



MANUFACTURING PRODUCTION

AUSTRALIA

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- For further information about these and related statistics, contact Denis Linney on Sydney 02 9268 4219 or the National Information and Referral Service on 1300 135 070.

NOTES

FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
December quarter 2001	11 February 2002
March quarter 2002	10 May 2002
June quarter 2002	9 August 2002

IN THIS ISSUE

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

From this issue, series have been renumbered, and the previously published quarterly series 18 basic iron, spiegeleisen and sponge iron and 19 blooms and slabs of iron or steel have been discontinued.

This issue includes all quarterly and annual data items (apart from the two mentioned above) published in the previous issue. Further summary data, related to clothing and hosiery, are included in this issue as annual series. 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
DISR	Department of Industry, Science and Resources
n.a.	not available
n.p.	not publishable
n.y.a.	not yet available
p	preliminary
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	1999..... 2000..... 2001.....								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	753	752	746	780	r791	r784	r763	r792	779	-1.6	-1.5
	Seasonally adjusted	749	748	758	777	785	781	775	789	774	-1.9	-1.4
	Trend	745	749	759	771	779	782	781	780	780	-0.1	0.2
2	Chicken meat ('000 tonnes)											
	Original	142	r153	150	r152	152	r162	r151	155	156	0.8	2.3
	Seasonally adjusted	144	148	150	154	155	157	151	157	159	1.3	2.6
	Trend	145	148	151	154	155	155	155	156	158	1.2	1.6
3	Cheese (tonnes)											
	Original	79 409	116 390	98 737	74 887	r76 643	r114 729	r91 208	73 242	n.y.a.	-19.7	-2.2
	Seasonally adjusted	92 655	87 041	95 571	96 530	89 578	85 980	88 308	94 009	n.y.a.	6.5	-2.6
	Trend	88 931	91 949	93 943	93 740	90 730	88 105	88 921	91 542	n.y.a.	2.9	-2.3
4	Butter (tonnes)											
	Original	r37 513	64 859	39 831	28 020	36 525	56 685	r36 983	28 228	n.y.a.	-23.7	0.7
	Seasonally adjusted	43 673	42 549	40 971	43 337	42 349	37 333	38 139	43 291	n.y.a.	13.5	-0.1
	Trend	44 622	42 549	42 192	42 239	40 771	39 370	39 378	40 773	n.y.a.	3.5	-3.5
5	Beer (megalitres)											
	Original	424	521	421	402	414	500	451	380	416	9.5	0.6
	Seasonally adjusted	455	442	420	449	440	429	451	426	448	5.2	1.7
	Trend	441	439	437	436	440	439	437	439	441	0.4	0.2
6	Tobacco and cigarettes (tonnes)											
	Original	5 142	5 517	5 169	4 860	5 185	4 763	4 217	4 959	5 196	4.8	0.2
	Seasonally adjusted	4 760	5 684	5 547	4 745	4 836	4 892	4 592	4 851	4 772	-1.6	-1.3
	Trend	5 279	5 346	5 319	5 079	4 802	4 745	4 762	4 756	4 774	0.4	-0.6
7	Newsprint ('000 tonnes)											
	Original	92	95	98	96	100	97	100	94	95	0.7	-5.9
	Seasonally adjusted	90	97	96	97	99	100	100	95	93	-2.0	-6.6
	Trend	95	95	96	98	99	100	98	96	94	-2.0	-5.3
8	Wood pulp ('000 tonnes)											
	Original	212	212	221	216	226	227	220	r222	198	-11.1	-12.5
	Seasonally adjusted	214	210	222	215	228	225	221	221	199	-10.0	-12.6
	Trend	212	214	217	221	224	226	222	215	208	-3.2	-7.1
9	Undressed sawn timber ('000 m ³)											
	Original r	1 031	938	996	1 018	1 019	852	802	987	n.y.a.	23.1	-3.1
	Seasonally adjusted	972	981	1 028	1 002	962	893	824	974	n.y.a.	18.2	-2.8
	Trend	956	993	1 015	1 003	948	898	887	907	n.y.a.	2.2	-9.6
10	Hardwood woodchips ('000 tonnes)											
	Original	1 500	1 469	1 524	1 671	1 717	1 674	1 434	r1 576	1 440	-8.7	-16.1
	Seasonally adjusted	1 471	1 502	1 576	1 614	1 684	1 712	1 483	1 524	1 412	-7.3	-16.1
	Trend	1 424	1 514	1 575	1 639	1 674	1 645	1 566	1 485	1 420	-4.4	-15.2
11	Automotive gasoline (megalitres)											
	Original	4 903	4 713	4 429	4 607	4 524	4 398	4 321	4 644	n.y.a.	7.5	0.8
	Seasonally adjusted	4 898	4 777	4 510	4 477	4 487	4 441	4 475	4 512	n.y.a.	0.8	0.8
	Trend	4 848	4 736	4 587	4 480	4 453	4 464	4 476	4 493	n.y.a.	0.4	0.3
12	Fuel oil (megalitres)											
	Original	350	486	539	464	475	527	505	444	n.y.a.	-12.1	-4.2
	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	407	456	494	505	494	492	491	485	n.y.a.	-1.2	-4.1
13	Aviation turbine fuel (megalitres)											
	Original	1 350	1 419	1 393	1 376	1 418	1 463	1 509	1 446	n.y.a.	-4.2	5.1
	Seasonally adjusted	1 343	1 383	1 374	1 438	1 411	1 428	1 493	1 503	n.y.a.	0.7	4.5
	Trend	1 354	1 375	1 394	1 410	1 423	1 446	1 474	1 500	n.y.a.	1.7	6.4
14	Automotive diesel oil (megalitres)											
	Original	3 287	3 404	3 025	3 021	3 052	3 471	3 288	3 401	n.y.a.	3.4	12.5
	Seasonally adjusted	3 390	3 219	3 053	3 016	3 162	3 315	3 372	3 394	n.y.a.	0.7	12.5
	Trend	3 341	3 220	3 082	3 056	3 153	3 281	3 366	3 399	n.y.a.	1.0	11.2

