

# LIVESTOCK PRODUCTS

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) WED 17 NOV 2010

# KEY FIGURES

| STIMATES    | Sep Qtr 2009            | Jun Qtr 2010   | Sep Qtr 2010  |
|-------------|-------------------------|--|---|
|             | '000                    | '000   | '000  |
| ughtered(a) |                         |  |   |
| cl. calves) | 1 868                   | 1 867  | 1 908   |
|             | 223                     | 221  | 196   |
|             | 2 289                   | 1 546  | 1 479   |
|             | 5 087                   | 4 684  | 4 735   |
|             | 1 130                   | 1 154  | 1 170   |
|             | nya                     | nya  | nya   |
|             | ughtered(a) cl. calves) | '000 ughtered(a) cl. calves) 1 868 223 2 289 5 087 1 130 | rooo rooo rooo rooo ughtered(a) cl. calves) 1 868 1 867 223 221 2 289 1 546 5 087 4 684 1 130 1 154 |

nya not yet available

<sup>(</sup>a) A new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

| TREND     | ESTIMATES | Sep Qtr 2009<br>tonnes | Jun Qtr 2010<br>tonnes | Sep Qtr 2010<br>tonnes |
|-----------|-----------|------------------------|------------------------|------------------------|
| Meat      |           |                        |                        |                        |
| Produce   | d (       | a)                     |                        |                        |
| Beef      |           | 510 035                | 517 192                | 530 113                |
| Veal      |           | 10 773                 | 13 064                 | 11 125                 |
| Mutton    |           | 48 985                 | 35 000                 | 34 168                 |
| Lamb      |           | 105 562                | 100 839                | 101 797                |
| Pig mea   | at        | 81 424                 | 84 575                 | 86 434                 |
| Chicker   | n meat    | nya                    | nya                    | nya                    |
| Wool Rece | eivals    | 87 799                 | 85 518                 | 83 073                 |

nya not yet available

<sup>(</sup>a) A new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

|                                | Jun Qtr 2009 | Mar Qtr 2010 | Jun Qtr 2010 |
|--------------------------------|--------------|--------------|--------------|
|                                | ML           | ML           | ML           |
| Whole milk intake by factories | 2 305        | 2 269        | 2 340        |

## KEY POINTS

- The trend estimate for sheep slaughterings in the September quarter 2010 decreased 4% to 1.5 million.
- In the September quarter 2010, calf slaughterings fell 11%.
- The trend estimate for live sheep exports in the September quarter 2010 rose 67%.
- Exports of live cattle in the September quarter 2010 increased 18% to 217 thousand.

#### INQUIRIES

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070.

#### NOTES

FORTHCOMING ISSUES

ISSUE (Quarter) RELEASE DATE

December 2010 21 February 2011

INTRODUCTION

This publication presents statistics on livestock slaughterings, meat production, whole milk intake by factories, market milk sales by factories, receivals of taxable wool by brokers and dealers, exports of live sheep and cattle and exports of fresh, chilled, frozen and processed meat. It also includes seasonally adjusted and trend estimates of slaughtering, meat production, whole milk intake and wool receivals. More detailed information can be obtained by contacting the Australian Bureau of Statistics or by referring to the monthly publication *Livestock and Meat, Australia* (cat. no. 7218.0.55.001).

CHANGES IN THIS ISSUE

Final estimates of slaughter and production for poultry for the September quarter 2010 are not yet available. These data, including updated seasonally adjusted and trend estimates, will be published in the next issue.

As a result of a quality review of the Livestock collection, a new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

Wool estimates in this issue are based on a revised sampling frame, following a separate coverage exercise. Coverage exercises are undertaken on a regular basis to ensure the quality of estimates. Similar coverage exercises will be undertaken for the Livestock collection and Poultry and Game Birds collection prior to the release of estimates for the December quarter 2010. In the case of wool, updates to the sampling frame have had a negligible impact on associated time series.

CHANGES TO
FORTHCOMING ISSUES

Coverage exercises are underway to review the quality of the sampling frames for the Livestock collection and Poultry and Game Birds collection. This will also enable revision of the constant factor applied to account for production from small abattoirs. Updates to the sampling frames and constant will be applied prior to the release of the December quarter 2010 issue of *Livestock Products, Australia* (cat. no. 7215.0).

