



# **MANUFACTURING PRODUCTION**

**AUSTRALIA**

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- For more information about these and related statistics, contact Joanne Madden on Sydney 02 9268 4219 or refer to the back cover of this publication.

## NOTES

### FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
December quarter 1999	18 February 2000
March quarter 2000	12 May 2000
June quarter 2000	11 August 2000



### 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. See also 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
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....		
		1997.....			1998.....			1999.....			prev. quarter	same quarter prev. year	
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep			
<b>1</b>	<b>Red meat</b> ('000 tonnes)												
	Original r	730	731	724	731	745	759	742	737	742	0.7	-0.3	
	Seasonally adjusted	731	726	736	722	746	755	754	729	746	2.3	-0.1	
	Trend	731	731	728	733	744	750	748	742	738	-0.5	-0.8	
<b>2</b>	<b>Chicken meat</b> ('000 tonnes)												
	Original	r128	139	138	139	143	142	141	r139	150	7.9	5.1	
	Seasonally adjusted	128	136	139	141	142	139	143	141	149	5.7	5.3	
	Trend	130	135	139	141	141	140	141	144	147	2.2	4.2	
<b>3</b>	<b>Cheese</b> (tonnes)												
	Original	63 692	100 634	79 433	56 203	r58 773	r107 770	r81 015	64 189	n.y.a.	-20.8	14.2	
	Seasonally adjusted	73 755	73 473	77 336	75 640	68 174	78 893	78 864	85 926	n.y.a.	9.0	13.6	
	Trend	74 726	75 287	74 932	73 930	73 327	75 800	80 355	84 708	n.y.a.	5.4	14.6	
<b>4</b>	<b>Butter</b> (tonnes)												
	Original	33 119	63 243	32 655	24 632	35 412	64 118	r45 259	30234	n.y.a.	-33.2	22.7	
	Seasonally adjusted	41 137	40 139	32 381	40 349	43 771	40 769	44 957	49 418	n.y.a.	9.9	22.5	
	Trend	39 063	40 027	40 350	40 739	41 573	42 991	45 144	47 572	n.y.a.	5.4	16.8	
<b>5</b>	<b>Beer</b> (megalitres)												
	Original	406	526	428	397	403	517	430	379	424	12.0	5.4	
	Seasonally adjusted	438	441	440	438	433	438	436	419	461	10.0	6.5	
	Trend	440	440	439	437	437	433	432	436	443	1.6	1.5	
<b>6</b>	<b>Tobacco and cigarettes</b> (tonnes)												
	Original	5 708	4 821	4 919	5 809	5 904	4 555	5 198	5 388	5 142	-4.6	-12.9	