(a) Users should note that 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.

No.	Item and unit/Series	1999..... 2000..... 2001.....									Percentage changes between latest quarter shown and....		
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	prev. quarter	same quarter prev. year	
		<hr/>											
15	Portland cement ('000 tonnes)												
	Original	2 005	2 027	1 835	2 070	1 898	1 652	1 554	1 717	1 679	-2.2	-11.5	
	Seasonally adjusted	1 924	1 959	1 996	2 027	1 826	1 623	1 693	1 681	1 628	-3.1	-10.8	
	Trend(b)	1 921	1 964	2 015	1 993	1 879	1 744	1 671	1 653	1 656	0.2	-11.9	
16	Clay bricks (million)												
	Original	437	425	423	450	420	382	298	348	367	5.4	-12.6	
	Seasonally adjusted	409	427	458	440	396	385	325	341	344	0.9	-13.1	
	Trend(b)	414	431	446	443	415	375	348	336	334	-0.6	-19.4	
17	Ready mixed concrete ('000 m ³)												
	Original r	5 187	5 217	4 880	5 349	4 679	4 188	3 932	4 452	4 881	9.6	4.3	
	Seasonally adjusted	4 920	5 159	5 262	5 305	4 441	4 145	4 238	4 412	4 635	5.1	4.4	
	Trend(b)	4 877	5 148	5 304	5 157	4 758	4 359	4 260	4 388	4 584	4.5	-3.7	
18	Alumina ('000 tonnes)												
	Original	3 707	3 702	3 710	3 918	4 004	4 049	r3 950	4 096	n.y.a.	3.7	4.5	
	Seasonally adjusted	3 655	3 702	3 776	3 890	3 940	4 037	4 053	4 067	n.y.a.	0.3	4.5	
	Trend	3 645	3 704	3 787	3 873	3 957	4 015	4 053	4 075	n.y.a.	0.5	5.2	
19	Zinc ('000 tonnes)												
	Original	90	90	112	112	139	130	127	137	n.y.a.	7.9	22.3	
	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	88	89	114	120	127	132	134	133	n.y.a.	-0.2	11.4	
20	Silver (tonnes)												
	Original	134	129	131	149	110	148	140	134	n.y.a.	-4.3	-10.1	
	Seasonally adjusted	136	129	137	141	111	148	147	128	n.y.a.	-12.9	-9.6	
	Trend	133	136	134	131	132	136	140	139	n.y.a.	-0.1	6.6	
21	Copper ('000 tonnes)												
	Original	119	117	114	126	117	130	r136	138	n.y.a.	1.5	9.5	
	Seasonally adjusted	115	122	121	119	114	135	143	131	n.y.a.	-8.7	10.0	
	Trend	112	121	120	118	122	130	136	139	n.y.a.	1.6	17.8	
22	Lead ('000 tonnes)												
	Original	65	60	55	55	51	63	54	47	n.y.a.	-13.0	-14.5	
	Seasonally adjusted	67	60	54	54	52	63	53	46	n.y.a.	-13.0	-14.3	
	Trend	64	61	56	54	56	57	54	50	n.y.a.	-7.5	-6.9	
23	Tin (tonnes)												
	Original	140	125	155	180	215	225	250	230	n.y.a.	-8.0	27.8	
	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	142	140	150	176	213	235	237	229	n.y.a.	-3.3	30.0	
24	Gold (tonnes)												
	Original	78	115	88	101	78	82	92	108	n.y.a.	17.4	6.9	
	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(c)	89	94	96	91	85	85	91	99	n.y.a.	8.7	8.3	
25	Electricity (million kWh)												
	Original	46 785	44 591	46 040	47 374	49 387	45 977	46 865	46 317	47 412	2.4	-4.0	
	Seasonally adjusted	45 049	45 697	46 544	47 207	47 397	47 196	47 867	46 157	45 582	-1.2	-3.8	
	Trend	45 232	45 748	46 501	47 067	47 433	47 525	47 165	46 505	45 716	-1.7	-3.6	
26	Gas (petajoules)												
	Original	198	165	164	199	213	r173	r177	r205	218	6.5	2.3	
	Seasonally adjusted	173	178	189	187	187	186	203	193	191	-0.9	2.4	
	Trend	174	180	186	187	188	191	195	195	194	-0.8	3.1	

(a) Users should note that 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 an abnormal movement in the original series for September quarter 2000, the trend has been modified to remove the effect. See also paragraphs 14–16 of the Explanatory Notes.

(c) Due to an abnormal movement in the original series for December quarter 1999, the trend has been modified to remove the effect. See also paragraphs 14–16 of the Explanatory Notes.

No.	Item and unit	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	Percentage change between latest year shown and prev. year
Yarns and textiles								
A1	Scoured and carbonised wool (tonnes)	158 268	165 268	165 104	129 753	118 558	124 679	5.2
A2	Wool and man-made fibre tops (tonnes)	54 282	57 645	60 084	53 162	55 335	61 315	10.8
A3	Wool yarn (tonnes)	20 073	18 285	18 077	17 668	19 020	14 894	-21.7
A4	Cotton yarn (tonnes)	36 955	39 853	36 897	36 814	33 368	33 203	-0.5
A5	Synthetic fibre yarn (tonnes)	10 020	12 547	12 913	10 311	11 148	9 080	-18.5
A6	Wool broadwoven fabric ('000 m ²)	6 523	6 300	6 636	6 254	5 427	4 013	-26.1
A7	Cotton broadwoven fabric ('000 m ²)	63 886	60 617	62 088	55 824	47 230	39 305	-16.8
A8	Man-made fibre broadwoven fabric ('000 m ²)	149 344	142 194	135 768	136 886	r132 847	88 294	-33.5
A9	Knitted or crocheted fabrics (tonnes)	18 653	16 117	13 019	(b)14 004	14 135	14 946	5.7
Textile floor coverings-								
A10	Of tufted wool or fine animal hair ('000 m ²)	10 880	11 610	11 709	13 286	14 894	r12 732	-14.5
A11	Of other tufted textile material ('000 m ²)	29 185	30 483	31 241	30 261	29 993	r29 326	-2.2
A12	Other ('000 m ²)	2 159	1 888	1 544	1 595	1 515	r1 433	-5.4
Clothing ('000)								
A13	Men's complete suits	190	200	175	139	138	98	-29.2
A14	Men's and boys' woven coats	537	499	473	367	328	338	2.9
A15	Men's and boys' long trousers	3 476	3 283	3 082	2 792	r2 287	1 911	-16.5
A16	Men's and boys' shorts	2 425	1 933	1 646	1 517	r1 128	941	-16.5
A17	Men's and boys' shirts	10 290	9 620	8 761	8 587	8 024	4 866	-39.4
A18	Women's and girls' woven coats, blazers and jackets	488	506	410	469	328	235	-28.3
A19	Women's and girls' long trousers	1 272	1 570	1 044	991	859	500	-41.8
A20	Women's shirts and blouses	3 704	5 007	4 144	3 697	3 387	3 870	14.2
A21	Men's and boys' knitted cardigans, jumpers, sweatshirts and sloppy-joes	2 339	2 001	1 523	1 493	1 170	924	-21.1
A22	Women's and girls' knitted cardigans, jumpers, sweatshirts and sloppy-joes	1 849	1 762	1 671	1 520	1 086	1 042	-4.0
A23	Sleepwear	n.p.	n.p.	2 654	2 222	2 195	1 000	-54.5
A24	Knitted underwear (excl. men's and boys' singlets)	28 502	22 064	17 432	15 211	r13 754	n.p.	n.p.
A25	Brassieres	5 865	5 462	4 434	n.p.	r1 753	1 299	-25.9
A26	Men's and boys' swimwear	n.p.	605	613	656	550	136	-75.3
A27	Women's and girls' swimwear	2 462	2 223	1 619	r1 777	r1 861	2 204	18.4
A28	Long jeans	3 299	2 949	2 936	2 605	1 832	935	-48.9
A29	Knitted complete tracksuits	374	300	243	258	54	90	67.1
