



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

ISSUE	RELEASE DATE
December quarter 1998	11 February 1999
March quarter 1999	12 May 1999
June quarter 1999	11 August 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 related to clothing, hosiery and food are included in this issue as annual series. Other annual summary data, including series related to yarns, textiles and footwear, were published in the June 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.

Most series' trend and seasonally adjusted estimates of production 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).

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
p	preliminary
r	figure or series revised since previous issue
—	nil or rounded to zero

W. McLennan
Australian Statistician

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

											Percentage changes between latest quarter shown and....	
												same quarter prev. year
											prev. quarter	
No.	Item and unit/Series	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep		
<div></div>												
1	Red meat ('000 tonnes)											
	Original	632	668	674	742	732	729	722	r731	746	2.1	2.0
	Seasonally adjusted	631	663	690	731	731	724	736	719	746	3.9	2.1
	Trend	646	659	693	720	732	731	728	732	736	0.7	0.6
2	Chicken meat ('000 tonnes)											
	Original	123	127	122	125	135	139	138	r139	140	1.0	4.0
	Seasonally adjusted	123	124	122	127	135	136	138	142	140	-1.2	3.9
	Trend	122	123	124	128	133	137	139	140	141	0.6	6.3
3	Cheese (tonnes)											
	Original	58 108	95 264	75 575	56 004	61 241	97 963	75 585	53 710	n.y.a.	-28.9	-4.1
	Seasonally adjusted	67 050	68 743	73 447	77 690	70 634	70 876	73 496	74 171	n.y.a.	0.9	4.5
	Trend	67 256	70 213	73 286	74 317	73 014	71 916	72 531	74 073	n.y.a.	2.1	-0.3
4	Butter (tonnes)											
	Original	31 850	58 082	35 352	21 665	33 119	63 243	32 655	24 636	n.y.a.	-24.6	13.7
	Seasonally adjusted	40 259	36 454	34 741	36 223	41 799	39 681	32 172	41 145	n.y.a.	27.9	13.6
	Trend	39 608	36 885	35 739	37 643	38 912	38 298	37 340	37 211	n.y.a.	-0.3	-1.1
5	Beer (megalitres)											
	Original	398	507	432	398	406	526	428	397	403	2.0	-0.9
	Seasonally adjusted	425	428	447	435	435	441	445	434	430	-0.9	-1.2
	Trend	428	434	437	439	439	440	440	436	432	-1.0	-1.5
6	Tobacco and cigarettes (tonnes)											
	Original	6 293	5 575	4 802	5 523	5 708	4 821	4 919	5 809	5 904	1.6	3.4
	Seasonally adjusted	5 611	5 577	5 494	5 523	5 056	4 779	5 701	5 788	5 181	-10.5	2.5
	Trend	5 502	5 618	5 564	5 321	5 102	5 169	5 412	5 562	5 529	-0.6	8.4
7	Newsprint ('000 tonnes)											
	Original	111	102	104	105	104	96	100	102	105	3.0	0.7
	Seasonally adjusted	111	107	101	103	105	98	100	100	104	4.0	-1.4
	Trend	108	106	104	103	102	101	100	101	102	1.7	0.1
8	Wood pulp ('000 tonnes)											
	Original	231	244	239	235	233	250	r235	240	225	-6.3	-3.7
	Seasonally adjusted	236	241	237	234	239	248	232	240	231	-3.8	-3.6
	Trend	240	238	236	238	239	241	239	235	233	-1.1	-2.8
9	Undressed sawn timber ('000 m³)											
	Original	924	809	777	872	889	893	880	940	n.y.a.	6.8	7.8
	Seasonally adjusted	869	827	822	863	834	914	930	930	n.y.a.	-0.1	7.8
	Trend	844	838	832	839	866	896	922	945	n.y.a.	2.5	12.7
10	Hardwood woodchips ('000 tonnes)											
	Original	1 128	1 220	1 106	1 325	1 402	1 362	1 428	1 473	1 233	-16.3	-12.1
	Seasonally adjusted	1 095	1 236	1 131	1 317	1 363	1 382	1 455	1 468	1 199	-18.3	-12.0
	Trend	1 131	1 157	1 214	1 280	1 348	1 424	1 431	1 387	1 304	-6.0	-3.3
11	Automotive gasoline (megalitres)											
	Original	4 596	4 378	4 455	4 655	4 622	4 745	4 430	4 795	n.y.a.	8.2	3.0
	Seasonally adjusted	4 534	4 440	4 545	4 583	4 555	4 752	4 583	4 712	n.y.a.	2.8	2.8
	Trend	4 531	4 503	4 509	4 568	4 620	4 647	4 667	4 680	n.y.a.	0.3	2.4
12	Fuel oil (megalitres)											
	Original	434	422	455	485	460	416	412	385	n.y.a.	-6.6	-20.7
	Seasonally adjusted	416	450	457	472	443	445	413	374	n.y.a.	-9.4	-20.7
	Trend	428	445	459	463	455	435	410	390	n.y.a.	-4.9	-15.7
13	Aviation turbine fuel (megalitres)											
	Original	1 259	1 383	1 412	1 230	1 370	1 407	1 411	1 235	n.y.a.	-12.4	0.5
	Seasonally adjusted	1 256	1 320	1 377	1 334	1 365	1 344	1 369	1 346	n.y.a.	-1.7	0.9
	Trend	1 266	1 314	1 351	1 358	1 354	1 355	1 357	1 353	n.y.a.	-0.2	-0.3
14	Automotive diesel oil (megalitres)											
	Original	3 076	3 277	3 362	3 253	3 186	3 392	3 323	3 282	n.y.a.	-1.2	0.9
	Seasonally adjusted	3 121	3 196	3 440	3 256	3 182	3 337	3 364	3 285	n.y.a.	-2.3	0.9
	Trend	3 167	3 260	3 302	3 291	3 269	3 289	3 328	3 332	n.y.a.	0.1	1.2

