



MANUFACTURING PRODUCTION

AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) FRI 10 NOV 2000

C O N T E N T S

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

NOTES

FORTHCOMING ISSUES

| ISSUE | RELEASE DATE |
|-----------------------|-----------------|
| December quarter 2000 | 9 February 2001 |
| March quarter 2001 | 11 May 2001 |
| June quarter 2001 | 10 August 2001 |

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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 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.

All 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 8).

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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.

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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

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

| | | | | | | | | | | | Percentage changes between latest quarter shown and.... | |
|-------|------------------------------------|--------|---------|--------|--------|--------|---------|---------|--------|--------|---|------------|
| | | | | | | | | | | | | same |
| | | | | | | | | | | | prev. | quarter |
| | | | | | | | | | | | quarter | prev. year |
| No. | Item and unit/Series | Sep | Dec | Mar | Jun | Sep | Dec | Mar | Jun | Sep | | |
| <hr/> | | | | | | | | | | | | |
| 1 | Red meat ('000 tonnes) | | | | | | | | | | | |
| | Original | 752 | 760 | 742 | 740 | 748 | 743 | 736 | 773 | 785 | 1.5 | 4.9 |
| | Seasonally adjusted | 750 | 758 | 754 | 732 | 747 | 741 | 747 | 766 | 785 | 2.5 | 5.1 |
| | Trend | 748 | 753 | 750 | 743 | 740 | 742 | 752 | 765 | 779 | 1.9 | 5.4 |
| 2 | Chicken meat ('000 tonnes) | | | | | | | | | | | |
| | Original | 143 | 142 | 141 | 139 | 142 | 151 | 150 | 149 | 152 | 1.6 | 7.2 |
| | Seasonally adjusted | 144 | 139 | 141 | 140 | 144 | 147 | 150 | 151 | 154 | 2.1 | 7.1 |
| | Trend | 141 | 141 | 140 | 141 | 144 | 147 | 150 | 152 | 154 | 1.3 | 6.8 |
| 3 | Cheese (tonnes) | | | | | | | | | | | |
| | Original | 60 452 | 109 952 | 82 893 | 66 220 | 74 672 | 111 662 | r93 705 | 74 226 | n.y.a. | -20.8 | 12.1 |
| | Seasonally adjusted | 70 039 | 81 684 | 80 310 | 86 808 | 86 792 | 83 190 | 90 649 | 96 968 | n.y.a. | 7.0 | 11.7 |
| | Trend | 74 542 | 77 709 | 82 574 | 85 141 | 85 287 | 86 899 | 90 195 | 94 508 | n.y.a. | 4.8 | 11.0 |
| 4 | Butter (tonnes) | | | | | | | | | | | |
| | Original | 35 532 | 64 426 | 45 358 | 30 353 | 38 016 | 66 838 | r42 535 | 32 070 | n.y.a. | -24.6 | 5.7 |
| | Seasonally adjusted | 42 874 | 41 647 | 45 325 | 48 647 | 45 630 | 43 348 | 42 560 | 51 173 | n.y.a. | 20.2 | 5.2 |
| | Trend | 41 340 | 43 284 | 45 537 | 46 759 | 45 556 | 44 233 | 45 134 | 47 659 | n.y.a. | 5.6 | 1.9 |
| 5 | Beer (megalitres) | | | | | | | | | | | |
| | Original | 403 | 517 | 430 | 379 | 424 | 521 | 409 | 390 | 414 | 6.2 | -2.5 |
| | Seasonally adjusted | 433 | 437 | 439 | 416 | 462 | 437 | 415 | 428 | 448 | 4.6 | -3.1 |
| | Trend | 437 | 433 | 433 | 438 | 441 | 435 | 429 | 429 | 437 | 2.0 | -0.7 |
