



# MANUFACTURING PRODUCTION

AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) FRI 10 AUG 2001

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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

ISSUE	RELEASE DATE
September quarter 2001	9 November 2001
December quarter 2001	11 February 2002
March quarter 2002	10 May 2002

### 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.

Additional 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 9.

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 data items. These data items are listed in paragraph 20 of the Explanatory Notes on page 9.

### 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

Dennis Trewin  
Australian Statistician

										Percentage changes between latest quarter shown and....		
1999..... 2000..... 2001.....												
No.	Item and unit/Series	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	prev. quarter	same quarter prev. year
.....												
1	Red meat ('000 tonnes)											
	Original	744	753	752	746	780	792	788	r767	796	3.7	2.0
	Seasonally adjusted	737	753	749	756	774	793	784	r778	790	1.5	2.0
	Trend	748	746	750	761	775	785	786	784	783	-0.1	1.1
2	Chicken meat ('000 tonnes)											
	Original	139	142	151	150	149	152	161	150	155	3.1	3.5
	Seasonally adjusted	140	144	147	150	151	155	158	150	156	4.3	3.5
	Trend	141	144	147	149	153	154	155	154	154	-0.2	1.0
3	Cheese (tonnes)											
	Original r	66 220	79 409	116 390	98 737	74 887	76 644	114 728	91 303	n.y.a.	-20.4	-7.5
	Seasonally adjusted r	86 808	92 298	86 712	95 517	97 832	89 228	85 595	88 260	n.y.a.	3.1	-7.6
	Trend	86 679	88 828	91 826	94 147	94 140	91 233	87 711	85 991	n.y.a.	-2.0	-8.7
4	Butter (tonnes)											
	Original r	30 353	37 512	64 859	39 831	28 020	36 525	56 685	36 885	n.y.a.	-34.9	-7.4
	Seasonally adjusted r	48 647	45 025	42 065	39 855	44 710	43 724	36 824	36 931	n.y.a.	0.3	-7.3
	Trend	46 665	45 150	42 538	42 122	42 814	41 825	39 235	36 447	n.y.a.	-7.1	-13.5
5	Beer (megalitres)											
	Original	383	424	521	421	402	414	500	451	380	-15.8	-5.4
	Seasonally adjusted	421	462	437	426	441	448	424	458	418	-8.8	-5.4
	Trend	440	442	439	438	435	441	441	437	432	-1.1	-0.8
6	Tobacco and cigarettes (tonnes)											
	Original	5 388	5 142	5 517	5 169	4 860	5 185	4 763	4 217	4 959	17.6	2.0
	Seasonally adjusted	5 287	4 709	5 738	5 538	4 774	4 771	4 948	4 588	4 875	6.3	2.1
	Trend	5 197	5 276	5 358	5 328	5 079	4 795	4 763	4 778	4 775	—	-6.0
7	Newsprint ('000 tonnes)											
	Original	100	92	95	98	96	100	97	100	94	-6.5	-2.7
	Seasonally adjusted	99	90	98	96	96	100	100	100	93	-6.9	-2.7
	Trend	96	95	95	96	98	99	100	98	96	-2.2	-1.4
8	Wood pulp ('000 tonnes)											
	Original	214	212	212	221	216	226	227	220	223	1.4	2.9
	Seasonally adjusted	212	215	210	222	214	230	225	220	221	0.1	3.0
	Trend	211	213	214	217	221	224	224	223	220	-1.1	-0.4
9	Undressed sawn timber ('000 m³)											
	Original r	917	1 028	937	973	996	965	837	784	n.y.a.	-6.3	-19.4
	Seasonally adjusted r	906	968	967	1 015	985	909	864	818	n.y.a.	-5.4	-19.5
	Trend	930	953	985	999	974	922	865	819	n.y.a.	-5.3	-18.0
10	Hardwood woodchips ('000 tonnes)											
	Original	1 319	1 500	1 469	1 524	1 671	1 717	1 674	1 434	1 551	8.1	-7.2
	Seasonally adjusted	1 274	1 471	1 520	1 559	1 610	1 686	1 734	1 467	1 492	1.7	-7.3
	Trend	1 307	1 427	1 517	1 571	1 636	1 679	1 643	1 560	1 471	-5.7	-10.1
11	Automotive gasoline (megalitres)											
	Original	4 939	4 903	4 713	4 429	4 607	4 524	4 398	4 321	n.y.a.	-1.7	-2.4
	Seasonally adjusted	4 808	4 916	4 774	4 491	4 480	4 505	4 439	4 455	n.y.a.	0.4	-0.8
	Trend	4 839	4 853	4 735	4 581	4 482	4 466	4 463	4 450	n.y.a.	-0.3	-2.9
12	Fuel oil (megalitres)											
	Original	407	350	486	539	464	475	527	505	n.y.a.	-4.0	-6.2
	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	380	406	462	497	501	489	498	512	n.y.a.	2.8	3.1
13	Aviation turbine fuel (megalitres)											
	Original	1 286	1 350	1 419	1 393	1 376	1 418	1 463	1 509	n.y.a.	3.2	8.4
	Seasonally adjusted	1 397	1 333	1 363	1 359	1 493	1 399	1 406	1 474	n.y.a.	4.8	8.4
	Trend	1 288	1 320	1 361	1 402	1 424	1 429	1 431	1 437	n.y.a.	0.4	2.5
14	Automotive diesel oil (megalitres)											
	Original	3 391	3 287	3 404	3 025	3 021	3 052	3 471	3 288	n.y.a.	-5.3	8.7
	Seasonally adjusted	3 369	3 387	3 249	3 037	3 004	3 161	3 350	3 349	n.y.a.	—	10.3
	Trend	3 352	3 343	3 226	3 080	3 052	3 160	3 288	3 363	n.y.a.	2.3	9.2