(a) Users should note that most seasonally adjusted and trend estimates shown have been revised and should refer to paragraphs 12–15 of the Explanatory Notes on page 7.

Percentage changes between latest quarter shown and....												
1996..... 1997..... 1998.....												
No.	Item and unit/Series	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	prev. quarter	same quarter prev. year
.....												
15	Portland cement ('000 tonnes)											
	Original	1 706	1 699	1 511	1 785	1 826	1 830	1 719	1 861	1 956	5.1	7.1
	Seasonally adjusted	1 602	1 673	1 652	1 764	1 718	1 827	1 854	1 839	1 862	1.3	8.4
	Trend	1 615	1 645	1 687	1 720	1 763	1 808	1 837	1 855	1 857	0.1	5.3
16	Clay bricks (million)											
	Original	379	369	330	390	416	383	339	394	412	4.4	-1.1
	Seasonally adjusted	358	364	369	377	390	383	374	380	392	3.0	0.4
	Trend	354	364	371	379	384	383	380	382	387	1.4	0.7
17	Ready mixed concrete ('000 m³)											
	Original	3 922	3 989	3 534	4 099	4 252	4 390	4 298	4 472	4 898	9.5	15.2
	Seasonally adjusted	3 727	3 909	3 810	4 102	4 039	4 307	4 624	4 481	4 651	3.8	15.2
	Trend	3 732	3 819	3 918	3 990	4 139	4 328	4 478	4 582	4 629	1.0	11.9
18	Basic iron, spiegeleisen and sponge iron ('000 tonnes)											
	Original	1 917	1 734	1 804	1 891	1 966	2 025	1 950	1 987	1 951	-1.8	-0.7
	Seasonally adjusted	1 839	1 754	1 834	1 897	1 926	2 028	2 001	1 997	1 889	-5.4	-1.9
	Trend	1 815	1 798	1 822	1 884	1 953	2 000	2 005	1 973	1 922	-2.6	-1.6
19	Blooms and slabs of iron or steel ('000 tonnes)											
	Original	1 996	1 877	1 948	1 954	2 108	2 075	2 083	2 090	2 024	-3.2	-4.0
	Seasonally adjusted	1 940	1 877	1 981	1 980	2 044	2 082	2 112	2 120	1 960	-7.6	-4.1
	Trend	1 931	1 922	1 946	1 994	2 042	2 089	2 103	2 074	2 023	-2.4	-0.9
20	Alumina ('000 tonnes)											
	Original	3 341	3 341	3 201	3 370	3 429	3 385	3 319	3 405	n.y.a.	2.6	1.0
	Seasonally adjusted	3 309	3 308	3 295	3 346	3 366	3 406	3 361	3 378	n.y.a.	0.5	1.0
	Trend	3 314	3 303	3 310	3 340	3 370	3 383	3 380	3 375	n.y.a.	-0.2	1.1
21	Zinc ('000 tonnes)											
	Original	82	81	77	79	73	78	74	79	n.y.a.	6.8	—
	Seasonally adjusted	82	80	79	77	73	77	76	77	n.y.a.	1.4	—
	Trend	81	81	79	77	75	76	77	77	n.y.a.	0.9	0.9
22	Silver (tonnes)											
	Original	84	85	84	87	58	51	49	69	n.y.a.	40.8	-20.7
	Seasonally adjusted	87	93	86	76	60	56	50	60	n.y.a.	20.9	-21.1
	Trend	89	89	85	75	63	56	54	56	n.y.a.	3.2	-25.8
23	Copper ('000 tonnes)											
	Original	84	83	62	76	75	58	69	78	n.y.a.	13.0	2.6
	Seasonally adjusted	76	88	69	72	68	62	77	74	n.y.a.	-4.6	1.9
	Trend	80	80	76	70	66	68	71	75	n.y.a.	5.4	7.7
24	Lead ('000 tonnes)											
	Original	44	50	52	56	50	46	46	43	n.y.a.	-6.5	-23.2
	Seasonally adjusted	47	49	51	54	53	46	45	41	n.y.a.	-9.1	-23.4
	Trend	49	49	52	53	52	48	44	42	n.y.a.	-4.3	-20.0
25	Tin (tonnes)											
	Original	100	135	160	175	145	125	175	205	n.y.a.	17.1	17.1
	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	118	141	156	155	150	154	166	175	n.y.a.	5.4	12.7
26	Gold (tonnes)											
	Original	81	81	85	80	85	92	83	89	n.y.a.	7.2	11.3
	Seasonally adjusted	79	83	84	80	84	95	82	89	n.y.a.	8.8	11.3
	Trend	82	82	82	83	85	87	88	87	n.y.a.	-0.8	4.7
27	Electricity (million kWh)											
	Original	43 742	40 761	41 011	42 901	45 521	43 169	r43 241	r44 281	46 084	4.1	1.2
	Seasonally adjusted	41 650	41 898	42 110	42 760	43 367	44 372	44 381	44 136	43 916	-0.5	1.3
	Trend	41 815	41 838	42 161	42 762	43 511	44 131	44 301	44 198	43 966	-0.5	1.0
28	Gas (petajoules)											
	Original	184	146	135	171	183	151	141	174	191	9.4	4.1
	Seasonally adjusted	158	157	160	162	157	162	166	165	164	-0.8	4.1
	Trend	156	158	160	160	161	162	164	165	165	-0.3	2.7