| 6 | Tobacco and cigarettes (tonnes) | | | | | | | | | | | |
| | Original | 5 904 | 4 555 | 5 198 | 5 388 | 5 142 | 5 517 | 5 169 | 4 860 | 5 185 | 6.7 | 0.8 |
| | Seasonally adjusted | 5 295 | 4 774 | 5 622 | 5 287 | 4 709 | 5 738 | 5 538 | 4 774 | 4 771 | -0.1 | 1.3 |
| | Trend | 5 311 | 5 223 | 5 191 | 5 197 | 5 276 | 5 358 | 5 331 | 5 062 | 4 711 | -6.9 | -10.7 |
| 7 | Newsprint ('000 tonnes) | | | | | | | | | | | |
| | Original | 105 | 100 | 95 | 100 | 92 | 95 | 98 | 96 | 100 | 4.1 | 8.8 |
| | Seasonally adjusted | 102 | 102 | 96 | 99 | 90 | 98 | 96 | 96 | 100 | 4.1 | 10.9 |
| | Trend | 102 | 101 | 98 | 96 | 95 | 95 | 96 | 98 | 98 | 0.4 | 3.6 |
| 8 | Wood pulp ('000 tonnes) | | | | | | | | | | | |
| | Original | 225 | 223 | 209 | 214 | 212 | 212 | 221 | 216 | 226 | 4.6 | 6.6 |
| | Seasonally adjusted | 228 | 221 | 210 | 212 | 215 | 210 | 222 | 214 | 230 | 7.2 | 6.6 |
| | Trend | 228 | 220 | 214 | 211 | 213 | 214 | 217 | 221 | 225 | 1.8 | 5.5 |
| 9 | Undressed sawn timber ('000 m³) | | | | | | | | | | | |
| | Original | 927 | 876 | r888 | r914 | 1 032 | r936 | r954 | 992 | n.y.a. | 4.0 | 8.5 |
| | Seasonally adjusted | 872 | 904 | 928 | 903 | 972 | 966 | 996 | 981 | n.y.a. | -1.5 | 8.6 |
| | Trend | 899 | 897 | 911 | 931 | 952 | 974 | 986 | 987 | n.y.a. | 0.2 | 6.1 |
| 10 | Hardwood woodchips ('000 tonnes) | | | | | | | | | | | |
| | Original | 1 233 | 1 125 | 1 179 | 1 319 | 1 500 | 1 469 | 1 524 | 1 671 | 1 717 | 2.7 | 14.5 |
| | Seasonally adjusted | 1 206 | 1 162 | 1 206 | 1 274 | 1 471 | 1 520 | 1 559 | 1 610 | 1 686 | 4.7 | 14.6 |
| | Trend | 1 259 | 1 175 | 1 197 | 1 307 | 1 427 | 1 517 | 1 570 | 1 618 | 1 669 | 3.2 | 17.0 |
| 11 | Automotive gasoline (megalitres) | | | | | | | | | | | |
| | Original | 4 632 | 4 455 | 4 679 | 4 939 | 4 903 | 4 713 | 4 429 | 4 607 | n.y.a. | 4.0 | -6.7 |
| | Seasonally adjusted | 4 535 | 4 570 | 4 742 | 4 808 | 4 916 | 4 774 | 4 491 | 4 480 | n.y.a. | -0.2 | -6.8 |
| | Trend | 4 573 | 4 609 | 4 711 | 4 839 | 4 853 | 4 735 | 4 582 | 4 464 | n.y.a. | -2.6 | -7.8 |
| 12 | Fuel oil (megalitres) | | | | | | | | | | | |
| | Original | 422 | 429 | 377 | 407 | 350 | 486 | 539 | 464 | n.y.a. | -13.9 | 14.0 |
| | 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 | 409 | 413 | 397 | 380 | 406 | 459 | 499 | 512 | n.y.a. | 2.8 | 34.9 |
| 13 | Aviation turbine fuel (megalitres) | | | | | | | | | | | |
| | Original | 1 330 | 1 315 | 1 288 | 1 286 | 1 350 | 1 419 | 1 393 | 1 376 | n.y.a. | -1.2 | 7.0 |
| | Seasonally adjusted | 1 315 | 1 261 | 1 256 | 1 397 | 1 333 | 1 363 | 1 359 | 1 493 | n.y.a. | 9.8 | 6.9 |
| | Trend | 1 307 | 1 271 | 1 263 | 1 288 | 1 320 | 1 357 | 1 401 | 1 441 | n.y.a. | 2.9 | 11.9 |
| 14 | Automotive diesel oil (megalitres) | | | | | | | | | | | |
| | Original | 3 059 | 3 324 | 3 194 | 3 391 | 3 287 | 3 404 | r3 025 | 3 021 | n.y.a. | -0.1 | -10.9 |
| | Seasonally adjusted | 3 141 | 3 238 | 3 232 | 3 369 | 3 387 | 3 249 | 3 037 | 3 004 | n.y.a. | -1.1 | -10.8 |
| | Trend | 3 200 | 3 200 | 3 275 | 3 352 | 3 343 | 3 234 | 3 095 | 3 006 | n.y.a. | -2.9 | -10.3 |

