



MANUFACTURING PRODUCTION

AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) MON 11 NOV 2002

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- For further information about these and related statistics, contact Merv Leaker on Adelaide 08 8237 7536 or the National Information and Referral Service on 1300 135 070.

NOTES

FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
December quarter 2002	11 February 2003
March quarter 2003	12 May 2003
June quarter 2003	11 August 2003

IN THIS ISSUE

This publication presents estimates of selected major indicators of manufacturing production for Australia.

This issue also includes annual summary data mainly related to yarns, textiles, clothing, hosiery and footwear, which were last published in the September quarter 2001 issue of this publication. See also paragraph 19 of the Explanatory Notes on page 8.

Trend and seasonally adjusted estimates of production for all quarterly series have been revised as a result of new seasonal factors being calculated (please refer to paragraphs 12–15 of the Explanatory Notes on page 7).

More detailed and other commodity items are collected by the Australian Bureau of Statistics (ABS) and are available to users on request and for a charge, as are monthly series for a limited number of data items. These data items are listed in paragraph 20 of the Explanatory Notes on page 8.

EFFECTS OF ROUNDING

Estimates of change shown in this publication have been calculated using unrounded estimates and may be different from, but are more accurate than, movements obtained from the rounded estimates.

ABBREVIATIONS AND SYMBOLS

ABARE	Australian Bureau of Agricultural and Resource Economics
ABS	Australian Bureau of Statistics
ADC	Australian Dairy Corporation
DITR	Department of Industry, Tourism and Resources
n.a.	not available
n.p.	not publishable
n.y.a.	not yet available
r	figure or series revised since previous issue
—	nil or rounded to zero

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QUARTERLY COMMODITY PRODUCTION: All series(a)