(a) Users should note that most seasonally adjusted and trend estimates shown have been revised and should refer to paragraphs 12–15 of the Explanatory Notes on page 7.

								Percentage change between latest year shown and prev. year
No.	Item and unit	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	
.....								
Clothing ('000)								
A18	Men's complete suits	221	199	213	190	184	163	-11.1
A19	Men's and boys' woven coats	695	652	589	537	516	491	-4.7
A20	Men's and boys' long trousers	4 011	3 666	3 792	3 476	3 300	3 128	-5.2
A21	Men's and boys' shorts	6 140	4 861	3 757	2 425	1 933	1 646	-14.9
A22	Men's and boys' shirts	15 729	12 433	11 346	10 290	9 620	8 864	-7.9
A23	Women's and girls' woven coats, blazers and jackets	655	495	486	488	506	410	-19.0
A24	Women's and girls' long trousers	1 603	1 279	1 858	1 272	1 570	1 044	-33.5
A25	Women's shirts and blouses	4 778	4 823	4 676	3 704	5 007	4 144	-17.2
A26	Men's and boys' knitted cardigans, jumpers, sweatshirts and sloppy-joes	3 012	2 554	2 265	2 339	1 805	1 523	-15.6
A27	Women's and girls' knitted cardigans, jumpers, sweatshirts and sloppy-joes	3 577	3 435	2 209	1 849	1 762	1 671	-5.1
A28	Sleepwear	n.p.	2 077	n.p.	n.p.	n.p.	2 654	n.p.
A29	Knitted underwear (excl. men's and boys' singlets)	53 511	37 677	34 577	28 502	22 064	17 432	-21.0
A30	Brassieres	6 589	6 937	6 166	5 865	5 462	5 048	-7.6
A31	Men's and boys' swimwear	1 022	882	873	n.p.	605	613	1.3
A32	Women's and girls' swimwear	1 468	2 162	2 559	2 462	2 223	1 259	-43.4
A33	Long jeans	4 404	3 658	3 239	3 299	2 949	2 936	-0.4
A34	Knitted complete tracksuits	319	1 011	216	374	300	289	-3.6
Hosiery ('000 pairs)								
A35	Pantyhose and tights	85 420	70 254	58 709	66 949	55 418	(a)48 268	-12.9
A36	Women's knitted other hosiery	n.a.	n.a.	n.a.	n.a.	n.a.	19 847	n.a.
A37	Men's knitted hosiery	30 771	25 858	27 719	24 290	24 230	24 330	0.4
A38	Children's knitted hosiery	13 479	10 179	10 246	8 862	9 939	10 160	2.2
Food								
A39	Bacon and ham (tonnes)	96 826	93 752	93 033	98 792	101 594	97 002	-4.5
A40	Canned meat (tonnes)	16 124	16 817	16 780	19 822	24 772	18 906	-23.7
A41	Cream ('000 litres)	n.a.	n.a.	n.a.	50 020	55 769	51 405	-7.8
A42	Milk and cream in liquid form, either concentrated or sweetened (tonnes)	n.a.	n.a.	n.a.	61 216	82 151	76 837	-6.5
A43	Yoghurt (tonnes)	n.a.	n.a.	n.a.	98 082	92 685	74 460	-19.7
A44	Prepared or preserved abalone (tonnes)	n.a.	n.a.	n.a.	1 907	1 398	1 091	-22.0
A45	Canned fish (tonnes)	n.a.	n.a.	n.a.	7 155	7 110	7 664	7.8
A46	Flour of wheat or of meslin (million tonnes)	1 304	1 376	1 355	1 414	1 556	1 608	3.3