	Seasonally adjusted	5 087	4 912	5 615	5 666	5 221	4 745	5 815	5 239	4 635	-11.5	-11.2	
	Trend	5 114	5 195	5 432	5 447	5 287	5 238	5 292	5 206	4 970	-4.5	-6.0	
<b>7</b>	<b>Newsprint</b> ('000 tonnes)												
	Original	104	96	100	102	105	100	95	100	92	-7.4	-11.7	
	Seasonally adjusted	104	98	101	100	103	102	96	98	90	-8.2	-11.9	
	Trend	102	101	100	101	102	101	98	95	93	-2.2	-8.4	
<b>8</b>	<b>Wood pulp</b> ('000 tonnes)												
	Original	233	250	235	240	225	223	209	214	212	-0.9	-5.5	
	Seasonally adjusted	239	247	237	235	230	221	211	210	217	3.6	-5.5	
	Trend	239	241	241	235	228	220	214	212	213	0.7	-6.4	
<b>9</b>	<b>Undressed sawn timber</b> ('000 m <sup>3</sup> )												
	Original	937	890	888	935	r929	845	r877	906	n.y.a.	3.3	-3.1	
	Seasonally adjusted	879	920	933	921	872	875	921	891	n.y.a.	-3.2	-3.2	
	Trend	893	919	925	909	889	887	896	906	n.y.a.	1.1	-0.4	
<b>10</b>	<b>Hardwood woodchips</b> ('000 tonnes)												
	Original	1 402	1 362	1 428	1 473	1 233	1 125	1 179	1 319	1 500	13.7	21.7	
	Seasonally adjusted	1 383	1 398	1 463	1 417	1 218	1 158	1 209	1 263	1 483	17.4	21.8	
	Trend	1 354	1 433	1 440	1 370	1 260	1 175	1 207	1 305	1 418	8.7	12.6	
<b>11</b>	<b>Automotive gasoline</b> (megalitres)												
	Original	4 622	4 745	4 430	4 795	4 632	4 455	4 679	4 939	n.y.a.	5.6	3.0	
	Seasonally adjusted	4 582	4 770	4 572	4 674	4 542	4 586	4 718	4 808	n.y.a.	1.9	2.9	
	Trend	4 628	4 666	4 659	4 609	4 577	4 621	4 696	4 775	n.y.a.	1.7	3.6	
<b>12</b>	<b>Fuel oil</b> (megalitres)												
	Original	460	416	412	385	422	429	377	407	n.y.a.	7.9	5.7	
	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	454	431	407	401	408	414	408	396	n.y.a.	-2.8	-1.3	
<b>13</b>	<b>Aviation turbine fuel</b> (megalitres)												
	Original	1 370	1 407	1 411	1 235	1 330	1 315	1 288	1 286	n.y.a.	-0.1	4.1	
	Seasonally adjusted	1 364	1 351	1 369	1 339	1 323	1 263	1 246	1 398	n.y.a.	12.2	4.4	
	Trend	1 354	1 358	1 360	1 343	1 309	1 276	1 263	1 265	n.y.a.	0.2	-5.8	
<b>14</b>	<b>Automotive diesel oil</b> (megalitres)												
	Original	3 186	3 392	3 323	3 282	3 059	3 324	3 194	3 391	n.y.a.	6.2	3.3	
	Seasonally adjusted	3 219	3 321	3 378	3 246	3 130	3 257	3 239	3 353	n.y.a.	3.5	3.3	
	Trend	3 274	3 301	3 315	3 258	3 198	3 212	3 270	3 318	n.y.a.	1.5	1.9	