No.	Item and unit/Series	2000.....			2001.....			2002.....			Percentage changes between latest quarter shown and....	
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	prev. quarter	same quarter prev. year
1	Red meat ('000 tonnes)											
	Original	804	802	780	814	799	748	717	r812	810	-0.3	1.3
	Seasonally adjusted	793	803	798	807	788	749	736	802	797	-0.6	1.1
	Trend	788	800	806	800	778	757	759	778	801	2.9	3.0
2	Chicken meat ('000 tonnes)											
	Original	152	162	151	155	156	166	168	176	176	-0.4	12.9
	Seasonally adjusted	155	157	152	156	159	161	171	177	178	0.6	12.3
	Trend	155	155	154	155	158	163	170	175	180	2.4	13.9
3	Cheese (tonnes)											
	Original	76 285	114 312	90 775	79 777	r88 670	r135 858	r109 701	78 470	n.y.a.	-28.5	-1.6
	Seasonally adjusted	88 064	87 131	87 835	100 921	102 326	103 872	106 160	98 806	n.y.a.	-6.9	-2.1
	Trend	89 601	87 511	90 953	97 301	102 841	104 409	103 412	101 828	n.y.a.	-1.5	4.7
4	Butter (tonnes)											
	Original	36 525	56 685	36 982	29 409	35 802	57 637	r41 248	28 590	n.y.a.	-30.7	-2.8
	Seasonally adjusted	41 788	38 008	38 087	44 132	40 905	38 774	42 542	42 619	n.y.a.	0.2	-3.4
	Trend	40 432	39 431	39 916	40 965	41 227	40 863	41 275	42 487	n.y.a.	2.9	3.7
5	Beer (megalitres)											
	Original	414	500	451	380	416	492	428	408	406	-0.5	-2.4
	Seasonally adjusted	434	433	453	424	440	422	436	455	423	-7.1	-3.9
	Trend	439	440	439	437	430	432	438	439	437	-0.4	1.6
6	Tobacco and cigarettes (tonnes)											
	Original	5 185	4 763	4 217	4 959	5 196	4 522	3 843	4 806	5 280	9.9	1.6
	Seasonally adjusted	4 913	4 794	4 629	4 822	4 857	4 579	4 178	4 676	5 002	7.0	3.0
	Trend	4 810	4 730	4 761	4 792	4 726	4 535	4 463	4 607	4 852	5.3	2.7
7	Newspaper ('000 tonnes)											
	Original	100	97	100	94	95	99	104	100	103	3.3	9.1
	Seasonally adjusted	100	99	99	95	94	100	103	101	101	-0.2	7.8
	Trend	99	100	98	96	96	99	101	102	102	-0.6	5.8
8	Wood pulp ('000 tonnes)											
	Original	226	227	220	222	198	212	211	222	216	-2.8	9.0
	Seasonally adjusted	230	226	221	219	201	211	213	218	219	0.5	9.0
	Trend	224	226	223	216	211	210	213	217	219	0.9	3.7
9	Undressed sawn timber ('000 m ³)											
	Original	1 021	853	805	846	r776	r1 093	1 151	1 094	n.y.a.	-5.0	29.3
	Seasonally adjusted	966	883	813	860	733	1 132	1 158	1 116	n.y.a.	-3.7	29.8
	Trend	959	895	820	802	886	1 018	1 126	1 193	n.y.a.	6.0	48.7
10	Hardwood woodchips ('000 tonnes)											
	Original	1 717	1 674	1 434	1 576	1 388	1 340	1 494	1 690	1 869	10.6	34.6
	Seasonally adjusted	1 692	1 729	1 470	1 513	1 369	1 384	1 532	1 621	1 843	13.7	34.6
	Trend	1 678	1 653	1 563	1 452	1 395	1 412	1 510	1 655	1 794	8.4	28.6
11	Automotive gasoline (megalitres)											
	Original	4 524	4 398	4 321	4 644	4 714	4 251	4 433	4 602	n.y.a.	3.8	-0.9
	Seasonally adjusted	4 462	4 453	4 476	4 527	4 603	4 341	4 556	4 487	n.y.a.	-1.5	-0.9
	Trend	4 448	4 457	4 498	4 521	4 509	4 484	4 477	4 489	n.y.a.	0.3	-0.7
12	Fuel oil (megalitres)											
	Original	475	527	505	444	492	396	424	372	n.y.a.	-12.4	-16.4
	Seasonally adjusted	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.y.a.	n.p.	n.p.
	Trend	494	492	497	484	455	425	401	390	n.y.a.	-2.6	-19.3
13	Aviation turbine fuel (megalitres)(b)											
	Original	1 418	1 463	1 509	1 446	1 517	1 290	1 321	1 262	n.y.a.	-4.4	-12.7
	Seasonally adjusted	1 413	1 435	1 500	1 486	1 514	1 267	1 314	1 291	n.y.a.	-1.7	-13.1
	Trend	1 423	1 449	1 490	1 497	1 438	1 355	1 298	1 278	n.y.a.	-1.5	-14.6
14	Automotive diesel oil (megalitres)											
	Original	3 052	3 471	3 288	3 401	3 405	3 213	3 241	3 206	n.y.a.	-1.1	-5.7
	Seasonally adjusted	3 155	3 321	3 370	3 399	3 478	3 115	3 275	3 206	n.y.a.	-2.1	-5.7
	Trend	3 151	3 280	3 393	3 414	3 355	3 272	3 215	3 200	n.y.a.	-0.5	-6.3

(a) Users should note that the seasonally adjusted and trend estimates have been revised. Generally, the most recent trend estimates published in this release are likely to be improved (revised) when next quarter's seasonally adjusted estimates become available. For more information, users should refer to paragraphs 12–15 of the Explanatory Notes.

(b) The recent large downward movement in the original series has caused some uncertainty in the trend estimates from December quarter 2001. More data is required before the effect of the abrupt change in the level can be appropriately assessed, and hence a more accurate trend estimate can be made.