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

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

| | | | | | | | | | | | Percentage changes between latest quarter shown and.... | | | | |
|-------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|-------------------------|-----------|--|--|
| | | | | | | | | | | | 1998..... | 1999..... | 2000..... | | |
| No. | Item and unit/Series | Sep | Dec | Mar | Jun | Sep | Dec | Mar | Jun | Sep | prev. quarter | same quarter prev. year | | | |
| | | | | | | | | | | | | | | | |
| 27 | Electricity (million kWh) | | | | | | | | | | | | | | |
| | Original | 46 084 | 43 235 | 45 084 | 45 227 | 46 785 | 44 591 | 46 040 | 47 374 | 49 387 | 4.2 | 5.6 | | | |
| | Seasonally adjusted | 44 155 | 44 400 | 46 054 | 45 043 | 44 866 | 45 783 | 47 006 | 47 191 | 47 383 | 0.4 | 5.6 | | | |
| | Trend(b) | 44 201 | 44 516 | 44 800 | 44 931 | 45 214 | 45 862 | 46 646 | 47 211 | 47 545 | 0.7 | 5.2 | | | |
| 28 | Gas (petajoules)(c) | | | | | | | | | | | | | | |
| | Original | 191 | 157 | 145 | 182 | 198 | 165 | 164 | 199 | 213 | 7.1 | 7.6 | | | |
| | Seasonally adjusted | 166 | 169 | 169 | 171 | 172 | 178 | 192 | 187 | 186 | -0.8 | 7.7 | | | |
| | Trend | 166 | 168 | 170 | 170 | 174 | 180 | 186 | 188 | 188 | — | 8.2 | | | |

