



MANUFACTURING PRODUCTION

AUSTRALIA

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- For more information about these and related statistics, contact John Ridley on Sydney 02 9268 4541, or refer to the back cover of this publication.

NOTES

FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
September quarter 1998	11 November 1998
December quarter 1998	11 February 1999
March quarter 1999	12 May 1999

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. Further annual summary data, including series related to clothing and food, will be published in the September quarter 1998 issue of this publication.

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 or quarterly series for a limited number of the data items contained in this publication. These data items are listed in paragraph 19 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.

SYMBOLS AND OTHER USAGES

ABARE	Australian Bureau of Agricultural and Resource Economics
ABS	Australian Bureau of Statistics
ADC	Australian Dairy Corporation
DPIE	Department of Primary Industries and Energy
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	1996..... 1997..... 1998.....									Percentage changes between latest quarter shown and....	
		Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	prev. quarter	same quarter prev. year
1	Red meat ('000 tonnes)											
	Original	661	632	668	674	742	732	r729	r722	733	1.5	-1.3
	Seasonally adjusted	655	635	656	707	725	731	717	r745	727	-2.4	0.2
	Trend	658	638	659	705	726	724	725	739	729	-1.3	0.4
2	Chicken meat ('000 tonnes)											
	Original	118	123	127	122	125	135	139	138	138	—	10.2
	Seasonally adjusted	120	123	125	122	127	135	136	139	141	1.0	10.4
	Trend	120	123	125	123	128	134	136	138	141	1.7	10.2
3	Cheese (tonnes)											
	Original	48 063	58 108	95 264	75 575	56 004	r61 241	r97 963	75 585	n.y.a.	-22.8	—
	Seasonally adjusted	70 215	66 970	67 762	72 572	81 525	r70 624	r69 711	72 591	n.y.a.	4.1	—
	Trend	66 967	67 533	69 966	73 652	75 571	73 823	71 408	70 069	n.y.a.	-1.9	-4.9
4	Butter (tonnes)											
	Original	24 608	31 850	58 082	35 352	21 665	33 119	63 243	32 655	n.y.a.	-48.4	-7.6
	Seasonally adjusted	41 866	41 054	36 407	34 010	36 750	42 675	39 658	31 444	n.y.a.	-20.7	-7.5
	Trend	40 862	39 959	36 932	35 648	37 895	39 601	38 302	35 236	n.y.a.	-8.0	-1.2
5	Beer (megalitres)											
	Original	398	398	507	432	398	406	526	428	397	-7.4	-0.3
	Seasonally adjusted	432	424	428	450	433	433	442	449	432	-3.8	-0.3
	Trend	425	427	434	438	438	438	440	442	440	-0.5	0.3
6	Tobacco and cigarettes (tonnes)											
	Original	5 239	6 293	5 575	4 802	5 523	5 708	4 821	4 919	5 809	18.1	5.2
	Seasonally adjusted	5 302	5 544	5 641	5 453	5 575	4 987	4 833	5 655	5 857	3.6	5.1
	Trend	5 187	5 494	5 623	5 568	5 324	5 092	5 143	5 432	5 800	6.8	8.9
7	Newsprint ('000 tonnes)											
	Original	111	111	102	104	105	104	96	100	102	1.2	-2.8
	Seasonally adjusted	108	112	106	101	102	107	98	100	99	-0.5	-2.8
	Trend	111	109	106	104	103	103	101	99	99	-0.8	-4.0
8	Wood pulp ('000 tonnes)											
	Original	244	231	244	239	235	233	250	259	240	-7.6	2.0
	Seasonally adjusted	241	234	244	239	231	236	251	259	236	-8.9	1.9
	Trend	239	239	239	237	235	240	248	250	247	-1.4	4.8
9	Undressed sawn timber ('000 m ³)											
	Original	846	924	809	777	872	889	r893	880	n.y.a.	-1.5	13.3
	Seasonally adjusted	839	871	821	821	866	837	r907	929	n.y.a.	2.4	13.1
	Trend	850	844	836	832	840	866	894	924	n.y.a.	3.3	11.0
10	Hardwood woodchips ('000 tonnes)											
	Original	1 128	1 128	1 220	1 106	1 325	1 402	1 362	1 428	1 473	3.2	11.2
	Seasonally adjusted	1 117	1 094	1 228	1 143	1 311	1 363	1 370	1 472	1 457	-1.0	11.1
	Trend	1 137	1 130	1 155	1 216	1 279	1 346	1 403	1 439	1 471	2.2	15.0
11	Automotive gasoline (megalitres)											
	Original	4 682	4 596	4 378	4 455	4 655	4 622	4 745	4 430	n.y.a.	-6.6	-0.6
	Seasonally adjusted	4 663	4 515	4 455	4 506	4 634	4 532	4 767	4 542	n.y.a.	-4.7	0.8
	Trend	4 591	4 530	4 500	4 506	4 576	4 627	4 638	4 623	n.y.a.	-0.3	2.6
12	Fuel oil (megalitres)											
	Original	431	434	422	455	485	460	r416	412	n.y.a.	-1.0	-9.4
	Seasonally adjusted	436	410	432	465	490	435	r427	421	n.y.a.	-1.2	-9.4
	Trend	413	415	440	462	468	450	430	417	n.y.a.	-2.9	-9.6
13	Aviation turbine fuel (megalitres)											
	Original	1 130	1 259	1 383	1 412	1 230	1 370	1 407	1 411	n.y.a.	0.3	-0.1
	Seasonally adjusted	1 186	1 261	1 321	1 409	1 289	1 373	1 344	1 406	n.y.a.	4.6	-0.2
	Trend	1 228	1 265	1 319	1 354	1 349	1 346	1 364	1 389	n.y.a.	1.8	2.6
14	Automotive diesel oil (megalitres)											
	Original	3 164	3 076	3 277	3 362	3 253	3 186	3 392	3 323	n.y.a.	-2.0	-1.2
	Seasonally adjusted	3 161	3 090	3 212	3 471	3 244	3 146	3 355	3 401	n.y.a.	1.4	-2.0
	Trend	3 086	3 159	3 267	3 312	3 286	3 255	3 294	3 372	n.y.a.	2.4	1.8