A47	Groats, meal and pellets of wheat ('000 tonnes)	n.a.	n.a.	n.a.	65 664	75 805	79 052	4.3
A48	Prepared foods from the swelling or roasting of cereals or cereal products ('000 tonnes)	119 372	102 970	100 311	99 964	100 791	109 813	9.0
A49	Other worked cereal grains ('000 tonnes)	n.a.	n.a.	n.a.	22 382	n.p.	p25 422	n.p.
A50	Frozen vegetables (tonnes)	n.a.	n.a.	n.a.	406 818	420 058	429 073	2.1
A51	Prepared or preserved tomatoes (tonnes)	n.a.	n.a.	n.a.	53 257	39 374	43 776	11.2
A52	Pickled vegetables (tonnes)	n.a.	n.a.	n.a.	8 742	8 603	9 390	9.1
A53	Fruit jellies, fruit puree and paste (tonnes)	n.a.	n.a.	n.a.	9 807	13 288	n.y.a.	n.y.a.
A54	Jams (tonnes)	n.a.	n.a.	n.a.	31 755	32 379	28 585	-11.7
A55	Prepared or preserved fruit (tonnes)	n.a.	n.a.	n.a.	159 516	161 736	166 447	2.9
A56	Orange juice ('000 litres)	n.a.	n.a.	n.a.	n.a.	88 047	70 643	-19.8
A57	Glucose and glucose syrup (tonnes)	79 832	81 846	89 275	93 901	94 531	97 126	2.7
A58	Margarine (tonnes)	n.a.	n.a.	n.a.	174 272	163 375	165 700	1.4
A59	Tomato ketchup and other tomato sauces (tonnes)	n.a.	n.a.	n.a.	36 128	32 710	30 469	-6.9
A60	Milk based food preparations (tonnes)	n.a.	n.a.	n.a.	27 647	27 537	29 053	5.5
A61	Aerated and still waters (whether or not flavoured or sweetened) (million litres)	n.a.	n.a.	n.a.	2 251	2 220	2 369	6.8

(a) Refer to the Clarification of terms from page 10 for important definitional information. For yarn, textile, footwear and other items A1-A17, see Table 2 of the June quarter 1998 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 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 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 DPIE 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 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).

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, 22 Silver and 23 Copper 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.

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 annually
- *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 from July 1998
- *Livestock Products, Australia* (Cat. no. 7215.0) issued quarterly from September quarter 1998
- *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 in December 1998
- *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 and non-audio compact discs
 beer
 brass bars, rods and sections
 cars and station wagons
 clay bricks
 clothes drying machines
 concrete bricks, blocks and pavers
 cotton broadwoven fabric
 cotton yarn
 domestic clothes washing machines
 domestic cooking stoves, ovens and ranges
 domestic deep-freezers
 domestic refrigerators
 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
 ready mixed concrete