Further information, including details of associated impacts on time series, will be provided in the December quarter 2010 issue of *Livestock Products*, *Australia* (cat. no. 7215.0).

ABBREVIATIONS

'000 thousand

\$'000 thousand dollars

ABS Australian Bureau of Statistics

ML megalitre

t tonne

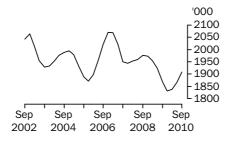
UHT ultra heat treated

Brian Pink

Australian Statistician

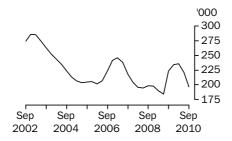
#### LIVESTOCK SLAUGHTERED TREND

CATTLE (EXCLUDING CALVES)



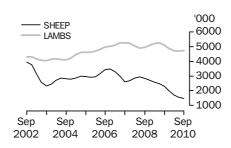
In the September quarter 2010, the number of cattle slaughtered (excluding calves) increased 2% to 1.9 million compared to the previous quarter.

CALVES



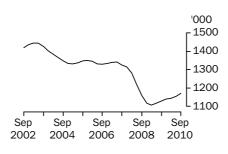
The number of calves slaughtered in the September quarter 2010 fell 11% to 196 thousand compared to the previous quarter.

SHEEP AND LAMBS



The number of sheep slaughtered in the September quarter 2010 decreased 4% to 1.5 million compared to the previous quarter. Lamb slaughterings increased 1% to 4.7 million.

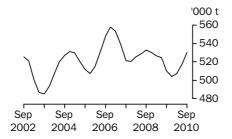
PIGS



Pig slaughterings in the September quarter 2010 increased marginally to 1.2 million.

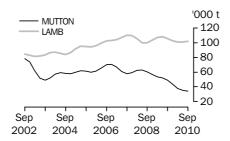
#### MEAT PRODUCTION TREND

BEEF



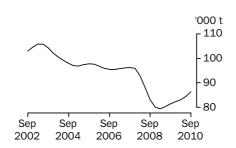
Beef production in the September quarter 2010 increased 2% to 530 thousand tonnes compared to the previous quarter.

MUTTON AND LAMB



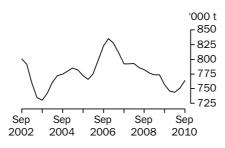
Mutton production in the September quarter 2010 decreased 2% to 34 thousand tonnes compared to the previous quarter. Lamb production increased 1% to 102 thousand tonnes.

PIG MEAT



In the September quarter 2010, pig meat production increased 2% compared to the previous quarter, to 86 thousand tonnes.

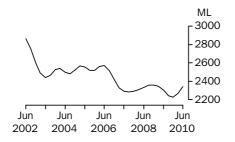
TOTAL RED MEAT



Total red meat production increased 2% compared to the previous quarter, to 764 thousand tonnes.

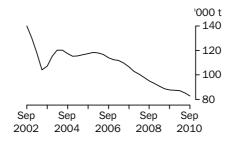
## LIVESTOCK PRODUCTS TREND

WHOLE MILK INTAKE BY FACTORIES



Whole milk intake by factories in the June quarter 2010 increased by 3% to 2,340 megalitres compared to the March quarter 2010.

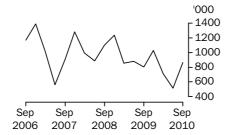
BROKERS AND DEALERS RECEIVALS OF TAXABLE WOOL



In the September quarter 2010, wool receivals by brokers and dealers decreased by 3% to 83 thousand tonnes compared to the June quarter.

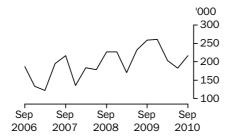
## LIVESTOCK EXPORTS ORIGINAL

EXPORTS OF LIVE SHEEP



Live sheep exports in the September quarter 2010 increased 67% to 863 thousand compared to the previous quarter.

EXPORTS OF LIVE CATTLE



Exports of live cattle in the September quarter 2010 increased 18% to 217 thousand compared to the previous quarter.