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

1999..... 2000..... 2001.....										Percentage changes between latest quarter shown and....		
No.	Item and unit/Series	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	prev. quarter	same quarter prev. year
<hr/>												
15	Portland cement ('000 tonnes)											
	Original	1 944	2 005	2 027	1 835	2 070	1 898	1 652	1 554	1 717	10.5	-17.1
	Seasonally adjusted	1 916	1 931	1 941	1 996	2 041	1 835	1 605	1 693	1 693	—	-17.1
	Trend(b)	1 922	1 922	1 959	2 015	1 999	1 882	1 745	1 668	1 646	-1.3	-17.6
16	Clay bricks (million)											
	Original	408	437	425	423	450	420	382	298	348	16.9	-22.6
	Seasonally adjusted	401	407	427	456	443	394	385	324	344	5.9	-22.5
	Trend(b)	407	414	431	446	443	414	377	348	326	-6.1	-26.4
17	Ready mixed concrete ('000 m³)											
	Original	4 611	5 187	5 217	4 864	5 329	4 665	4 176	3 922	4 440	13.2	-16.7
	Seasonally adjusted	4 655	4 923	5 081	5 237	5 379	4 427	4 064	4 224	4 481	6.1	-16.7
	Trend(b)	4 706	4 873	5 119	5 292	5 167	4 748	4 367	4 231	4 292	1.5	-16.9
18	Basic iron, spiegeleisen and sponge iron ('000 tonnes)											
	Original	1 827	1 972	1 507	1 503	1 507	1 567	(e)	(e)	(e)	4.0	-20.5
	Seasonally adjusted	1 832	1 931	1 524	1 516	1 511	1 531	(e)	(e)	(e)	1.3	-20.7
	Trend(c)	1 870	1 888	1 530	1 522	1 517	1 523	(e)	(e)	(e)	0.4	-19.4
19	Blooms and slabs of iron or steel ( '000 tonnes)											
	Original	1 900	2 056	1 505	1 577	1 604	1 681	(e)	(e)	(e)	4.8	-18.2
	Seasonally adjusted	1 908	1 986	1 532	1 599	1 610	1 624	(e)	(e)	(e)	0.9	-18.2
	Trend(c)	1 919	1 951	1 559	1 584	1 608	1 630	(e)	(e)	(e)	1.3	-16.5
20	Alumina ('000 tonnes)											
	Original	3 601	3 707	3 702	3 710	3 918	4 004	4 049	3 975	n.y.a.	-1.8	7.1
	Seasonally adjusted	3 582	3 657	3 711	3 757	3 898	3 943	4 046	4 057	n.y.a.	0.3	8.0
	Trend	3 611	3 647	3 704	3 783	3 872	3 958	4 024	4 064	n.y.a.	1.0	7.4
21	Zinc ('000 tonnes)											
	Original	85	90	90	112	112	139	r130	127	n.y.a.	-2.3	13.4
	Seasonally adjusted	84	88	90	115	111	136	r130	131	n.y.a.	0.5	13.3
	Trend	84	88	89	114	120	127	132	132	n.y.a.	0.6	16.2
22	Silver (tonnes)											
	Original	113	134	129	131	149	110	148	140	n.y.a.	-5.4	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	104	133	137	134	130	131	139	149	n.y.a.	7.2	10.7
23	Copper ('000 tonnes)											
	Original	102	119	117	114	126	117	130	133	n.y.a.	2.3	16.7
	Seasonally adjusted	95	115	122	123	117	113	136	143	n.y.a.	5.4	16.3
	Trend	98	112	121	121	118	121	130	141	n.y.a.	8.3	16.9
24	Lead ('000 tonnes)											
	Original	62	65	60	55	55	51	63	54	n.y.a.	-14.3	-1.8
	Seasonally adjusted	59	67	61	54	53	53	65	53	n.y.a.	-17.6	-1.9
	Trend	60	64	61	56	54	56	58	58	n.y.a.	0.4	3.9
25	Tin (tonnes)											
	Original	150	140	125	155	180	215	225	250	n.y.a.	11.1	61.3
	Seasonally adjusted	129	150	147	144	159	224	249	238	n.y.a.	-4.2	65.4
	Trend	144	143	141	149	174	211	238	248	n.y.a.	4.2	66.4
26	Gold (tonnes)											
	Original	86	78	115	88	101	78	82	92	n.y.a.	12.2	4.5
	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(d)	89	88	93	97	92	86	84	85	n.y.a.	0.9	-12.0

(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 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.

(d) Due to abnormal movements in the original series for each of September quarter 1998 and December quarter 1999, the trend has been modified to remove the effect. See also paragraphs 14–16 of the Explanatory Notes.

(e) Inclusion of this item is under review, due to significant restructuring in the iron and steel industry.

QUARTERLY COMMODITY PRODUCTION: **All series**(a) *continued*

											Percentage changes between latest quarter shown and....										
											1999.....	2000.....	2001.....								
											Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	prev. quarter	same quarter prev. year
.....																					
27	Electricity (million kWh)																				
	Original	45 227	46 785	44 591	46 040	47 374	49 387	45 977	46 865	46 317									-1.2	-2.2	
	Seasonally adjusted	45 043	44 866	45 783	47 006	47 191	47 383	47 200	47 836	46 143									-3.5	-2.2	
	Trend(b)	44 931	45 214	45 862	46 701	47 210	47 444	47 409	47 173	46 733									-0.9	-1.0	
28	Gas (petajoules)(c)																				
	Original	182	198	165	164	199	213	172	174	202									16.1	1.7	
	Seasonally adjusted	171	172	178	192	187	186	185	203	190									-6.3	1.7	
	Trend	170	174	180	186	187	187	190	194	196									1.3	4.9	

(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 March quarter 1999, the trend has been modified to remove the effect. See also paragraphs 14–16 of the Explanatory Notes.

(c) 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.