(a) Trend estimates shown may have been revised. See paragraph 15 of the Explanatory Notes on page 7.

No.	Item and unit/Series	1996..... 1997..... 1998.....									Percentage changes between latest quarter shown and....		
		Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	prev. quarter	same quarter prev. year	
		<hr/>											
15	Portland cement ('000 tonnes)												
	Original	1 593	1 706	1 699	1 511	1 785	1 826	1 830	1 719	1 861	8.3	4.3	
	Seasonally adjusted	1 576	1 587	1 666	1 678	1 765	1 700	1 818	1 886	1 840	-2.4	4.3	
	Trend	1 600	1 610	1 645	1 694	1 721	1 757	1 805	1 847	1 879	1.7	9.2	
16	Clay bricks (million)												
	Original	358	379	369	330	390	416	383	339	394	16.4	1.1	
	Seasonally adjusted	345	360	365	368	376	392	384	373	379	1.8	1.0	
	Trend	346	355	364	370	379	385	383	379	375	-1.2	-1.2	
17	Ready mixed concrete ('000 m ³)												
	Original	3 568	3 922	3 989	3 534	4 099	4 252	r4 390	r4 298	4 472	4.0	9.1	
	Seasonally adjusted	3 557	3 713	3 886	3 867	4 086	4 025	4 278	r4 701	4 458	-5.2	9.1	
	Trend	3 659	3 725	3 819	3 931	3 989	4 131	4 326	4 494	4 612	2.6	15.6	
18	Basic iron, spiegeleisen and sponge iron ('000 tonnes)												
	Original	1 854	1 917	1 734	1 804	1 891	1 966	2 025	1 950	1 987	1.9	5.1	
	Seasonally adjusted	1 850	1 834	1 760	1 840	1 890	1 924	2 034	2 009	1 989	-1.0	5.2	
	Trend	1 862	1 814	1 799	1 849	1 882	1 952	1 993	2 011	2 009	-0.1	6.7	
19	Blooms and slabs of iron or steel (‘000 tonnes)												
	Original	1 956	1 996	1 877	1 948	1 954	2 108	2 075	2 083	2 090	0.3	7.0	
	Seasonally adjusted	1 968	1 948	1 872	1 989	1 969	2 059	2 071	2 123	2 107	-0.8	7.0	
	Trend	1 964	1 931	1 922	1 971	1 994	2 044	2 079	2 107	2 117	0.5	6.2	
20	Alumina ('000 tonnes)												
	Original	3 348	3 341	3 341	3 201	3 370	3 429	3 385	3 319	n.y.a.	-1.9	3.7	
	Seasonally adjusted	3 342	3 304	3 315	3 279	3 363	3 358	3 416	3 342	n.y.a.	-2.1	1.9	
	Trend	3 330	3 314	3 302	3 309	3 342	3 371	3 381	3 371	n.y.a.	-0.3	1.9	
21	Zinc ('000 tonnes)												
	Original	82	82	81	77	79	73	78	74	n.y.a.	-5.1	-3.9	
	Seasonally adjusted	80	81	81	80	78	72	78	77	n.y.a.	-1.4	-3.9	
	Trend	82	81	81	79	77	75	76	76	n.y.a.	1.1	-3.2	
22	Silver (tonnes)												
	Original	97	84	85	84	87	58	51	49	n.y.a.	-3.9	-41.7	
	Seasonally adjusted	90	85	91	83	81	59	55	48	n.y.a.	-12.0	-41.9	
	Trend	88	89	88	85	76	64	54	50	n.y.a.	-7.8	-41.0	
23	Copper ('000 tonnes)												
	Original	82	84	83	62	76	75	58	69	n.y.a.	19.0	11.3	
	Seasonally adjusted	81	77	86	67	74	68	60	75	n.y.a.	24.2	11.3	
	Trend	76	80	79	75	70	67	67	68	n.y.a.	1.3	-9.2	
24	Lead ('000 tonnes)												
	Original	56	44	50	52	56	50	46	46	n.y.a.	—	-11.5	