# LIST OF TABLES AND GRAPHS

|                             | page  |
|-----------------------------|---|
| OVERVIEW                    |   |
| 1                           | Livestock slaughtered, Australia                                |
| 2                           | Livestock products, Australia                                   |
| EXPORTS OF MEAT AND LIVE AN | IIMALS  |
| 3                           | Exports of fresh, chilled, frozen and processed meat, Australia |
| 4                           | Exports of live sheep and cattle, Australia                     |
| LIVESTOCK PRODUCTS          |   |
| 5                           | Whole milk intake by factories, by state                        |
| 6                           | Market milk sales by factories, by state                        |
| 7                           | Brokers and dealers receivals of taxable wool, by state         |

|                     | Bulls,      |             |               |             |               |               |             |
|---------------------|-------------|-------------|---------------|-------------|---------------|---------------|-------------|
|                     | bullocks    | Cows        | Cattle        |             |               |               |             |
|                     | and         | and         | (excluding    |             |               |               |             |
|                     | steers      | heifers     | calves)       | Calves      | Sheep         | Lambs         | Pigs        |
| Quarter             | '000        | '000        | '000          | '000        | '000          | '000          | '000        |
| • • • • • • • • • • | • • • • • • | • • • • • • | • • • • • • • | • • • • • • | • • • • • • • | • • • • • • • | • • • • • • |
|                     |             |             | ORIGIN        | I A L       |               |               |             |
| 2009                |             |             |               |             |               |               |             |
| June                | 930.8       | 1 033.5     | 1 964.2       | 190.2       | 2 233.2       | 5 057.4       | 1 146.8     |
| September           | 1 056.4     | 911.4       | 1 967.8       | 377.0       | 1 833.2       | 5 025.0       | 1 146.2     |
| December            | 981.1       | 790.6       | 1 771.7       | 159.4       | 2 382.1       | 5 193.9       | 1 151.0     |
| 2010                |             |             |               |             |               |               |             |
| March               | 908.1       | 824.1       | 1 732.2       | 139.0       | 1 895.7       | 4 525.9       | 1 090.4     |
| June                | 977.3       | 1 011.6     | 1 988.9       | 227.8       | 1 222.0       | 4 733.2       | 1 173.4     |
| September           | 1 025.7     | 886.4       | 1 912.1       | 308.3       | 1 351.9       | 4 411.2       | 1 201.3     |
| • • • • • • • • • • |             |             | • • • • • • • |             |               |               | • • • • • • |
|                     |             | SEAS        | ONALLY        | ADJUST      | ED            |               |             |
| 2009                |             |             |               |             |               |               |             |
| June                | 938.1       | 939.9       | 1 878.1       | 187.1       | 2 511.7       | 5 130.1       | 1 115.6     |
| September           | 1 020.8     | 918.5       | 1 939.3       | 216.6       | 2 262.2       | 5 301.2       | 1 133.7     |
| December            | 955.8       | 834.9       | 1 790.6       | 226.7       | 2 040.6       | 4 864.3       | 1 146.6     |
| 2010                |             |             |               |             |               |               |             |
| March               | 946.5       | 843.3       | 1 789.8       | 254.4       | 1 671.1       | 4 385.5       | 1 139.9     |
| June                | 998.9       | 936.8       | 1 935.7       | 224.0       | 1 380.0       | 4 965.5       | 1 142.6     |
| September           | 989.3       | 889.7       | 1 879.0       | 178.5       | 1 664.0       | 4 656.3       | 1 184.8     |
| • • • • • • • • • • |             |             | • • • • • • • |             |               | • • • • • • • | • • • • • • |
|                     |             |             | TREN          | D           |               |               |             |
| 2009                |             |             |               |             |               |               |             |
| June                | 979.9       | 944.5       | 1 924.4       | 183.9       | 2 470.1       | 5 257.6       | 1 116.7     |
| September           | 974.5       | 893.5       | 1 868.0       | 223.4       | 2 289.1       | 5 087.3       | 1 130.3     |
| December            | 969.1       | 862.9       | 1 832.0       | 234.3       | 1 975.1       | 4 865.3       | 1 139.2     |
| 2010                |             |             |               |             |               |               |             |
| March               | 969.3       | 867.8       | 1 837.2       | 235.4       | 1 705.8       | 4 712.3       | 1 144.0     |
| June                | 977.0       | 890.4       | 1 867.3       | 220.6       | 1 546.3       | 4 684.0       | 1 154.4     |
| September           | 994.1       | 914.3       | 1 908.3       | 196.3       | 1 479.0       | 4 735.2       | 1 170.0     |
|                     |             |             |               |             |               |               |             |

<sup>(</sup>a) Chicken data are not yet available and will be included in the next issue.