Hosiery ('000 pairs)								
A30	Pantyhose and tights	66 949	55 418	(a)48 268	43 030	37 872	n.p.	n.p.
A31	Women's knitted other hosiery	n.a.	n.a.	19 847	19 000	19 119	16 379	-14.3
A32	Men's knitted hosiery	24 290	24 230	24 330	24 159	23 507	19 851	-15.6
A33	Children's knitted hosiery	8 862	9 939	10 160	8 993	7 854	6 669	-15.1
Footwear ('000 pairs)								
A34	Men's	5 361	4 687	4 558	4 254	3 722	3 200	-14.0
A35	Women's	7 682	7 197	6 947	6 249	5 807	4 871	-16.1
A36	Children's	1 314	1 272	862	735	169	58	-65.8
Other ('000 tonnes)								
A37	Paperboard containers	1 091	1 138	1 177	1 285	1 385	1 395	0.8
A38	Superphosphates	1 697	1 511	1 819	1 464	1 429	1 379	-3.5

(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, Science and Resources (DISR), 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 DISR Petroleum and Fisheries 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 *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 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 estimates for the most recent quarters as additional observations become available. Generally, subsequent revisions become smaller and after two quarters have little impact on the series. 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
 - *Electricity, Gas, Water and Sewerage Industries, Australia, 1999–2000* (Cat. no. 8208.0), released on 28 August 2001
 - *Information Paper: Availability of Statistics Related to Manufacturing, 1997* (Cat. no. 8205.0), released on 16 January 1998
 - *Inventories and Sales, Selected Industries, Australia* (Cat. no. 5629.0) issued quarterly
 - *Livestock and Meat, Australia* (Cat. no. 7218.0) issued monthly
 - *Livestock Products, Australia* (Cat. no. 7215.0) issued quarterly
 - *Manufacturing, Australia, 2000* (Cat. no. 8225.0) released on 22 December 2000
 - *Manufacturing Industry, Australia, 1999–2000* (Cat. no. 8221.0) released on 24 October 2001
 - *Manufacturing Industry, Australia, Preliminary, 2000–01* (Cat. no. 8201.0) to be released in March 2002
 - *Mining Operations, Australia* (Cat. no. 8415.0) issued annually

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.

ABS DATA AVAILABLE ON REQUEST

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)
- 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
- roofing tiles
- semi-trailers
- space heaters

EXPLANATORY NOTES *continued*

ABS DATA AVAILABLE ON REQUEST *continued*

- starches, wheat gluten and glucose products
- synthetic fibre yarn
- textile floor coverings
- unlaminated particle board
- 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 Denis Linney on Sydney 02 9268 4219.

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 and stout; 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).

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- 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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