No.	Item and unit/Series	2000..... 2001..... 2002.....									Percentage changes between latest quarter shown and....			
		2000	2001	2002	2000	2001	2002	2000	2001	2002	prev. quarter	same quarter prev. year		
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep				
15	Portland cement ('000 tonnes)													
	Original	1 898	1 652	1 554	1 717	1 679	1 836	1 729	1 992	2 030	1.9	20.9		
	Seasonally adjusted	1 850	1 619	1 687	1 667	1 650	1 773	1 908	1 930	1 966	1.8	19.1		
	Trend(b)	1 885	1 746	1 652	1 639	1 694	1 773	1 869	1 937	1 975	2.0	16.6		
16	Clay bricks (million)													
	Original	420	382	298	348	367	380	356	411	422	2.7	15.0		
	Seasonally adjusted	398	382	325	341	346	379	389	402	398	-0.9	15.1		
	Trend(b)	415	375	343	335	350	373	389	398	403	1.1	14.9		
17	Ready mixed concrete ('000 m ³)													
	Original	4 679	4 188	3 932	4 452	4 880	4 896	4 523	5 148	5 570	8.2	14.1		
	Seasonally adjusted	4 442	4 111	4 266	4 423	4 632	4 808	4 911	5 109	5 285	3.5	14.1		
	Trend(b)	4 757	4 353	4 227	4 391	4 620	4 786	4 944	5 104	5 254	2.9	13.7		
18	Alumina ('000 tonnes)													
	Original	4 004	4 049	3 950	4 096	4 119	r4 149	r4 077	4 072	n.y.a.	-0.1	-0.6		
	Seasonally adjusted	3 943	4 039	4 032	4 082	4 084	4 123	4 178	4 057	n.y.a.	-2.9	-0.6		
	Trend	3 960	4 017	4 049	4 071	4 102	4 126	4 126	4 110	n.y.a.	-0.4	1.0		
19	Zinc ('000 tonnes)													
	Original	139	130	127	137	144	146	139	142	n.y.a.	2.2	3.6		
	Seasonally adjusted	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.y.a.	n.p.	n.p.		
	Trend	127	131	133	136	141	143	144	143	n.y.a.	-0.6	5.2		
20	Silver (tonnes)													
	Original	110	148	140	134	154	156	147	159	n.y.a.	8.2	18.7		
	Seasonally adjusted	112	147	147	128	156	155	154	152	n.y.a.	-1.4	19.0		
	Trend	139	140	141	143	147	153	155	152	n.y.a.	-1.6	6.8		
21	Copper ('000 tonnes)													
	Original	117	127	133	141	147	137	142	137	n.y.a.	-3.5	-2.8		
	Seasonally adjusted	114	132	137	136	144	141	147	132	n.y.a.	-9.6	-2.4		
	Trend	121	128	135	139	142	143	141	137	n.y.a.	-2.8	-1.3		
22	Lead ('000 tonnes)													
	Original	51	63	54	47	66	70	69	71	n.y.a.	2.9	51.1		
	Seasonally adjusted	52	63	54	46	67	70	70	69	n.y.a.	-0.7	51.1		
	Trend	53	53	55	60	65	69	70	70	n.y.a.	-0.3	16.5		
23	Tin (tonnes)													
	Original	216	182	296	345	266	187	193	183	n.y.a.	-5.2	-47.0		
	Seasonally adjusted	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.y.a.	n.p.	n.p.		
	Trend	197	239	280	298	276	225	184	163	n.y.a.	-11.1	-45.2		
24	Gold (tonnes)													
	Original	78	82	92	108	85	88	86	88	n.y.a.	2.0	-19.2		
	Seasonally adjusted	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.y.a.	n.p.	n.p.		
	Trend	86	84	85	88	88	86	85	85	n.y.a.	-0.6	-3.9		
25	Electricity (million kWh)													
	Original	49 387	45 977	46 865	46 317	47 412	45 977	45 814	46 650	48 462	3.9	2.2		
	Seasonally adjusted	47 467	47 204	47 721	46 212	45 661	47 179	46 652	46 556	46 665	0.2	2.2		
	Trend	47 457	47 513	47 050	46 509	46 305	46 484	46 732	46 698	46 530	-0.4	0.5		
26	Gas (petajoules)													
	Original	213	173	177	205	218	185	166	r204	228	11.8	4.2		
	Seasonally adjusted	188	185	203	193	193	199	190	192	201	4.6	4.2		
	Trend	188	191	194	196	196	193	193	194	197	1.2	0.6		

(a) Users should note that the seasonally adjusted and trend estimates have been revised. Generally, the most recent trend estimates published in this release are likely to be improved (revised) when next quarter's seasonally adjusted estimates become available. For more information, users should refer to paragraphs 12–15 of the Explanatory Notes.