								Percentage change between latest year shown and prev. year
No.	Item and unit	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01	
.....								
Yarns and textiles								
A1	Scoured and carbonised wool (tonnes)	158 268	165 268	165 104	129 753	r118 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	(c)p16 851	p-11.4
A4	Cotton yarn (tonnes)	36 955	39 853	36 897	36 814	33 368	(c)n.y.a.	-9.4
A5	Synthetic fibre yarn (tonnes)	10 020	12 547	12 913	10 311	11 148	(c)p9 531	p-14.5
A6	Wool broadwoven fabric ('000 m <sup>2</sup> )	6 523	6 300	6 636	6 254	5 427	(c)n.y.a.	-13.2
A7	Cotton broadwoven fabric ('000 m <sup>2</sup> )	63 886	60 617	62 088	55 824	47 230	(c)n.y.a.	-15.4
A8	Man-made fibre broadwoven fabric ('000 m <sup>2</sup> )	149 344	142 194	135 768	136 886	130 461	(c)p95 707	p-26.1
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 <sup>2</sup> )	10 880	11 610	11 709	13 286	14 894	12 731	-14.5
A11	Of other tufted textile material ('000 m <sup>2</sup> )	29 185	30 483	31 241	30261	29 993	29 407	-2.0
A12	Other ('000 m <sup>2</sup> )	2 159	1 888	1 544	1 595	1 515	1 353	-10.7
Footwear								
A13	Men's ('000 pairs)	5 361	4 687	4 558	4 254	3 722	(c)n.y.a.	-12.5
A14	Women's ('000 pairs)	7 682	7 197	6 947	6 249	r5 807	4 871	-16.1
A15	Children's ('000 pairs)	1 314	1 272	862	735	169	(c)n.y.a.	-77.0
Other								
A16	Paperboard containers ('000 tonnes)	1 091	1 138	1 177	1 285	1 385	1 395	0.8
A17	Superphosphates ('000 tonnes)	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. Clothing and hosiery items A18-A34 are to be included in Table 2 of the September quarter 2001 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.

(c) Final 2000-01 data for items A3-A8, A13 and A15 are not yet available. All items in this table are to be included in Table 2 of the September quarter 2001 issue of this publication.

# 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-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 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 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** 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 5132 or by email through the internet to [timeseries@abs.gov.au](mailto: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 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, 2000* (Cat. no. 8225.0) released on 22 December 2000
  - *Manufacturing Industry, Australia, 1999–2000* (Cat. no. 8221.0) to be released on 16 October 2001
  - *Manufacturing Industry, Australia, Preliminary, 1999–2000* (Cat. no. 8201.0) released on 29 March 2001
  - *Mining Operations, Australia* (Cat. no. 8415.0) issued biennially

## OTHER PUBLISHED STATISTICS

**19** Some annual manufacturing production series which mainly relate to textiles, clothing and footwear are published in the June and September quarter issues of this publication. Selected annual food series were last published in the September quarter 2000 issue; other annual series not included in this current issue are to be published in the September quarter 2001 issue.

## ABS DATA AVAILABLE ON REQUEST

**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:

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  
starches, wheat gluten and glucose products  
synthetic fibre yarn  
textile floor coverings  
unlaminated particle board

## EXPLANATORY NOTES *continued*

### ABS DATA AVAILABLE ON REQUEST *continued*

- 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) was collected in the 1998–99 annual manufacturing industry survey, and is available to users on a consultancy basis. 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](http://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 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.
24 Lead	Includes lead content of lead from primary sources.
25 Tin	Primary origin only.
26 Gold	From primary and secondary sources.

## APPENDIX CLARIFICATION OF TERMS *continued*

27 Electricity	Excludes purchases or transfers in of electricity.
28 Gas	Gas (including natural gas) available for issue through mains, including gas production for distribution via natural gas pipelines which service a single user.
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–A15 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.
A16 Paperboard containers	Includes corrugated paperboard and paperboard containers.
A17 Superphosphates	Expressed in terms of single super phosphate (9% P equivalent).
A18–A34 Clothing	Items A18–A34 are included in the September quarter issues of this publication.







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