<sup>(</sup>b) For human consumption. Refer to the Explanatory Notes for further information.

<sup>(</sup>c) A new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

|                     |               |             |             |               |             |               |                         | Brokers<br>and |
|---------------------|---------------|-------------|-------------|---------------|-------------|---------------|-------------------------|----------------|
|                     | RED MEAT      | (c)         |             |               |             |               |                         | dealers        |
|                     |               |             |             |               |             |               | Whole milk              | receivals      |
|                     |               |             |             |               | Pig         | Total red     | intake by               | of taxable     |
|                     | Beef          | Veal        | Mutton      | Lamb          | meat        | meat          | factories(d)            | wool(e)        |
|                     | tonnes        | tonnes      | tonnes      | tonnes        | tonnes      | tonnes        | ML                      | tonnes         |
| • • • • • • • • • • | • • • • • • • | • • • • • • | • • • • • • | ORIGIN        | A L         | • • • • • • • | • • • • • • • • • • •   | • • • • • •    |
| 2009                |               |             |             |               |             |               |                         |                |
| June                | 525 273       | 6 973       | 44 581      | 104 899       | 83 159      | 764 885       | 1 797                   | 75 378         |
| September           | 540 227       | 16 758      | 40 076      | 102 163       | 83 912      | 783 136       | 2 252                   | 86 170         |
| December            | 489 129       | 11 044      | 54 068      | 107 978       | 81 294      | 743 513       | 2 849                   | 106 033        |
| 2010                | .00 120       |             | 0.000       | 20. 0.0       | 01 20 .     | 010           | 20.0                    | 100 000        |
| March               | 481 093       | 11 021      | 40 703      | 97 571        | 78 857      | 709 243       | 2 048                   | 89 339         |
| June                | 546 065       | 13 439      | 26 927      | 104 825       | 87 198      | 778 455       | 1 870                   | 71 195         |
| September           | 529 817       | 13 884      | 31 570      | 93 724        | 89 599      | 758 594       | nya                     | 83 176         |
|                     |               |             |             |               |             |               |                         |                |
|                     |               |             | SEASO       | NALLY A       | DJUSTE      | E D           |                         |                |
| 2009                |               |             |             |               |             |               |                         |                |
| June                | 507 195       | 7 002       | 52 394      | 104 490       | 80 025      | 751 108       | 2 316                   | 90 093         |
| September           | 534 299       | 11 405      | 49 277      | 109 704       | 82 174      | 786 860       | 2 250                   | 84 056         |
| December            | 492 005       | 13 364      | 44 237      | 101 745       | 82 681      | 734 032       | 2 184                   | 93 733         |
| 2010                |               |             |             |               |             |               |                         |                |
| March               | 493 476       | 15 235      | 36 912      | 97 178        | 82 461      | 725 262       | 2 231                   | 88 489         |
| June                | 536 057       | 13 775      | 31 778      | 104 571       | 84 000      | 770 180       | 2 414                   | 84 913         |
| September           | 523 230       | 9 439       | 37 953      | 100 617       | 87 614      | 758 852       | nya                     | 82 237         |
| • • • • • • • • • • | • • • • • • • | • • • • • • | • • • • • • | • • • • • • • | • • • • • • | • • • • • • • | • • • • • • • • • • • • | • • • • • •    |
|                     |               |             |             | TRENE         | )           |               |                         |                |
| 2009                |               |             |             |               |             |               |                         |                |
| June                | 524 492       | 8 413       | 52 069      | 108 137       | 80 308      | 773 418       | 2 305                   | 88 791         |
| September           | 510 035       | 10 773      | 48 985      | 105 562       | 81 424      | 756 778       | 2 242                   | 87 799         |
| December            | 504 097       | 13 571      | 43 105      | 102 723       | 82 337      | 745 833       | 2 227                   | 87 474         |
| 2010                |               |             |             |               |             |               |                         |                |
| March               | 507 425       | 14 275      | 37 883      | 101 050       | 83 127      | 743 761       | 2 269                   | 87 245         |
| June                | 517 192       | 13 064      | 35 000      | 100 839       | 84 575      | 750 669       | 2 340                   | 85 518         |
| September           | 530 113       | 11 125      | 34 168      | 101 797       | 86 434      | 763 637       | nya                     | 83 073         |
|                     |               |             |             |               |             |               |                         |                |

nya not yet available

Brokers

<sup>(</sup>a) Chicken data are not yet available and will be included in the next issue.