(b) Due to a change in the level of the original estimates from September quarter 2000 and onwards, a trend break has been introduced at September quarter 2000 to remove the effect from the seasonal adjustment process. See also paragraphs 14–16 of the Explanatory Notes.

No.	Item and unit	1996-97	1997-98	1998-99	1999-2000	2000-01	2001-02	Percentage change between latest year shown and prev. year
Yarns and textiles								
A1	Scoured and carbonised wool (tonnes)	165 268	165 104	129 753	118 558	124 679	99 924	-19.9
A2	Wool and man-made fibre tops (tonnes)	57 645	60 084	53 162	55 335	61 315	53 828	-12.2
A3	Wool yarn (tonnes)	18 285	18 077	17 668	19 020	14 894	15 815	6.2
A4	Cotton yarn (tonnes)	39 853	36 897	36 814	33 368	33 203	26 926	-18.9
A5	Synthetic fibre yarn (tonnes)	12 547	12 913	10 311	11 148	9 080	7 638	-15.9
A6	Wool broadwoven fabric ('000 m ²)	6 300	6 636	6 254	5 427	4 013	3 641	-9.3
A7	Cotton broadwoven fabric ('000 m ²)	60 617	62 088	55 824	47 230	39 305	33 780	-14.1
A8	Man-made fibre broadwoven fabric ('000 m ²)	142 194	135 768	136 886	132 847	88 294	69 136	-21.7
A9	Knitted or crocheted fabrics (tonnes)	16 117	13 019	(b)14 004	14 135	14 946	9 227	-38.3
Textile floor coverings-								
A10	Of tufted wool or fine animal hair ('000 m ²)	11 610	11 709	13 286	14 894	12 732	12 825	0.7
A11	Of other tufted textile material ('000 m ²)	30 483	31 241	30 261	29 993	29 326	29 173	-0.5
A12	Other ('000 m ²)	1 888	1 544	1 595	1 515	r1 456	1 291	-11.3
Clothing ('000)								
A13	Men's complete suits	200	175	139	138	98	95	-3.2
A14	Men's and boys' woven coats	499	473	367	328	338	297	-11.9
A15	Men's and boys' long trousers	3 283	3 082	2 792	2 287	1 911	1 682	-12.0
A16	Men's and boys' shorts	1 933	1 646	1 517	1 128	941	749	-20.4
A17	Men's and boys' shirts	9 620	8 761	8 587	8 024	4 866	5 029	3.4
A18	Women's and girls' woven coats, blazers and jackets	506	410	469	328	235	171	-27.0
A19	Women's and girls' long trousers	1 570	1 044	991	859	500	392	-21.7
A20	Women's shirts and blouses	5 007	4 144	3 697	3 387	3 870	4 988	28.9
A21	Men's and boys' knitted cardigans, jumpers, sweatshirts and sloppy-joes	2 001	1 523	1 493	1 170	924	611	-33.8
A22	Women's and girls' knitted cardigans, jumpers, sweatshirts and sloppy-joes	1 762	1 671	1 520	1 086	1 042	486	-53.4
A23	Sleepwear	n.p.	2 654	2 222	2 195	1 000	512	-48.7
A24	Knitted underwear (excl. men's and boys' singlets)	22 064	17 432	15 211	13 754	n.p.	n.p.	n.p.
A25	Brassieres	5 462	4 434	n.p.	1 753	1 299	n.p.	n.p.
A26	Men's and boys' swimwear	605	613	656	550	136	n.p.	n.p.
A27	Women's and girls' swimwear	2 223	1 619	1 777	1 861	2 204	1 880	-14.7
A28	Long jeans	2 949	2 936	2 605	1 832	935	834	-10.8
A29	Knitted complete tracksuits	300	243	258	54	90	39	-56.0
Hosiery ('000 pairs)								
A30	Pantyhose and tights	55 418	(a)48 268	43 030	37 872	30 264	29 009	-4.1
A31	Women's knitted other hosiery	n.a.	19 847	19 000	19 119	16 379	15 909	-2.9
A32	Men's knitted hosiery	24 230	24 330	24 159	23 507	19 851	16 926	-14.7
A33	Children's knitted hosiery	9 939	10 160	8 993	7 854	6 669	5 739	-13.9
Footwear ('000 pairs)								
A34	Men's	4 687	4 558	4 254	3 722	3 200	2 879	-10.0
A35	Women's	7 197	6 947	6 249	5 807	4 871	3 397	-30.3
A36	Children's	1 272	862	735	169	r61	64	4.8
Other ('000 tonnes)								
A37	Paperboard containers	1 138	1 177	1 285	1 385	1 395	1 392	-0.2
A38	Superphosphates	1 511	1 819	1 464	1 429	1 379	1 585	14.9

(a) Refer to the Clarification of terms from page 11 for important definitional information.

(b) Commencing with 1998-99, there has been an improvement in coverage for knitted or crocheted fabrics. For 1998-99, this improved coverage contributed approximately a 6% increase in the production level for Australia.

EXPLANATORY NOTES

INTRODUCTION

1 This publication presents quarterly and annual estimates of production of selected major manufacturing commodities for Australia.

SCOPE AND COVERAGE

2 Data presented in this publication are collected from a number of different sources. The prime source is the ABS surveys of manufacturing production. Data are also obtained from surveys undertaken by the Department of Industry, Tourism and Resources (DITR), the Australian Bureau of Agricultural and Resource Economics (ABARE), the Australian Dairy Corporation (ADC) and from ABS agriculture collections. Scope and coverage varies slightly depending on the source of the information.

3 Production statistics sourced from ABS manufacturing production surveys are not collected from single establishment manufacturing businesses with fewer than four persons employed, nor from establishments predominantly engaged in non-manufacturing activities but which may carry out some manufacturing in a minor way. However, in general, the contribution of these small producers to statistical aggregates is only marginal and data contained in this publication provide reliable information for the evaluation of movements in commodity production.

4 The statistics of meat production include data collected from abattoirs and other major slaughtering establishments, plus estimates of animals slaughtered for human consumption on farms and by country butchers and other small slaughtering establishments. Further information about this series, including more detail, is available in the monthly publication *Livestock and Meat, Australia* (Cat. no. 7218.0) and in the quarterly publication *Livestock Products, Australia* (Cat. no. 7215.0).

5 The statistics on chicken meat have been collected from commercial poultry slaughtering establishments. Many very small producers and Tasmanian producers are excluded from the collection; however, the statistics represent a high level of coverage. Further information about this series, including more detail, is available in the quarterly publication *Livestock Products, Australia* (Cat. no. 7215.0).

6 Data on the production of base metals and sawn timber are obtained from the ABARE publications *Mineral Statistics* and *Australian Forest Products Statistics*.

7 Data on the production of fuels are obtained from the DITR Petroleum and International Energy Division publication *Australian Petroleum Statistics*.

8 Data on the production of cheese and butter are obtained from the ADC as unpublished data.

COMPARABILITY WITH OTHER ESTIMATES

9 The quarterly production statistics presented in this publication account, in total, for less than one-fifth of the output of the manufacturing sector. For information on general trends in the manufacturing sector, refer to the publications shown in paragraphs 10, 11 and 18.

10 Details of the value of manufacturers' sales and inventories are published quarterly in *Business Indicators, Australia* (Cat. no. 5676.0) (which has replaced *Inventories and Sales, Selected Industries, Australia* (Cat. no. 5629.0)). Information about the manufacturing sector's contribution to the Australian economy is published quarterly in *Australian National Accounts: National Income, Expenditure and Product* (Cat. no. 5206.0).

COMPARABILITY WITH OTHER ESTIMATES *continued*

11 Details from the annual manufacturing collection are published in *Manufacturing Industry, Australia* (Cat. no. 8221.0) and corresponding State publications.

SEASONALLY ADJUSTED AND TREND ESTIMATES

12 In the seasonal adjustment process, 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 quarter) which may, in successive years, affect figures for different quarters. Details of the methods used in seasonally adjusting these series are available on request.

13 Seasonal adjustment procedures do not aim to remove the irregular or non-seasonal influences which may be present in any particular quarter, such as the non-systematic effect of strikes, holiday shutdowns, providers' inconsistent reporting periods (where, for example, a 'quarter' may variously represent 13 or 14 weeks production), or other factors which vary with the prevailing demand for products. Irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after seasonal adjustment. Seasonally adjusted estimates of production for the series 20 Silver, 21 Copper, and 22 Lead are more volatile than other series. Seasonally adjusted estimates for 19 Zinc and 23 Tin are not sufficiently reliable to be published, while those for 12 Fuel Oil and 24 Gold do not exhibit sufficient seasonal behaviour to be published.

14 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 7-term Henderson moving average to the quarterly seasonally adjusted series. The 7-term Henderson averages (like all Henderson averages) are symmetric but, as the end of a time series is approached, asymmetric forms of the average are applied. Unlike the weights of the standard 7-term Henderson moving average, the surrogate weights employed with the quarterly data have been tailored to suit the particular characteristics of individual series.

15 While the asymmetric weights enable trend estimates for recent quarters to be produced, it does result in revisions to the trend estimates for the most recent quarters as additional observations become available. Generally, subsequent revisions become smaller and are negligible after two quarters. There will also be revisions as a result of changes to the original estimates and annual reviews of seasonal and 'working day' factors. Users should note that these factors have been reviewed in this issue for all series in Table 1.

16 More detailed up-to-date information on smoothing of seasonally adjusted time series data is available in unpublished form. Interested users should contact the ABS's Time Series Analysis section, on Canberra 02 6252 6345 or by email through the internet to timeseries@abs.gov.au.

ACKNOWLEDGEMENT

17 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PUBLICATIONS

- 18** Other ABS publications which may be of interest are:
- *Australian National Accounts: National Income, Expenditure and Product* (Cat. no. 5206.0) issued quarterly
 - *Business Indicators, Australia* (Cat. no. 5676.0) issued quarterly
 - *Electricity, Gas, Water and Sewerage Industries, Australia, 1999–2000* (Cat. no. 8208.0), released on 28 August 2001
 - *Experimental Estimates, Australian Industry, a State Perspective* (Cat. no. 8156.0) released on 21 March 2002
 - *Information Paper: Availability of Statistics Related to Manufacturing, 1997* (Cat. no. 8205.0), released on 16 January 1998
 - *Livestock and Meat, Australia* (Cat. no. 7218.0) issued monthly
 - *Livestock Products, Australia* (Cat. no. 7215.0) issued quarterly
 - *Manufacturing, Australia, 2001* (Cat. no. 8225.0) released on 8 March 2002
 - *Manufacturing Industry, Australia, 1999–2000* (Cat. no. 8221.0) released on 24 October 2001
 - *Manufacturing Industry, Australia, Preliminary, 2000–01* (Cat. no. 8201.0) released on 27 March 2002
 - *Mining Operations, Australia, 1999–2000* (Cat. no. 8415.0) released on 29 August 2001

OTHER PUBLISHED STATISTICS

19 Some annual manufacturing production series which mainly relate to textiles, clothing and footwear are published in this issue. Selected annual food series (which are now collected less frequently) were last published in the September quarter 2000 issue.

