



# **MANUFACTURING PRODUCTION**

AUSTRALIA

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 EMBARGO: 11:30AM (CANBERRA TIME) FRI 11 AUG 2000

## **C O N T E N T S**

	<i>Page</i>
Notes .....	2
<b>TABLES</b>	
<b>1</b> Quarterly commodity production .....	3
<b>2</b> Annual commodity production .....	5
<b>ADDITIONAL INFORMATION</b>	
Explanatory notes .....	6
Appendix: Clarification of terms .....	10

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

## NOTES

### FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
September quarter 2000	10 November 2000
December quarter 2000	9 February 2001
March quarter 2001	11 May 2001

### IN THIS ISSUE

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

This issue includes those quarterly data items published in the previous issue. Additionally, summary data mainly related to yarns, textiles and footwear, are included in this issue as annual series. See also paragraph 19 of the Explanatory Notes on page 8.

More detailed and other commodity items are collected by the Australian Bureau of Statistics (ABS) and are available to users as a special data service, as are monthly series for a limited number of the data items contained in this publication. 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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## 1

## QUARTERLY COMMODITY PRODUCTION: All series(a)

No.	Item and unit/Series										Percentage changes between latest quarter shown and....			
		1998.....			1999.....			2000.....			prev.	same		
		Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	quarter	quarter		
											prev. year	prev. year		
<b>1</b>	<b>Red meat</b> ('000 tonnes)													
	Original	737	752	760	742	740	748	743	736	773	5.0	4.4		
	Seasonally adjusted	728	754	756	754	731	752	739	747	764	2.3	4.5		
	Trend	737	749	753	750	744	741	744	751	756	0.7	1.6		
<b>2</b>	<b>Chicken meat</b> ('000 tonnes)													
	Original	139	143	142	141	139	142	151	r150	149	-0.7	7.5		
	Seasonally adjusted	141	142	139	143	141	141	148	r152	152	-0.5	7.4		
	Trend	141	141	141	141	141	143	147	151	153	1.7	8.6		
<b>3</b>	<b>Cheese</b> (tonnes)													
	Original r	56 203	60 452	109 952	82 893	66 220	74 672	111 662	94 819	n.y.a.	-15.1	14.4		
	Seasonally adjusted r	75 640	70 121	80 491	80 693	88 645	86 689	81 852	92 295	n.y.a.	12.8	14.4		
	Trend	74 489	74 547	77 520	82 929	85 730	85 958	86 727	87 961	n.y.a.	1.4	6.1		
<b>4</b>	<b>Butter</b> (tonnes)													
	Original	24 632	35 532	64 426	45 358	30 353	38 016	66 838	41 535	n.y.a.	-37.9	-8.4		
	Seasonally adjusted	40 349	43 919	40 965	45 056	49 612	46 875	42 538	41 294	n.y.a.	-2.9	-8.3		
	Trend	40 788	41 686	43 257	45 657	47 370	46 509	43 786	41 199	n.y.a.	-5.9	-9.8		