<sup>(</sup>b) A new methodology and revised definitions have been adopted for producing estimates of livestock slaughtering and meat production. For further details refer to the Explanatory Notes.

<sup>(</sup>c) Carcass weight excluding offal. Refer to the Explanatory Notes for further information.

<sup>(</sup>d) Original data sourced from Dairy Australia. Includes whole milk equivalent of farm cream intake.

<sup>(</sup>e) Taxable receivals only. Refer to the Explanatory Notes for further information.



# ${\tt EXPORTS~OF~FRESH,~CHILLED,~FROZEN~AND~PROCESSED~MEAT(a)(b),~Australia:~\textbf{Original}}$

|                     | FRESH, CHILLED OR FROZEN MEAT |                     |                 |                  |                   |                    |                 | PROCESS          |               |                        |                   |
|---------------------|-------------------------------|---------------------|-----------------|------------------|-------------------|--------------------|-----------------|------------------|---------------|------------------------|-------------------|
|                     | Beef<br>bone-in(c)            | Beef<br>bone-out(c) | Veal<br>bone-in | Veal<br>bone-out | Mutton<br>bone-in | Mutton<br>bone-out | Lamb<br>bone-in | Lamb<br>bone-out | Pork          | Bacon<br>and<br>ham(d) | Canned<br>meat(e) |
| Period              | tonnes                        | tonnes              | tonnes          | tonnes           | tonnes            | tonnes             | tonnes          | tonnes           | tonnes        | tonnes                 | tonnes            |
| • • • • • • • • • • | • • • • • • • •               | • • • • • • • • •   | • • • • • • •   | • • • • • • •    | • • • • • • • •   | • • • • • • •      | • • • • • • • • | • • • • • • •    | • • • • • • • | • • • • • • • • •      |                   |
| 2007-08             | 57 199                        | 917 494             | 3 704           | 5 049            | 119 496           | 43 827             | 134 101         | 32 499           | 39 138        | 772                    | 12 493            |
| 2008-09             | 47 925                        | 954 473             | 4 102           | 4 594            | 107 004           | 44 119             | 131 144         | 31 254           | 32 258        | 464                    | 12 852            |
| 2009–10             | r48 691                       | r882 969            | 4 667           | r3 546           | r85 058           | r31 503            | r125 195        | r34 819          | r29 961       | 167                    | r13 482           |
| 2009                |                               |                     |                 |                  |                   |                    |                 |                  |               |                        |                   |
| June                | 12 279                        | 241 498             | 1 069           | 839              | 25 174            | 9 561              | 33 688          | 8 275            | 7 666         | 32                     | 3 243             |
| September           | 11 958                        | 230 695             | 1 474           | 1 260            | 18 708            | 6 813              | 30 939          | 6 813            | 7 625         | 58                     | 3 482             |
| December            | 12 421                        | 226 420             | 1 226           | 1 023            | 27 768            | 10 416             | 38 124          | 9 455            | 7 222         | 57                     | 3 722             |
| 2010                |                               |                     |                 |                  |                   |                    |                 |                  |               |                        |                   |
| March               | 10 076                        | r177 693            | 609             | 582              | r23 202           | 7 183              | r25 392         | 7 315            | r7 155        | 32                     | r2 961            |
| June                | r14 237                       | r248 160            | r1 357          | r681             | r15 380           | r7 091             | r30 740         | r11 236          | r7 959        | 20                     | r3 317            |
| September           | 15 365                        | 238 435             | 2 536           | 485              | 14 965            | 6 485              | 29 926          | 8 415            | 9 015         | 28                     | 3 567             |

r revised

<sup>(</sup>a) Compiled from Australian Customs Service data. Refer to the Explanatory Notes for further information.

<sup>(</sup>b) Export data may be subject to revision.

<sup>(</sup>c) Includes buffalo meat.

<sup>(</sup>d) