823	2,165
July	741	367	341	711	322	1,811	2,159
August	759	327	324	660	320	1,749	2,069
September	775	288	335	760	r 312	1,846	2,157
October	725	338	346	712	324	1,796	2,120
November	780	375	401	731	311	1,976	2,286
December	614	222	326	572	237	1,497	1,734
1994	r						r
January	287	30	285	293	179	716	895
February	682	240	351	660	228	1,706	1,935
March	806	312	400	730	r 301	r 1,947	2,248
April	688	298	352	605	r 308	r 1,635	1,943
May	902	342	402	718	r 334	r 2,030	2,364
June	814	335	370	708	333	1,895	2,227
July	754	329	386	697	343	1,822	2,165
August	903	326	400	798	350	2,076	2,426
1993-94: July to Aug.	1,499	694	665	1,371	642	3,560	4,228
1994-95: July to Aug.	1,656	655	786	1,495	693	3,898	4,592

(a) Refers to the theoretical effective coverage of the tiles if laid in an interlocking manner on a flat surface. For each type of tile, coverage is calculated using standard side lap and minimum head lap, without any provision for wastage.

**TABLE 3. PORTLAND CEMENT, PORTLAND CEMENT CLINKER, CONCRETE BLOCKS, BRICKS AND PAVERS AND REFRACTORY CONSTRUCTION MATERIALS**  
(\*000 tonnes)

Period	Portland cement and blended portland cement (661.22)			Portland cement clinker (661.21)	Refractory bricks and other refractory construction materials (662.30)	Concrete blocks bricks and pavers (663.65)
	Original	Seasonally adjusted (a)	Trend (b)			
1991-92	5,731	..	..	5,272	121	1,749
1992-93	6,225	..	..	5,466	128	1,858
1993-94	6,647	..	..	6,140	128	2,104
1993 —		r	r			
June	546	528	540	464	11	176
July	558	531	538	552	10	171
August	572	546	538	591	10	174
September	518	520	543	464	11	206
October	594	551	550	452	10	181
November	644	573	555	578	11	200
December	539	556	558	565	10	155
1994		r	r			
January	407	577	555	480	10	116
February	497	538	552	408	11	173
March	564	544	553	524	12	191
April	515	541	561	512	9	161
May	625	581	577	509	9	191
June	616	590	594	506	14	187
July	659	641	612	575	13	173
August	661	625	628	588	14	205
1993-94: July to Aug.	1,130	..	..	1,142	20	344
1994-95: July to Aug.	1,320	..	..	1,163	27	378

(a) See paragraph 5, Explanatory Notes. (b) See paragraph 6 to 8, Explanatory Notes.

**TABLE 4. READY MIXED CONCRETE (a)**  
(\*000 cu. m)

Period	NSW	Vic.	Qld	SA	WA (596.01)	Tas.	NT	ACT	Australia
1991-92	4,688	2,506	3,647	856	1,000	246	116	224	13,282
1992-93	4,633	2,927	4,105	936	1,234	254	111	275	14,475
1993-94	4,796	2,963	4,676	914	1,319	262	119	253	15,302
1993 —									
June	387	259	387	79	109	21	11	28	1,281
July	380	259	380	81	107	19	11	24	1,260
August	408	235	393	80	109	21	13	26	1,285
September	401	220	391	80	119	20	12	25	1,268
October	408	246	r 396	74	118	22	11	24	r 1,300
November	422	245	r 417	81	121	20	11	23	r 1,342
December	362	232	363	r 77	106	21	8	17	1,186
1994 —									
January	290	181	308	60	90	19	8	15	972
February	369	235	359	80	111	24	7	21	1,206
March	r 430	287	380	86	122	27	10	23	r 1,366
April	r 397	229	391	66	100	21	8	16	r 1,230
May	r 492	294	434	79	115	23	11	21	r 1,469
June	436	299	464	70	100	23	8	19	1,419
July	456	297	437	79	118	20	10	21	1,438
August	490	300	455	82	124	24	15	19	1,509
1993-94: July to Aug.	788	494	773	161	216	40	24	49	2,545
1994-95: July to Aug.	946	597	892	161	243	44	25	40	2,947

(a) Reported production of ready mixed concrete for sale as such. Excludes production used, or for use, in the same enterprise.