	Seasonally adjusted	55	47	48	52	55	53	44	46	n.y.a.	2.8	-11.6	
	Trend	52	49	49	52	54	51	48	45	n.y.a.	-4.9	-12.4	
25	Tin (tonnes)												
	Original	135	100	135	160	175	145	125	175	n.y.a.	40.0	9.4	
	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	103	121	145	159	156	154	162	177	n.y.a.	8.9	11.3	
26	Gold (tonnes)												
	Original	83	81	81	85	80	85	92	83	n.y.a.	-9.8	-2.4	
	Seasonally adjusted	82	79	84	84	79	84	95	82	n.y.a.	-13.6	-2.4	
	Trend	82	82	82	82	83	85	88	88	n.y.a.	0.3	7.5	
27	Electricity (million kWh)												
	Original	42 122	43 742	40 761	41 011	42 901	45 521	43 169	45 920	44 629	-2.8	4.0	
	Seasonally adjusted	41 927	41 568	41 885	42 285	42 697	43 276	44 345	r47 351	44 413	-6.2	4.0	
	Trend	41 916	41 786	41 850	42 204	42 588	43 616	44 812	45 597	45 860	0.6	7.7	
28	Gas (petajoules)												
	Original	162	184	146	135	171	183	151	141	174	23.4	1.8	
	Seasonally adjusted	154	157	157	161	163	156	162	167	167	—	2.5	
	Trend	156	156	158	160	160	160	162	165	168	1.8	5.0	

(a) Trend estimates shown may have been revised. See paragraph 15 of the Explanatory Notes on page 7.

No.	Item and unit	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	Percentage change between latest year shown and prev. year
Yarns and textiles								
A1	Scoured and carbonised wool (tonnes)	171 026	177 237	165 247	158 268	165 268	165 104	-0.1
A2	Wool and man-made fibre tops (tonnes)	38 322	38 448	n.p.	54 282	57 645	60 084	4.2
A3	Wool yarn (tonnes)	18 167	21 016	23 093	20 073	18 285	18 077	-1.1
A4	Cotton yarn (tonnes)	27 436	33 780	37 643	36 955	39 853	36 897	-7.4
A5	Synthetic fibre yarn (tonnes)	12 172	12 315	11 076	10 020	12 697	12 054	-5.1
A6	Wool broadwoven fabric ('000 m ²)	8 343	7 893	8 189	6 523	6 300	6 636	5.3
A7	Cotton broadwoven fabric ('000 m ²)	41 410	49 835	51 865	63 886	60 617	62 280	2.7
A8	Man-made fibre broadwoven fabric ('000 m ²)	185 060	184 885	185 171	149 344	142 194	135 760	-4.5
A9	Knitted or crocheted fabrics (tonnes)	17 019	n.p.	n.p.	18 653	16 117	11 969	-25.7
Textile floor coverings-								
A10	Of tufted wool or fine animal hair ('000 m ²)	8 774	10 713	12 916	10 880	11 610	11 709	0.9
A11	Of other tufted textile material ('000 m ²)	30 796	33 305	31 606	29 185	30 483	31 241	2.5
A12	Other ('000 m ²)	2 535	2 892	2 736	2 159	1 888	1 544	-18.2
Footwear								
A13	Men's ('000 pairs)	5 362	5 918	5 167	5 361	4 687	4 558	-2.8
A14	Women's ('000 pairs)	8 048	8 676	7 992	7 682	7 197	6 947	-3.5
A15	Children's ('000 pairs)	2 025	1 633	1 556	1 314	1 272	862	-32.2
Other								
A16	Paperboard containers ('000 tonnes)	n.a.	n.a.	1 072	1 091	1 138	1 177	3.4
A17	Superphosphates ('000 tonnes)	1 440	1 344	1 590	1 697	1 511	1 819	20.4