<b>5</b>	<b>Beer</b> (megalitres)													
	Original	397	403	517	430	379	424	521	409	390	-4.8	2.8		
	Seasonally adjusted	438	433	438	436	419	461	439	412	431	4.7	2.9		
	Trend	437	437	433	433	438	441	436	428	422	-1.4	-3.7		
<b>6</b>	<b>Tobacco and cigarettes</b> (tonnes)													
	Original	5 809	5 904	4 555	5 198	5 388	5 142	5 517	5 169	4 860	-6.0	-9.8		
	Seasonally adjusted	5 666	5 221	4 745	5 815	5 239	4 635	5 694	5 759	4 717	-18.1	-10.0		
	Trend	5 447	5 287	5 238	5 243	5 199	5 247	5 348	5 398	5 243	-2.9	0.8		
<b>7</b>	<b>Newsprint</b> ('000 tonnes)													
	Original	102	105	100	95	100	92	95	98	96	-1.1	-3.2		
	Seasonally adjusted	100	103	102	96	98	90	98	96	95	-1.1	-3.2		
	Trend	101	102	101	98	95	95	95	96	96	0.3	1.0		
<b>8</b>	<b>Wood pulp</b> ('000 tonnes)													
	Original	240	225	223	209	214	212	212	221	216	-2.1	0.9		
	Seasonally adjusted	235	230	221	211	210	217	210	223	212	-5.0	0.9		
	Trend	235	228	220	214	211	213	215	216	216	-0.3	2.1		
<b>9</b>	<b>Undressed sawn timber</b> ('000 m <sup>3</sup> )													
	Original	935	927	876	886	913	r1 032	r935	947	n.y.a.	1.3	6.9		
	Seasonally adjusted	921	870	907	930	898	r968	r969	994	n.y.a.	2.6	6.9		
	Trend	910	898	898	911	929	949	973	998	n.y.a.	2.5	9.5		
<b>10</b>	<b>Hardwood woodchips</b> ('000 tonnes)													
	Original	1 473	1 233	1 125	1 179	1 319	1 500	1 469	1 524	1 671	9.6	26.7		
	Seasonally adjusted	1 417	1 218	1 158	1 209	1 263	1 483	1 513	1 563	1 596	2.1	26.3		
	Trend	1 370	1 260	1 175	1 196	1 306	1 429	1 516	1 567	1 593	1.6	22.0		
<b>11</b>	<b>Automotive gasoline</b> (megalitres)													
	Original	4 795	4 632	4 455	4 679	4 939	4 903	4 713	4 429	n.y.a.	-6.0	-5.3		
	Seasonally adjusted	4 674	4 542	4 586	4 718	4 808	4 923	4 793	4 466	n.y.a.	-6.8	-5.3		
	Trend	4 609	4 577	4 611	4 705	4 837	4 845	4 742	4 611	n.y.a.	-2.8	-2.0		
<b>12</b>	<b>Fuel oil</b> (megalitres)													
	Original	385	422	429	377	407	350	486	539	n.y.a.	10.8	42.9		
	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	401	408	417	398	376	404	468	524	n.y.a.	12.0	31.5		
<b>13</b>	<b>Aviation turbine fuel</b> (megalitres)													
	Original	1 235	1 330	1 315	1 288	1 286	1 350	1 419	1 393	n.y.a.	-1.9	8.2		
	Seasonally adjusted	1 339	1 323	1 263	1 246	1 398	1 344	1 364	1 346	n.y.a.	-1.3	8.0		
	Trend	1 343	1 309	1 271	1 261	1 289	1 331	1 354	1 358	n.y.a.	0.3	7.7		
<b>14</b>	<b>Automotive diesel oil</b> (megalitres)													
	Original	3 282	3 059	3 324	3 194	3 391	3 287	3 404	3 024	n.y.a.	-11.1	-5.3		
	Seasonally adjusted	3 246	3 130	3 257	3 239	3 353	3 373	3 273	3 043	n.y.a.	-7.0	-6.0		
	Trend	3 258	3 198	3 206	3 277	3 347	3 329	3 243	3 139	n.y.a.	-3.2	-4.2		