TABLE 5. PARTICLE BOARDS AND SIMILAR BOARDS AND SHEETS

Period	<i>Particle board and similar boards of wood or other ligneous materials (a)</i>			
	<i>Not laminated (b)</i> (634.27)	<i>Decorative melamine or D.A.P. laminates (c)</i> (634.25)	<i>Veneer sheets and sheets for plywood</i>	
			<i>Peeled</i> (634.13)	<i>Sliced</i> (634.14)
	'000 cu.m	'000 cu.m	'000 sq.m	'000 sq.m
1991-92	643	395	31,200	2,346
1992-93	660	423	37,819	3,175
1993-94	752	454	n.p.	3,442
<i>1993 —</i>				
June	62	39	3,371	288
July	61	39	3,504	297
August	68	42	3,632	295
September	67	38	3,640	319
October	68	41	3,787	299
November	69	42	3,583	296
December	55	36	3,164	247
<i>1994 ...</i>				
January	32	26	2,181	105
February	57	31	3,797	289
March	67	39	4,829	r 315
April	64	36	3,924	r 298
May	70	40	4,852	r 349
June	73	43	n.p.	333
July	66	34	n.p.	304
August	78	41	n.p.	308
1993-94: July to Aug.	129	81	7,136	592
1994-95: July to Aug.	144	75	n.p.	612

(a) Boards, whether or not agglomerated with resins or other organic binding substances. Excludes fibreboard and fibre paperboard. (b) Includes board for subsequent conversions to other purposes. (c) Excludes decorative laminated sheets simply bonded by means of an adhesive to a substrate.

TABLE 6. STAINLESS STEEL SINKS AND CERAMIC TILES

Period	<i>Sinks (inc. combination sinks) pressed steel standard size stainless (a)</i> (697.56)	<i>Glazed ceramic flags and paving, hearth or wall tiles and glazed ceramic mosaic cubes</i> (662.45)
	number	'000 sq.m
1991-92	248,138	3,355
1992-93	264,640	n.p.
1993-94	n.p.	n.p.
<i>1993 —</i>		
June	19,997	n.p.
July	22,880	n.p.
August	28,408	n.p.
September	27,402	n.p.
October	27,566	n.p.
November	26,549	n.p.
December	20,477	n.p.
<i>1994 ...</i>		
January	9,990	n.p.
February	23,051	n.p.
March	36,486	n.p.
April	28,624	n.p.
May	31,254	n.p.
June	n.p.	n.p.
July	n.p.	n.p.
August	n.p.	n.p.
1993-94: July to Aug.	51,288	n.p.
1994-95: July to Aug.	n.p.	n.p.

(a) Excludes enamelled or galvanised sinks.

## 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. As happens with all seasonally adjusted series the seasonal factors are reviewed annually to take account of each additional year's original data. The results of the latest review were used to compile the revised seasonally adjusted and trend estimates contained in this bulletin. Regular subscribers can obtain a complimentary copy of the full revised series 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 quarterly

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

*Manufacturing Production, Australia, Food, Drink, Tobacco, Stock and Poultry Food* (8359.0) — issued quarterly

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

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

*Manufacturing Production, Australia, Transport Equipment* (8363.0) — issued quarterly

*Manufacturing Production, Australia, Metal Products* (8367.0) — issued quarterly

*Manufacturing Production, Australia, Energy Products* (8368.0) — issued quarterly

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

*Manufacturing Production, Australia: Principal Commodities Produced, 1989-90*, (8365.0)

*Unpublished production data* is also available from the ABS Sydney office. Please contact Frank Orton on (02) 268 4245.

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





## For more information ...

The ABS publishes a wide range of statistics and other information on Australia's economic and social conditions. Details of what is available in various publications and other products can be found in the *ABS Catalogue of Publications and Products* available at all ABS Offices (see below for contact details).

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