EXPLANATORY NOTES *continued*

UNPUBLISHED STATISTICS *continued*

roofing tiles
space heaters
starches, wheat gluten and glucose
synthetic fibre yarn
textile floor coverings
unlaminated particle board
water heaters
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, including gas production for distribution via natural gas pipelines which service a single user.
A1–A12 Yarns and textiles A13–A15 Footwear A16 Paperboard containers A17 Superphosphates	Items A1–A17 included only in the June quarter 1998 issue of this publication.
A18 Men's complete suits	Chest measurement 86cm and over. Of woven fabric; with or without waistcoats. Includes six-way suits; excludes uniforms.
A19 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.
A20 Men's and boys' long trousers	Excludes suit trousers if part of 'complete suits', jeans and waterproof type.
A21 Men's and boys' shorts	Excludes swimshorts and boardshorts designed for swimwear.
A22 Men's and boys' shirts	Excludes sweatshirts and nightshirts.
A23 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.
A24 Women's and girls' long trousers	Includes overalls and slacks; excludes suit trousers if part of complete suits or ensembles, jeans and waterproof type.
A25 Women's shirts and blouses	Includes T-shirts and tank tops; excludes sweatshirts and workshirts.
A26–A27 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.
A28 Sleepwear	All sizes; of woven, knitted, or crocheted fabric.
A29 Knitted underwear	Includes crocheted. Excludes men's and boys' singlets, and all <i>fashion singlets</i> and T-shirts.
A30 Brassieres	Short and other.
A31 Men's and boys' swimwear	Knitted or woven. Includes boardshorts designed for swimwear.
A32 Women's and girls' swimwear	Knitted or woven.
A33 Long jeans	All sizes.

APPENDIX CLARIFICATION OF TERMS *continued*

A34 Knitted complete tracksuits	Knitted or crocheted. Includes sweatsuits, jogging suits, leisure suits and jump suits.
A35 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.
A36–A38 Knitted hosiery	Includes crocheted.
A39 Bacon and ham	Includes other dried, salted or smoked meat of swine.
A40 Canned meat	For human consumption. Comprises bacon, ham, corned beef, and mixed meat and vegetables.
A41 Cream	Of a fat content, by weight, exceeding 6%. Not concentrated or sweetened.
A42 Milk and cream in liquid form, either concentrated or sweetened	Includes skim milk.
A43 Yoghurt	Whether or not concentrated or containing added sugar or other sweetening matter or flavoured or containing added fruit or cocoa.
A44 Prepared or preserved abalone	Frozen, dried, salted, in brine, cooked, canned, bottled.
A45 Canned fish	Excludes canned pet food.
A46 Flour of wheat or of meslin	Excludes self-raising.
A47 Groats, meal and pellets of wheat	For human consumption.
A48 Prepared foods from the swelling or roasting of cereals or cereal products	For example, corn flakes, muesli.
A49 Other worked cereal grains	For example, hulled, pearled, clipped, sliced, kibbled, rolled, flaked or further prepared. For human consumption; excludes 'Cereals other than maize (corn) in grain forms, pre-cooked or otherwise prepared'.
A50 Frozen vegetables	Uncooked or cooked by steaming or boiling in water, or in oil. Includes mixtures of vegetables. Excludes those prepared or preserved with vinegar or acetic acid.
A51 Prepared or preserved tomatoes	Whole, in pieces, pulp, puree, or paste. Excludes those prepared or preserved with vinegar or acetic acid.
A52 Pickled vegetables	Cucumber, gherkins, olives, onions and other vegetables prepared or preserved by vinegar or acetic acid. Excludes pickles and chutney.
A53 Fruit jellies, fruit puree and paste	Cooked preparations. Includes apple sauce; excludes homogenised preparations.
A54 Jams	Includes conserves, fruit spreads, fruit butters.
A55 Prepared or preserved fruit	Excludes fruit provisionally preserved (e.g. by sulphur dioxide gas, in brine, in sulphur water or in other preservative solutions) or frozen. Excludes dried peel of citrus fruit or melons.

APPENDIX CLARIFICATION OF TERMS *continued*

A56 Orange juice	Includes concentrated, which is reported in terms of single strength.
A57 Glucose and glucose syrup	Glucose expressed as 43 degrees Baume. Includes dextrose.
A58 Margarine	Comprises table and other.
A59 Tomato ketchup and other tomato sauces	Excludes puree or paste.
A60 Milk based food preparations	Includes food preparations for infant use which may contain up to 10%, by weight, of cocoa powder.
A61 Aerated and still waters (whether or not flavoured or sweetened)	Includes mineral waters, bulk pre-mix and post mix concentrates. Excludes manufactured ice.

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