20 More detailed and other commodity items are collected by the ABS and are available to users on request and for a charge, as are monthly series for a limited number of the data items contained in this publication. Items for which additional production data are available are:

- beer
- cars and station wagons
- clay bricks (for structural purposes)
- clay bricks (for other than structural purposes)
- commercial office furniture
- concrete bricks, blocks and pavers
- cotton broadwoven fabric
- hosiery
- knitted sweatshirts and sloppy-joes
- knitted underwear
- malt
- man-made fibre broadwoven fabric
- men's and boys' long trousers
- men's and boys' shirts
- men's and boys' woven coats
- mowers
- other clothing (excluding those listed here)
- plasterboard
- Portland cement and cement clinkers
- ready mixed concrete

EXPLANATORY NOTES *continued*

ABS DATA AVAILABLE ON REQUEST *continued*

- roofing tiles
- semi-trailers
- synthetic fibre yarn
- textile floor coverings
- water heaters
- women's knitted briefs and panties
- women's shirts and blouses
- women's footwear
- wool broadwoven fabric
- wool yarn

For further information, please contact Merv Leaker on Adelaide 08 8237 7536.

21 The value of sales for commodities produced (classified in accordance with the Manufacturing Input-Output Commodity Classification) is collected in the annual manufacturing industry survey, and is available to users on request and for a charge. For further information, please contact John Ridley on Sydney 02 9268 4541.

CURRENT PUBLICATIONS

22 Current publications and other products produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists products to be released in the next few days. The Catalogue and Release Advice are available from any ABS office or by subscription, and can also be accessed through the ABS web site www.abs.gov.au.

APPENDIX CLARIFICATION OF TERMS

- 1 **Red meat** Includes veal, pork and buffalo.
- 2 **Chicken meat** Expressed in the dressed weight of whole birds, pieces and giblets.
- 3 **Cheese** Includes fresh cheeses such as ricotta, cottage, cream and quark.
- 4 **Butter** Includes direct butter oil.
- 5 **Beer** Includes ale, stout and porter; excludes low alcohol beer containing less than 1.15% but more than 0.5%, by volume of alcohol.
- 6 **Tobacco and cigarettes** Includes those containing tobacco substitutes.
- 7 **Newsprint** Excludes directory paper, mechanical and printing paper.
- 8 **Wood pulp** Expressed as air-dried weight.
- 9 **Undressed sawn timber** Expressed in terms of green off saw volumes.
- 10 **Hardwood woodchips** Expressed as greenweight; excludes chips which are not sold or are used in own works.
- 11 **Automotive gasoline** Produced by Australian refineries from imported and indigenous petroleum.
- 12 **Fuel oil** Oils derived from the distillation of petroleum which are generally used for domestic heating or fuelling furnaces; produced by Australian refineries from imported and indigenous petroleum.
- 13 **Aviation turbine fuel** Produced by Australian refineries from imported and indigenous petroleum.
- 14 **Automotive diesel oil** Produced by Australian refineries from imported and indigenous petroleum.
- 15 **Portland cement** Includes blended Portland cement. Excludes both Portland cement clinker and Portland cement used to make blended Portland cement in-house.
- 16 **Clay bricks** Saleable bricks (of all sizes) removed from kiln; excludes firebricks and bricks for other than structural purposes.
- 17 **Ready mixed concrete** Excludes production used or for use within the same business.
- 18 **Alumina** Aluminium oxide.
- 19 **Zinc** Primary origin only.
- 20 **Silver** Refined.
- 21 **Copper** Primary origin only.
- 22 **Lead** Includes lead content of lead from primary sources.
- 23 **Tin** Primary origin only.
- 24 **Gold** From primary and secondary sources.
- 25 **Electricity** Excludes purchases or transfers in of electricity.
- 26 **Gas** Gas (including natural gas) available for issue through mains, including gas production for distribution via natural gas pipelines which service a single user.