(a) Users should note that seasonally adjusted and trend estimates shown have been revised, and should refer to paragraphs 12–15 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 | 1994-95 | 1995-96 | 1996-97 | 1997-98 | 1998-99 | 1999-2000 | |
| Clothing ('000) | | | | | | | | |
| A18 | Men's complete suits | 213 | 190 | 200 | 175 | 139 | 138 | -0.8 |
| A19 | Men's and boys' woven coats | 589 | 537 | 499 | 473 | 367 | 328 | -10.7 |
| A20 | Men's and boys' long trousers | 3 792 | 3 476 | 3 283 | r3 082 | 2 792 | 2 262 | -19.0 |
| A21 | Men's and boys' shorts | 3 757 | 2 425 | 1 933 | 1 646 | 1 517 | 1 103 | -27.3 |
| A22 | Men's and boys' shirts | 11 346 | 10 290 | 9 620 | 8 761 | r8 587 | 8 024 | -6.6 |
| A23 | Women's and girls' woven coats, blazers and jackets | 486 | 488 | 506 | 410 | 469 | 328 | -30.2 |
| A24 | Women's and girls' long trousers | 1 858 | 1 272 | 1 570 | 1 044 | 991 | 859 | -13.3 |
| A25 | Women's shirts and blouses | 4 676 | 3 704 | 5 007 | 4 144 | 3 697 | 3 387 | -8.4 |
| A26 | Men's and boys' knitted cardigans, jumpers, sweatshirts and sloppy-joes | 2 265 | 2 339 | 2 001 | 1 523 | r1 493 | 1 170 | -21.6 |
| A27 | Women's and girls' knitted cardigans, jumpers, sweatshirts and sloppy-joes | 2 209 | 1 849 | 1 762 | 1 671 | 1 520 | 1 086 | -28.6 |
| A28 | Sleepwear | n.p. | n.p. | n.p. | 2 654 | 2 222 | 2 195 | -1.2 |
| A29 | Knitted underwear (excl. men's and boys' singlets) | 34 577 | 28 502 | 22 064 | 17 432 | 15 211 | 13 130 | -13.7 |
| A30 | Brassieres | 6 166 | 5 865 | 5 462 | 4 434 | n.p. | 2 377 | n.p. |
| A31 | Men's and boys' swimwear | 873 | n.p. | 605 | 613 | r656 | 550 | -16.2 |
| A32 | Women's and girls' swimwear | 2 559 | 2 462 | 2 223 | r1 619 | r1 618 | 1 711 | 5.8 |
| A33 | Long jeans | 3 239 | 3 299 | 2 949 | 2 936 | 2 605 | 1 832 | -29.7 |
| A34 | Knitted complete tracksuits | 216 | 374 | 300 | 243 | 258 | 54 | -79.2 |
| Hosiery ('000 pairs) | | | | | | | | |
| A35 | Pantyhose and tights | 58 709 | 66 949 | 55 418 | (a)48 268 | 43 030 | 37 872 | -12.0 |
| A36 | Women's knitted other hosiery | n.a. | n.a. | n.a. | 19 847 | 19 000 | 19 119 | 0.6 |
| A37 | Men's knitted hosiery | 27 719 | 24 290 | 24 230 | 24 330 | 24 159 | 23 507 | -2.7 |
| A38 | Children's knitted hosiery | 10 246 | 8 862 | 9 939 | 10 160 | 8 993 | 7 854 | -12.7 |
| Food | | | | | | | | |
| A39 | Bacon and ham (tonnes) r | 93 033 | 98 792 | 102 841 | 95 494 | 96 636 | 90 567 | -6.3 |
| A40 | Canned meat (tonnes) | 16 780 | 19 822 | 24 772 | 18 319 | 16 140 | 20 783 | 28.8 |
| A41 | Cream ('000 litres) | n.a. | 50 020 | 55 769 | 47 819 | 50 858 | 52 662 | 3.5 |
| A42 | Milk and cream in liquid form, either concentrated or sweetened (tonnes) | n.a. | 27 697 | 31 282 | 31 841 | 43 289 | n.p. | n.p. |
| A43 | Yoghurt (tonnes) | n.a. | 98 082 | 92 685 | 91 550 | 87 869 | 82 124 | -6.5 |
| A44 | Prepared or preserved abalone (tonnes) | n.a. | 1 907 | 1 384 | 1 607 | (a)1 923 | n.a. | n.a. |
| A45 | Canned fish (tonnes) | n.a. | 7 155 | 7 110 | 7 662 | n.p. | n.a. | n.a. |
| A46 | Flour of wheat or of meslin ('000 tonnes) | 1 355 | 1 414 | 1 556 | 1 762 | 1 857 | n.a. | n.a. |
| A47 | Groats, meal and pellets of wheat ('000 tonnes) | n.a. | 65 664 | 64 871 | 68 257 | n.p. | n.a. | n.a. |
| A48&49 | Worked cereal grains ('000 tonnes) | n.a. | 146 258 | 157 644 | 162 739 | 168 344 | 172 398 | 2.9 |
| A50 | Frozen vegetables (tonnes) | n.a. | 406 818 | 420 058 | 425 406 | 407 284 | 420 975 | 3.4 |
| A51 | Prepared or preserved tomatoes (tonnes) | n.a. | 53 257 | 42 823 | 45 682 | 47 735 | 54 689 | 14.6 |
| A52 | Pickled vegetables (tonnes) | n.a. | 9 968 | 9 632 | 9 745 | 9 691 | n.a. | n.a. |
| A53 | Fruit jellies, fruit puree and paste (tonnes) | n.a. | 9 807 | 13 288 | 19 529 | 19 093 | n.a. | n.a. |
| A54 | Jams (tonnes) | n.a. | 31 755 | 32 379 | 28 585 | 30 243 | 29 993 | -0.8 |
| A55 | Prepared or preserved fruit (tonnes) | n.a. | 159 516 | 161 736 | 162 709 | 172 377 | 156 882 | -9.0 |
| A56 | Orange juice ('000 litres) | n.a. | n.a. | 194 582 | 160 777 | 177 389 | 185 165 | 4.4 |
| A57 | Glucose and glucose syrup (tonnes) | 89 275 | 93 901 | 94 531 | 97 126 | 104 219 | 96 570 | -7.3 |
| A58 | Margarine (tonnes) | n.a. | 174 272 | 163 375 | 165 700 | 160 157 | 153 010 | -4.5 |
| A59 | Tomato ketchup and other tomato sauces (tonnes) | n.a. | 36 128 | 32 710 | 30 421 | 34 169 | 37 670 | 10.2 |
| A60 | Milk based food preparations (tonnes) | n.a. | 27 647 | 27 537 | 38 633 | 34 488 | n.a. | n.a. |
| A61 | Aerated and still waters (whether or not flavoured or sweetened) (million litres) | n.a. | 2 251 | 2 220 | r2 380 | 2 501 | 2 488 | -1.0 |