(a) Trend estimates shown may have been revised. See paragraph 15 of the Explanatory Notes.

No.	Item and unit/Series										Percentage changes between latest quarter shown and....			
		1998.....			1999.....			2000.....			prev. quarter	same quarter prev. year		
		Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun				
<b>15</b>	<b>Portland cement</b> ('000 tonnes)													
	Original	1 861	1 956	2 067	1 737	1 944	2 005	2 027	1 835	2 070	12.9	6.5		
	Seasonally adjusted	1 835	1 886	2 005	1 911	1 915	1 923	1 950	1 996	2 039	2.1	6.4		
	Trend	1 870	1 911	1 940	1 941	1 920	1 920	1 956	1 994	2 031	1.9	5.8		
<b>16</b>	<b>Clay bricks</b> (million)													
	Original	394	412	391	383	408	437	425	423	450	6.3	10.4		
	Seasonally adjusted	382	388	388	430	395	409	422	469	436	-7.1	10.4		
	Trend	379	388	400	407	406	413	429	446	454	1.8	11.6		
<b>17</b>	<b>Ready mixed concrete</b> ('000 m <sup>3</sup> )													
	Original	4 477	4 889	4 850	4 251	4 611	5 187	r5 217	r4 977	5 467	9.8	18.6		
	Seasonally adjusted	4 495	4 654	4 729	4 579	4 632	4 938	r5 086	r5 360	5 493	2.5	18.6		
	Trend	4 606	4 647	4 637	4 639	4 695	4 875	5 116	5 325	5 489	3.1	16.9		
<b>18</b>	<b>Basic iron, spiegeleisen and sponge iron</b> ('000 tonnes)													
	Original	1 987	1 951	1 834	1 841	1 827	1 972	1 507	1 503	1 507	0.2	-17.5		
	Seasonally adjusted	1 987	1 898	1 862	1 864	1 825	1 937	1 525	1 515	1 504	-0.7	-17.6		
	Trend(b)	1 969	1 913	1 866	1 850	1 868	1 889	1 532	1 520	1 501	-1.3	-19.6		
<b>19</b>	<b>Blooms and slabs of iron or steel</b> ( '000 tonnes)													
	Original	2 090	2 024	1 890	1 864	1 900	2 056	1 505	1 577	1 604	1.7	-15.6		
	Seasonally adjusted	2 098	1 969	1 910	1 889	1 906	1 999	1 523	1 598	1 608	0.7	-15.6		
	Trend(b)	2 068	1 990	1 915	1 896	1 919	1 953	1 558	1 582	1 602	1.3	-16.5		
<b>20</b>	<b>Alumina</b> ('000 tonnes)													
	Original	3 449	3 532	3 553	3 522	3 601	3 707	3 702	3 710	n.y.a.	0.2	5.3		
	Seasonally adjusted	3 429	3 516	3 539	3 608	3 579	3 659	3 717	3 753	n.y.a.	1.0	4.0		
	Trend	3 435	3 497	3 552	3 581	3 610	3 655	3 707	3 753	n.y.a.	1.2	4.8		
<b>21</b>	<b>Zinc</b> ('000 tonnes)													
	Original	79	81	78	79	85	90	r90	112	n.y.a.	24.4	41.8		
	Seasonally adjusted	78	80	78	82	84	89	r90	116	n.y.a.	29.4	41.8		
	Trend	78	78	79	81	83	88	97	105	n.y.a.	8.4	29.5		
<b>22</b>	<b>Silver</b> (tonnes)													
	Original	69	101	100	96	113	134	129	131	n.y.a.	1.6	36.5		
	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	71	91	101	105	112	125	136	141	n.y.a.	4.1	35.0		
<b>23</b>	<b>Copper</b> ('000 tonnes)													
	Original	80	61	73	77	102	r121	119	116	n.y.a.	-2.5	50.6		
	Seasonally adjusted	72	59	76	86	92	r117	124	129	n.y.a.	4.6	50.7		
	Trend	69	68	72	84	98	112	123	132	n.y.a.	6.9	57.7		
<b>24</b>	<b>Lead</b> ('000 tonnes)													
	Original	43	39	45	53	62	65	60	55	n.y.a.	-8.3	3.8		
	Seasonally adjusted	40	42	46	52	58	70	61	54	n.y.a.	-11.6	3.6		
	Trend	42	42	45	53	61	64	62	58	n.y.a.	-6.5	10.0		
<b>25</b>	<b>Tin</b> (tonnes)													
	Original	205	150	125	170	150	140	125	155	n.y.a.	24.0	-8.8		
	Seasonally adjusted	185	162	142	161	130	152	142	146	n.y.a.	2.2	-9.6		
	Trend	171	166	153	145	144	144	144	146	n.y.a.	1.4	0.6		
<b>26</b>	<b>Gold</b> (tonnes)													
	Original	89	131	106	96	86	78	115	88	n.y.a.	-23.5	-8.3		
	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(c)	88	93	98	94	89	89	92	95	n.y.a.	2.4	0.5		
<b>27</b>	<b>Electricity</b> (million kWh)													
	Original	44 281	46 084	43 235	45 084	45 227	46 785	44 591	46 040	47 374	2.9	4.7		
	Seasonally adjusted	44 113	44 023	44 412	46 190	45 062	44 709	45 803	47 159	47 204	0.1	4.8		
	Trend	44 096	44 228	44 828	45 267	45 233	45 236	45 812	46 716	47 508	1.7	5.0		
<b>28</b>	<b>Gas</b> (petajoules)(d)													
	Original	174	191	157	145	182	r198	r165	r164	199	21.2	9.3		
	Seasonally adjusted	164	165	169	170	171	r171	r178	r193	187	-2.7	9.3		
	Trend	165	166	168	170	170	174	180	186	192	2.8	12.4		

(a) Trend estimates shown may have been revised. See paragraph 15 of the Explanatory Notes.