APPENDIX CLARIFICATION OF TERMS *continued*

A1 Scoured and carbonised wool	Includes scoured and carbonised wool used in further processing (e.g. for production of tops). Excludes scoured wool used for carbonising in the same establishment.
A2 Wool and man-made fibre tops	Tops of, or predominantly of, sheep's or lamb's wool or man-made fibres.
A3 Wool yarn	Of, or predominantly of, sheep's or lamb's wool. Excludes elastic or elastomeric.
A4 Cotton yarn	Of, or predominantly of, cotton, of weight less than 2,000 tex. Excludes sewing thread, elastic or elastomeric.
A5 Synthetic fibre yarn	Of, or predominantly of, synthetic fibre. Excludes artificial fibres (e.g. viscose, acetate), sewing thread, elastic or elastomeric.
A6 Wool broadwoven fabric	Of, or predominantly of, sheep's or lamb's wool or fine animal hair. Excludes elastic fabrics.
A7 Cotton broadwoven fabric	Of, or predominantly of, cotton. Excludes gauze and elastic fabrics.
A8 Man-made fibre broadwoven fabric	Of, or predominantly of, man-made fibres. Excludes elastic or tyre cord.
A9 Knitted or crocheted fabrics	Excludes tufted, elastic and elastomeric knitted or crocheted fabrics and parts knitted to shape for garments and other articles.
A10–A12 Textile floor coverings	Consists of carpets, carpeting (excluding underfelt), floor rugs, mats and matting of, or predominantly of, textile materials other than coir, sisal, or other hard fibres. Excludes products designed for automotive purposes.
A13 Men's complete suits	Chest measurement 86cm and over. Of woven fabric; with or without waistcoats. Includes six-way suits; excludes uniforms.
A14 Men's and boys' woven coats	All lengths, of woven fabric. Includes suit coats, sports coats, blazers, structured jackets and those for uniforms; excludes coats as part of 'complete suits', parkas, waterproof coats/jackets, dustcoats and shave coats.
A15 Men's and boys' long trousers	Excludes suit trousers if part of 'complete suits', jeans and waterproof type.
A16 Men's and boys' shorts	Excludes swimshorts and boardshorts designed for swimwear.
A17 Men's and boys' shirts	Excludes sweatshirts and nightshirts.
A18 Women's and girls' woven coats, blazers and jackets	Excludes dustcoats, housecoats, parkas, other waterproof coats/jackets, and those which are part of complete suits or ensembles.
A19 Women's and girls' long trousers	Includes overalls and slacks; excludes suit trousers if part of complete suits or ensembles, jeans and waterproof type.
A20 Women's shirts and blouses	Includes T-shirts and tank tops; excludes sweatshirts and workshirts.
A21–A22 Knitted cardigans, jumpers, sweatshirts and sloppy-joes	Includes those of crocheted fabric. Includes sweaters, pullovers, twin sets, Rugby-style jumpers; excludes jackets for tracksuits, sweatsuits, jogging suits and leisure suits.
A23 Sleepwear	All sizes; of woven, knitted, or crocheted fabric.

APPENDIX CLARIFICATION OF TERMS *continued*

A24 Knitted underwear	Includes crocheted. Excludes men's and boys' singlets, and all fashion singlets and T-shirts.
A25 Brassieres	Short and other.
A26 Men's and boys' swimwear	Knitted or woven. Includes boardshorts designed for swimwear.
A27 Women's and girls' swimwear	Knitted or woven.
A28 Long jeans	All sizes.
A29 Knitted complete tracksuits	Knitted or crocheted. Includes sweatsuits, jogging suits, leisure suits and jump suits.
A30 Pantyhose and tights	Excludes leotards and body stockings. Production figures for periods prior to December quarter 1997 exclude pantyhose and tights of 4.4 tex or greater.
A31–A33 Knitted hosiery	Includes crocheted.
A34–A36 Footwear	Includes sheepskin and furskin products; excludes thongs, waterproof footwear (of rubber or plastic) and sports footwear. Men's and women's footwear each comprises size 2 second size range and above; children's footwear comprises sizes below size 2 second size range.
A37 Paperboard containers	Includes corrugated paperboard and paperboard containers.
A38 Superphosphates	Expressed in terms of single super phosphate (9% P equivalent).

FOR MORE INFORMATION...

- INTERNET* **www.abs.gov.au** the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.
- LIBRARY* A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require, or visit our web site for a list of libraries.
- CPI INFOLINE* For current and historical Consumer Price Index data, call 1902 981 074 (call cost 77c per minute).
- DIAL-A-STATISTIC* For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 77c per minute).

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2830100009027
ISSN 1323-3645

RRP \$18.00