(a) Refer to the Clarification of terms from page 12 for important definitional information. For yarn, textile, footwear and other items A1-A17, see Table 2 of the June quarter 2000 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 stocks are published quarterly in *Inventories and Sales, Selected Industries, Australia* (Cat. no. 5629.0). Information about the manufacturing sector's contribution to the Australian economy is published quarterly in *Australian National Accounts: National Income, Expenditure and Product* (Cat. no. 5206.0).

COMPARABILITY WITH OTHER ESTIMATES *continued*

11 Details from the annual manufacturing collection are published in *Manufacturing Industry, Australia* (Cat. no. 8221.0) and corresponding State publications.

SEASONALLY ADJUSTED AND TREND ESTIMATES

12 In the seasonal adjustment process, account has been taken not only of normal seasonal factors but also, where appropriate, of 'working day' effects (arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the quarter) which may, in successive years, affect figures for different quarters. Details of the methods used in seasonally adjusting these series are available on request.

13 Seasonal adjustment procedures do not aim to remove the irregular or non-seasonal influences which may be present in any particular quarter, such as the non-systematic effect of strikes, holiday shutdowns, providers' inconsistent reporting periods (where, for example, a 'quarter' may variously represent 13 or 14 weeks production), or other factors which vary with the prevailing demand for products. Irregular influences that are highly volatile can make it difficult to interpret the movement of the series even after seasonal adjustment. Seasonally adjusted estimates of production for the series 21 Zinc, 23 Copper and 25 Tin are more volatile than other series. Seasonally adjusted estimates for 12 Fuel oil and 22 Silver are not sufficiently reliable to be published, while those for 26 Gold do not exhibit sufficient seasonal behaviour to be published.

14 The smoothing of seasonally adjusted series to create trend estimates is a means of reducing the impact of the irregular component of the series. The trend estimates have been derived by applying a 7-term moving average to the quarterly seasonally adjusted series. The 7-term Henderson averages (like all Henderson averages) are symmetric but, as the end of a time series is approached, asymmetric forms of the average are applied. Unlike the weights of the standard 7-term Henderson moving average, the surrogate weights employed with the quarterly data have been tailored to suit the particular characteristics of individual series.

15 While the asymmetric weights enable trend estimates for recent quarters to be produced, it does result in revisions to the estimates for the most recent quarters as additional observations become available. Generally, subsequent revisions become smaller and after two quarters have little impact on the series. There will also be revisions as a result of changes to the original estimates and annual reviews of seasonal and 'working day' factors. Users should note that these factors have been reviewed in this issue for all series in Table 1.

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

ACKNOWLEDGEMENT

17 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PUBLICATIONS

- 18** Other ABS publications which may be of interest are:
- *Australian Mining Industry* (Cat. no. 8414.0) issued biennially
 - *Information Paper: Availability of Statistics Related to Manufacturing, 1997* (Cat. no. 8205.0), released on 16 January 1998
 - *Livestock and Meat, Australia* (Cat. no. 7218.0) issued monthly
 - *Livestock Products, Australia* (Cat. no. 7215.0) issued quarterly
 - *Manufacturing, Australia, 1999* (Cat. no. 8225.0) released on 16 December 1999
 - *Manufacturing Industry, Australia, 1998–99* (Cat. no. 8221.0) released on 22 September 2000
 - *Manufacturing Industry, Australia, Preliminary, 1999–2000* (Cat. no. 8201.0) to be released in March 2001
 - *Manufacturing Production, Australia: Commodities Produced, 1997–98* (Cat. no. 8365.0) released on 16 December 1999
 - *Mining Operations* (Cat. no. 8415.0) issued biennially