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 Primary Industries and Energy (DPIE), 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 Where production statistics are collected by the ABS manufacturing production surveys, they are not collected from single establishment manufacturing businesses with less 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 on meat production include data collected from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms and by country butchers and other small slaughtering establishments for human consumption. Further information about this series, including more detail, is available in the monthly 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 monthly 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 DPIE Petroleum and Fisheries Division publication *Australian Petroleum Statistics*, from July 1996. Previously, these data were obtained from ABARE.

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 referred to in paragraph 1 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 and 11.

10 Details of manufacturers' sales and stocks are published quarterly in *Stocks and Sales, Selected Industries, Australia* (Cat. no. 5629.0).

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 12 Fuel oil, 21 Zinc, and 26 Gold are more volatile than other series. Seasonally adjusted estimates for 25 Tin are not sufficiently reliable 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.

GENERAL ACKNOWLEDGEMENTS

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 annually
- *Information Paper: Availability of Statistics Related to Manufacturing, 1997* (Cat. no. 8205.0), released on 16 January 1998
- *Livestock Products, Australia* (Cat. no. 7215.0) issued monthly
- *Manufacturing, Australia, 1997* (Cat. no. 8225.0) released on 25 June 1998
- *Manufacturing Industry, Australia* (Cat. no. 8221.0) issued annually
- *Manufacturing Industry, Australia, Preliminary* (Cat. no. 8201.0) issued annually
- *Manufacturing Production, Australia: Commodities Produced, 1995–96* (Cat. no. 8365.0), released on 20 May 1998
- *Manufacturing Production, Australia: Commodities Produced, 1996–97* (Cat. no. 8365.0), to be released later this year
- *Stocks and Sales, Selected Industries, Australia* (Cat. no. 5629.0) issued quarterly

UNPUBLISHED STATISTICS

19 Additional manufacturing production data are collected by the ABS through user funded surveys and are available to users as a special data service. These series are:

- audio cassette tapes
- audio compact discs
- beer
- brass bars, rods and sections
- cars and station wagons
- children's footwear
- clay bricks
- clothes drying machines
- concrete blocks, bricks and pavers
- cotton broadwoven fabric
- cotton yarn
- domestic clothes washing machines
- domestic cooking stoves, ovens and ranges
- domestic deep-freezers
- domestic refrigerators
- foundation garments and swimwear
- gas
- hosiery
- knitted and woven sleepwear
- knitted cardigans, jumpers, 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
- men's footwear
- mowers
- other clothing (excluding those listed here)

UNPUBLISHED STATISTICS *continued*

plasterboard
Portland cement
ready mixed concrete
rigid PVC tubes, pipes and hoses
roofing tiles
space heaters
starches, wheat gluten and glucose
synthetic fibre yarn
textile floor coverings
unlaminated particle board
water heaters
women's and girls' woven coats, blazers, jackets, overalls, slacks and other
long trousers
women's footwear
women's shirts and blouses
wool broadwoven fabric
wool yarn

For further information, please call John Ridley on Sydney 02 9268 4541 or by email through the Internet to john.ridley@abs.gov.au.

CURRENT PUBLICATIONS

20 Current publications 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 publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

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.

APPENDIX CLARIFICATION OF TERMS *continued*

24	Lead	Includes lead content of lead from primary sources.
25	Tin	Primary origin only.
26	Gold	From primary and secondary sources.
27	Electricity	Excludes purchases or transfers in of electricity.
28	Gas	Gas (including natural gas) available for issue through mains. From September quarter 1996, includes 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 lambs' 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 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.
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).

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