(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.

No.	Item and unit/Series										Percentage changes between latest quarter shown and....		
		1997.....			1998.....			1999.....			prev. quarter	same quarter prev. year	
		Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep			
<b>15</b>	<b>Portland cement</b> ('000 tonnes)												
	Original	1 826	1 830	1 719	1 861	1 956	2 067	1 737	1 944	2 005	3.1	2.5	
	Seasonally adjusted	1 734	1 794	1 873	1 835	1 886	2 005	1 911	1 915	1 923	0.4	1.9	
	Trend	1 763	1 802	1 830	1 870	1 911	1 940	1 941	1 923	1 906	-0.9	-0.2	
<b>16</b>	<b>Clay bricks</b> (million)												
	Original	416	383	339	394	412	391	383	408	437	7.3	6.2	
	Seasonally adjusted	387	383	377	382	388	388	430	395	409	3.5	5.2	
	Trend	383	383	381	379	388	400	407	409	408	-0.3	5.1	
<b>17</b>	<b>Ready mixed concrete</b> ('000 m <sup>3</sup> )												
	Original	4 252	4 390	4 298	4 472	4 887	4 848	4 247	4 606	5 191	12.7	6.2	
	Seasonally adjusted	4 047	4 282	4 632	4 491	4 652	4 727	4 574	4 627	4 941	6.8	6.2	
	Trend	4 139	4 324	4 479	4 602	4 644	4 633	4 649	4 706	4 813	2.3	3.6	
<b>18</b>	<b>Basic iron, spiegeleisen and sponge iron</b> ('000 tonnes)												
	Original	1 966	2 025	1 950	1 987	1 951	1 834	1 841	1 827	1 972	8.0	1.1	
	Seasonally adjusted	1 934	2 035	1 994	1 987	1 898	1 862	1 864	1 825	1 937	6.1	2.1	
	Trend	1 955	2 002	2 009	1 969	1 914	1 866	1 852	1 867	1 895	1.5	-0.9	
<b>19</b>	<b>Blooms and slabs of iron or steel</b> ( '000 tonnes)												
	Original	2 108	2 075	2 083	2 090	2 024	1 890	1 864	1 900	2 056	8.2	1.6	
	Seasonally adjusted	2 052	2 093	2 113	2 098	1 969	1 910	1 889	1 906	1 999	4.9	1.6	
	Trend	2 044	2 093	2 111	2 068	1 990	1 915	1 899	1 925	1 963	2.0	-1.4	
<b>20</b>	<b>Alumina</b> ('000 tonnes)												
	Original	3 429	3 385	3 319	3 449	3 532	3 553	3 471	3 552	n.y.a.	2.3	3.0	
	Seasonally adjusted	3 356	3 404	3 367	3 429	3 516	3 539	3 556	3 530	n.y.a.	-0.7	3.0	
	Trend	3 365	3 377	3 395	3 438	3 497	3 537	3 547	3 544	n.y.a.	-0.1	3.1	
<b>21</b>	<b>Zinc</b> ('000 tonnes)												
	Original	73	78	74	79	81	78	79	85	n.y.a.	7.6	7.6	
	Seasonally adjusted	72	78	77	78	80	78	82	84	n.y.a.	2.4	7.6	
	Trend	75	75	77	78	78	80	81	83	n.y.a.	1.7	5.6	
<b>22</b>	<b>Silver</b> (tonnes)												
	Original	58	51	49	69	101	100	96	113	n.y.a.	17.7	63.8	
	Seasonally adjusted	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.y.a.	n.p.	n.p.	
	Trend	62	51	54	71	91	103	104	101	n.y.a.	-2.9	42.3	
<b>23</b>	<b>Copper</b> ('000 tonnes)												
	Original	75	60	71	80	61	73	77	102	n.y.a.	32.5	27.5	
	Seasonally adjusted	72	62	79	72	59	76	86	92	n.y.a.	7.0	26.8	
	Trend	68	71	71	69	68	74	84	93	n.y.a.	11.4	34.3	
<b>24</b>	<b>Lead</b> ('000 tonnes)												
	Original	50	46	46	43	r38	r44	53	62	n.y.a.	17.0	44.2	
	Seasonally adjusted	54	46	45	40	41	45	52	58	n.y.a.	12.2	44.0	
	Trend	52	48	44	41	41	46	51	56	n.y.a.	8.8	36.2	
<b>25</b>	<b>Tin</b> (tonnes)												
	Original	145	125	175	205	150	125	170	150	n.y.a.	-11.8	-26.8	
	Seasonally adjusted	158	140	167	185	162	142	161	130	n.y.a.	-19.1	-29.8	
	Trend	151	154	166	171	166	154	145	141	n.y.a.	-3.1	-17.6	
<b>26</b>	<b>Gold</b> (tonnes)												
	Original	85	92	83	89	131	106	96	86	n.y.a.	-10.4	-3.4	
	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(b)	85	87	87	88	93	97	96	92	n.y.a.	-3.7	5.0	
<b>27</b>	<b>Electricity</b> (million kWh)												
	Original	45 521	43 169	43 241	44 281	46 084	43 235	45 084	45 227	46 785	3.4	1.5	
	Seasonally adjusted	43 450	44 350	44 321	44 113	44 023	44 412	46 190	45 062	44 709	-0.8	1.6	
	Trend	43 530	44 122	44 287	44 096	44 228	44 828	45 284	45 301	45 015	-0.6	1.8	
<b>28</b>	<b>Gas</b> (petajoules)												
	Original	183	151	141	174	191	157	145	182	186	2.1	-2.6	
	Seasonally adjusted	158	163	166	164	165	169	170	171	161	-6.1	-2.6	
	Trend	161	162	164	165	166	169	170	168	165	-2.1	-0.9	

No.	Item and unit	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	Percentage change between latest year shown and prev. year
<b>Clothing ('000)</b>								
A18	Men's complete suits	199	213	190	r200	r175	139	-20.3
A19	Men's and boys' woven coats	652	589	537	r499	r473	367	-22.4
A20	Men's and boys' long trousers	3 666	3 792	3 476	r3 283	r3080	2 792	-9.4
A21	Men's and boys' shorts	4 861	3 757	2 425	1 933	1 646	1 517	-7.8
A22	Men's and boys' shirts	12 433	11 346	10 290	9 620	r8 761	8 730	-0.4
A23	Women's and girls' woven coats, blazers and jackets	495	486	488	506	410	469	14.6
A24	Women's and girls' long trousers	1 279	1 858	1 272	1 570	1 044	991	-5.1
A25	Women's shirts and blouses	4 823	4 676	3 704	5 007	4 144	3 697	-10.8
A26	Men's and boys' knitted cardigans, jumpers, sweatshirts and sloppy-joes	2 554	2 265	2 339	r2 001	1 523	1 451	-4.7
A27	Women's and girls' knitted cardigans, jumpers, sweatshirts and sloppy-joes	3 435	2 209	1 849	1 762	1 671	1 520	-9.1
A28	Sleepwear	2 077	n.p.	n.p.	n.p.	2 654	2 222	-16.0
A29	Knitted underwear (excl. men's and boys' singlets)	37 677	34 577	28 502	22 064	17 432	15 211	-12.7
A30	Brassieres	6 937	6 166	5 865	5 462	r4 434	n.p.	n.p.
A31	Men's and boys' swimwear	882	873	n.p.	605	613	494	-19.5
A32	Women's and girls' swimwear	2 162	2 559	2 462	2 223	1 259	1 258	-0.1
A33	Long jeans	3 658	3 239	3 299	2 949	2 936	2 605	-11.3
A34	Knitted complete tracksuits	1 011	216	374	300	r243	258	6.2
<b>Hosiery ('000 pairs)</b>								
A35	Pantyhose and tights	70 254	58 709	66 949	55 418	(a)48 268	43 030	-10.9
A36	Women's knitted other hosiery	n.a.	n.a.	n.a.	n.a.	19 847	19 000	-4.3
A37	Men's knitted hosiery	25 858	27 719	24 290	24 230	24 330	24 159	-0.7
A38	Children's knitted hosiery	10 179	10 246	8 862	9 939	10 160	8 993	-11.5
<b>Food(a)</b>								
A39	Bacon and ham (tonnes)	93 752	93 033	98 792	r118 356	r111 877	111 126	-0.7
A40	Canned meat (tonnes)	16 817	16 780	19 822	24 772	r18 319	16 140	-11.9
A41	Cream ('000 litres)	n.a.	n.a.	50 020	55 769	r47 819	50 858	6.4
A42	Milk and cream in liquid form, either concentrated or sweetened (tonnes) r	n.a.	n.a.	27 697	31 282	31 841	43 289	36.0
A43	Yoghurt (tonnes)	n.a.	n.a.	98 082	92 685	r91 550	87 869	-4.0
A44	Prepared or preserved abalone (tonnes)	n.a.	n.a.	1 907	r1 384	r1 607	(a)1 923	19.6
A45	Canned fish (tonnes)	n.a.	n.a.	7 155	7 110	r7 662	n.p.	n.p.
A46	Flour of wheat or of meslin ('000 tonnes)	1 376	1 355	1 414	1 556	r1 762	1 857	5.4
A47	Groats, meal and pellets of wheat ('000 tonnes)	n.a.	n.a.	65 664	r64 871	r68 257	n.p.	n.p.
A48	Prepared foods from the swelling or roasting of cereals or cereal products ('000 tonnes)	102 970	100 311	99 964	100 791	109 813	112 050	2.0
A49	Other worked cereal grains ('000 tonnes) r	n.a.	n.a.	46 294	56 853	52 926	56 294	6.4
A50	Frozen vegetables (tonnes)	n.a.	n.a.	406 818	420 058	r425 406	n.p.	n.p.
A51	Prepared or preserved tomatoes (tonnes)	n.a.	n.a.	53 257	r42 823	r45 682	47 735	4.5
A52	Pickled vegetables (tonnes) r	n.a.	n.a.	9 968	9 632	9 745	9 691	-0.6
A53	Fruit jellies, fruit puree and paste (tonnes)	n.a.	n.a.	9 807	13 288	19 529	19 093	-2.2
A54	Jams (tonnes)	n.a.	n.a.	31 755	32 379	28 585	30 243	5.8
A55	Prepared or preserved fruit (tonnes)	n.a.	n.a.	159 516	161 736	r162 709	172 377	5.9
A56	Orange juice ('000 litres)	n.a.	n.a.	n.a.	r194 582	r160 777	177 389	10.3
A57	Glucose and glucose syrup (tonnes)	81 846	89 275	93 901	94 531	97 126	104 219	7.3
A58	Margarine (tonnes)	n.a.	n.a.	174 272	163 375	165 700	160 157	-3.3
A59	Tomato ketchup and other tomato sauces (tonnes)	n.a.	n.a.	36 128	32 710	r30 421	34 169	12.3
A60	Milk based food preparations (tonnes)	n.a.	n.a.	27 647	27 537	r38 633	34 488	-10.7
A61	Aerated and still waters (whether or not flavoured or sweetened) (million litres)	n.a.	n.a.	2 251	2 220	r2 380	2 501	5.1

(a) Refer to the Clarification of terms from page 10 for important definitional information. Note that some food series have been significantly revised, after ABS data quality investigations. For yarn, textile, footwear and other items A1-A17, see Table 2 of the June quarter 1999 issue of this publication.

# 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 Australian Bureau of Statistics (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** 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 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 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 *Inventories 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 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 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
- *Livestock Products, Australia* (Cat. no. 7215.0) issued quarterly
- *Manufacturing, Australia* (Cat. no. 8225.0), issued annually, with the 1999 issue to be released on 16 December 1999
- *Manufacturing Industry, Australia, 1997-98* (Cat. no. 8221.0) released on 13 September 1999
- *Manufacturing Industry, Australia, Preliminary* (Cat. no. 8201.0) issued annually
- *Manufacturing Production, Australia: Commodities Produced* (Cat. no. 8365.0), issued annually, with the 1997-98 issue to be released on 16 December 1999
- *Inventories and Sales, Selected Industries, Australia* (Cat. no. 5629.0) issued quarterly

## OTHER PUBLISHED STATISTICS

**19** Some annual manufacturing production series which mainly relate to textiles, clothing, footwear and food are published in the June quarter and September quarter issues of this publication. Those annual series not included in this issue were most recently published in the June quarter 1999 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 or quarterly 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  
 clothes drying machines  
 concrete bricks, blocks and pavers  
 cotton broadwoven fabric  
 cotton yarn  
 domestic cooking stoves, ovens and ranges  
 domestic deep-freezers  
 domestic single-door 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)



## EXPLANATORY NOTES *continued*

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### UNPUBLISHED STATISTICS *continued*

plasterboard  
Portland cement and cement clinkers  
ready mixed concrete  
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 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 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

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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.
A1–A12	<b>Yarns and textiles</b>	Items A1–A17 included in the June quarter 1999 issue of this publication.
A13–A15	<b>Footwear</b>	
A16	<b>Paperboard containers</b>	
A17	<b>Superphosphates</b>	
A18	<b>Men's complete suits</b>	Chest measurement 86cm and over. Of woven fabric; with or without waistcoats. Includes six-way suits; excludes uniforms.
A19	<b>Men's and boys' woven coats</b>	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	<b>Men's and boys' long trousers</b>	Excludes suit trousers if part of 'complete suits', jeans and waterproof type.
A21	<b>Men's and boys' shorts</b>	Excludes swimshorts and boardshorts designed for swimwear.
A22	<b>Men's and boys' shirts</b>	Excludes sweatshirts and nightshirts.
A23	<b>Women's and girls' woven coats, blazers and jackets</b>	Excludes dustcoats, housecoats, parkas, other waterproof coats/jackets, and those which are part of complete suits or ensembles.
A24	<b>Women's and girls' long trousers</b>	Includes overalls and slacks; excludes suit trousers if part of complete suits or ensembles, jeans and waterproof type.
A25	<b>Women's shirts and blouses</b>	Includes T-shirts and tank tops; excludes sweatshirts and workshirts.
A26–A27	<b>Knitted cardigans, jumpers, sweatshirts and sloppy-joes</b>	Includes those of crocheted fabric. Includes sweaters, pullovers, twin sets, Rugby-style jumpers; excludes jackets for tracksuits, sweatsuits, jogging suits and leisure suits.
A28	<b>Sleepwear</b>	All sizes; of woven, knitted, or crocheted fabric.
A29	<b>Knitted underwear</b>	Includes crocheted. Excludes men's and boys' singlets, and all fashion singlets and T-shirts.
A30	<b>Brassieres</b>	Short and other.
A31	<b>Men's and boys' swimwear</b>	Knitted or woven. Includes boardshorts designed for swimwear.
A32	<b>Women's and girls' swimwear</b>	Knitted or woven.
A33	<b>Long jeans</b>	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. Commencing with 1998–99, there has been an improvement in coverage for abalone, which contributed approximately a 13% increase in the 1998–99 production level.
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, toasted muesli.
A49 Other worked cereal grains	For human consumption; for example, hulled, pearled, clipped, sliced, kibbled, rolled, flaked or further prepared cereal grains. Includes non-toasted muesli; 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 (frozen) potato chips, French fries and 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.

## APPENDIX CLARIFICATION OF TERMS *continued*

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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.
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.