OTHER PUBLISHED STATISTICS

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

UNPUBLISHED STATISTICS

20 More detailed and other commodity items are collected by the ABS and are available to users as a special data service, as are monthly series for a limited number of the data items contained in this publication. Items for which additional production data are available are:

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

EXPLANATORY NOTES *continued*

UNPUBLISHED STATISTICS *continued*

water heaters
women's shirts and blouses
wool broadwoven fabric
wool yarn

For further information, please contact Denis Linney on Sydney 02 9268 4219.

CURRENT PUBLICATIONS

21 Current publications and other products produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists products to be released in the next few days. The Catalogue and Release Advice are available from any ABS office or by subscription, and can also be accessed through the ABS web site www.abs.gov.au.

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*

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|---|---|
| 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 are included in the June quarter issues 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 fashion singlets 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. |
| 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. |

APPENDIX CLARIFICATION OF TERMS *continued*

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|---|---|
| A36–A38 Knitted hosiery | Includes crocheted. |
| A39 Bacon and ham | Includes other dried, salted or smoked meat of swine. For 1999–2000, item clarified to include air-dried meats (e.g. prosciutto). |
| 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. For 1999–2000, this item has been clarified to exclude thickened cream. |
| A42 Milk and cream in liquid form, either concentrated or sweetened | Includes skim milk. For 1999–2000, item clarified to exclude flavoured milk drinks and modified milk (e.g. UHT, fat reduced, calcium enriched). |
| A43 Yoghurt | Whether or not concentrated or containing added sugar or other sweetening matter or flavoured or containing added fruit or cocoa. For 1999–2000, this item has been clarified to include yoghurt drinks. |
| 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. From 1999–2000, collection of this item has been discontinued. |
| A45 Canned fish | Excludes canned pet food. From 1999–2000, collection of this item has been discontinued. |
| A46 Flour of wheat or of meslin | Excludes self-raising. From 1999–2000, collection of this item has been discontinued. |
| A47 Groats, meal and pellets of wheat | For human consumption. From 1999–2000, collection of this item has been discontinued. |
| A48 & A49 Prepared cereal foods | Prepared foods from the swelling or roasting of cereals or cereal products (for example, corn flakes, toasted muesli) and other worked cereal grains (for example, hulled, pearled, clipped, sliced, kibbled, rolled, flaked or further prepared). Excludes snackfoods such as breakfast bars. |
| 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. For 1999–2000, this item includes production for further processing by other manufacturers. |
| A51 Prepared or preserved tomatoes | Whole, in pieces, pulp, puree, or paste. Excludes those prepared or preserved with vinegar or acetic acid. For 1999–2000, this item includes production for further processing by other manufacturers. |
| A52 Pickled vegetables | Cucumber, gherkins, olives, onions and other vegetables prepared or preserved by vinegar or acetic acid. Excludes pickles and chutney. From 1999–2000, collection of this item has been discontinued. |
| A53 Fruit jellies, fruit puree and paste | Cooked preparations. Includes apple sauce; excludes homogenised preparations. From 1999–2000, separate collection of this item has been discontinued, with fruit jellies now included in A55. |

APPENDIX CLARIFICATION OF TERMS *continued*

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| A54 Jams | Includes conserves, fruit spreads, fruit butters. For 1999–2000, this item includes production for further processing by other manufacturers. |
| 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. For 1999–2000, this item includes fruit jellies (previously collected as part of A53) and production for further processing by other manufacturers. |
| 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 spreads; excludes 'Dairy blends'. |
| A59 Tomato ketchup and other tomato sauces | Excludes puree or paste. For 1999–2000, this item includes production for further processing by other manufacturers. |
| A60 Milk based food preparations | Includes food preparations for infant use which may contain up to 10%, by weight, of cocoa powder. From 1999–2000, collection of this item has been discontinued. |
| A61 Aerated and still waters (whether or not flavoured or sweetened) | Includes mineral waters, bulk pre-mix and post mix concentrates. Excludes manufactured ice. For 1999–2000, this item has been clarified to exclude cordials. |

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