(b) 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.

(c) Due to abnormal movements in September quarter 1998 and December quarter 1999 in the production of gold, the trend has been modified to remove their effect. See also paragraphs 14–16 of the Explanatory Notes.

(d) From September quarter 1999, there has been an improvement in coverage. For further details, see Gas on page 11.

No.	Item and unit	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	Percentage change between latest year shown and prev. year
<b>Yarns and textiles</b>								
A1	Scoured and carbonised wool (tonnes)	165 247	158 268	165 268	165 104	129 753	107 608	-17.1
A2	Wool and man-made fibre tops (tonnes)	n.p.	54 282	57 645	60 084	53 162	55 335	4.1
A3	Wool yarn (tonnes)	23 093	20 073	18 285	18 077	17 668	19 020	7.7
A4	Cotton yarn (tonnes)	37 643	36 955	39 853	36 897	36 814	33 368	-9.4
A5	Synthetic fibre yarn (tonnes)	11 076	10 020	12 547	12 913	10 311	11 148	8.1
A6	Wool broadwoven fabric ('000 m <sup>2</sup> )	8 189	6 523	6 300	6 636	6 254	5 427	-13.2
A7	Cotton broadwoven fabric ('000 m <sup>2</sup> )	51 865	63 886	60 617	62 088	55 824	47 230	-15.4
A8	Man-made fibre broadwoven fabric ('000 m <sup>2</sup> )	185 171	149 344	142 194	135 768	136 886	130 461	-4.1
A9	Knitted or crocheted fabrics (tonnes)	n.p.	18 653	16 117	13 019	(b)14 004	14 135	0.9
Textile floor coverings-								
A10	Of tufted wool or fine animal hair ('000 m <sup>2</sup> )	12 916	10 880	11 610	11 709	13 286	14 894	12.1
A11	Of other tufted textile material ('000 m <sup>2</sup> )	31 606	29 185	30 483	31 241	r30 261	29 993	-0.9
A12	Other ('000 m <sup>2</sup> )	2 736	2 159	1 888	1 544	1 595	1 515	-5.0
<b>Footwear</b>								
A13	Men's ('000 pairs)	5 167	5 361	4 687	4 558	4 254	3 722	-12.5
A14	Women's ('000 pairs)	7 992	7 682	7 197	6 947	6 249	5 737	-8.2
A15	Children's ('000 pairs)	1 556	1 314	1 272	862	735	169	-77.0
<b>Other</b>								
A16	Paperboard containers ('000 tonnes)	1 072	1 091	1 138	1 177	1 285	p1 338	p4.1
A17	Superphosphates ('000 tonnes)	1 590	1 697	1 511	1 819	1 464	1 429	-2.4

(a) Refer to the Clarification of terms from page 10 for important definitional information. Clothing, hosiery and food items A18-A61 are to be included in Table 2 of the September quarter 2000 issue of this publication.

(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

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## 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-quarter 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 stocks 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 21 Zinc, 23 Copper and 25 Tin are more volatile than other series. Seasonally adjusted estimates for 12 Fuel oil and 22 Silver are not sufficiently reliable to be published, while those for 26 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.

**16** Users may wish to refer to the ABS's *Information Paper: A Guide to Interpreting Time Series — Monitoring 'Trends', an Overview* (Cat. no. 1348.0) for more detailed information on smoothing of seasonally adjusted time series data.

## 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 Mining Industry* (Cat. no. 8414.0) issued biennially
  - *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, 1999* (Cat. no. 8225.0) released on 16 December 1999
  - *Manufacturing Industry, Australia, 1998–99* (Cat. no. 8221.0) to be released on 22 September 2000
  - *Manufacturing Industry, Australia, Preliminary, 1998–99* (Cat. no. 8201.0) released on 30 March 2000
  - *Manufacturing Production, Australia: Commodities Produced, 1997–98* (Cat. no. 8365.0) released on 16 December 1999
  - *Mining Operations* (Cat. no. 8415.0) issued biennially

## OTHER PUBLISHED STATISTICS

**19** Some annual manufacturing production series which mainly relate to textiles, clothing, footwear and food are published in the June and September quarter issues of this publication. Those annual series not included in this issue are to be published in the September quarter 2000 issue.

## UNPUBLISHED STATISTICS

**20** More detailed and other commodity items are collected by the ABS and are available to users as a special data service, 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:

audio and non-audio compact discs  
 beer  
 cars and station wagons  
 clay bricks  
 concrete bricks, blocks and pavers  
 cotton broadwoven fabric  
 cotton yarn  
 gas  
 hosiery  
 knitted sweatshirts and sloppy-joes  
 knitted underwear  
 malt  
 man-made fibre broadwoven fabric  
 men's and boys' long trousers and shorts  
 men's and boys' shirts  
 men's complete suits and men's and boys' woven coats  
 mowers  
 other clothing (excluding those listed here)  
 plasterboard  
 Portland cement and cement clinkers  
 ready mixed concrete  
 roofing tiles  
 space heaters  
 starches, wheat gluten and glucose  
 synthetic fibre yarn



## EXPLANATORY NOTES *continued*

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### UNPUBLISHED STATISTICS *continued*

textile floor coverings  
unlaminated particle board  
water heaters  
women's shirts and blouses  
wool broadwoven fabric  
wool yarn

For further information, please contact Joanne Madden on Sydney 02 9268 4219 or by email through the Internet to [jo.madden@abs.gov.au](mailto:jo.madden@abs.gov.au).

### CURRENT PUBLICATIONS

**21** 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](http://www.abs.gov.au).

## APPENDIX CLARIFICATION OF TERMS

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|---|---|
| 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 Basic iron, spiegeleisen and sponge iron | In pigs, blocks and other primary forms; includes pig iron. This item comprises production of BHP Steel only.   |
| 19 Blooms and slabs of iron or steel        | Continuous cast; includes steel in the molten state. This item comprises production of BHP Steel only.  |
| 20 Alumina                                  | Aluminium oxide.  |
| 21 Zinc                                     | Primary origin only.  |
| 22 Silver                                   | Refined.  |
| 23 Copper                                   | Primary origin only.  |

## APPENDIX CLARIFICATION OF TERMS *continued*



24	<b>Lead</b>	Includes lead content of lead from primary sources.
25	<b>Tin</b>	Primary origin only.
26	<b>Gold</b>	From primary and secondary sources.
27	<b>Electricity</b>	Excludes purchases or transfers in of electricity.
28	<b>Gas</b>	Gas (including natural gas) available for issue through mains, including gas production for distribution via natural gas pipelines which service a single user. From September quarter 1999, there has been an improvement in coverage for this item. This improvement contributed approximately a 6.5% increase for that quarter.
A1	<b>Scoured and carbonised wool</b>	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	<b>Wool and man-made fibre tops</b>	Tops of, or predominantly of, sheep's or lambs' wool or man-made fibres.
A3	<b>Wool yarn</b>	Of, or predominantly of, sheep's or lambs' wool. Excludes elastic or elastomeric.
A4	<b>Cotton yarn</b>	Of, or predominantly of, cotton, of weight less than 2,000 tex. Excludes sewing thread, elastic or elastomeric.
A5	<b>Synthetic fibre yarn</b>	Of, or predominantly of, synthetic fibre. Excludes artificial fibres (e.g. viscose, acetate), sewing thread, elastic or elastomeric.
A6	<b>Wool broadwoven fabric</b>	Of sheep's or lambs' wool or fine animal hair. Excludes elastic fabrics.
A7	<b>Cotton broadwoven fabric</b>	Of, or predominantly of, cotton. Excludes gauze and elastic fabrics.
A8	<b>Man-made fibre broadwoven fabric</b>	Of, or predominantly of, man-made fibres. Excludes elastic or tyre cord.
A9	<b>Knitted or crocheted fabrics</b>	Excludes tufted, elastic and elastomeric knitted or crocheted fabrics and parts knitted to shape for garments and other articles.
A10–A12	<b>Textile floor coverings</b>	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–A15	<b>Footwear</b>	Includes sheepskin and fur 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.
A16	<b>Paperboard containers</b>	Includes corrugated paperboard and paperboard containers.
A17	<b>Superphosphates</b>	Expressed in terms of single super phosphate (9% P equivalent).
A18–A34	<b>Clothing</b>	Items A18–A61 are included in the September quarter issues of this publication.
A39–A61	<b>Food</b>	



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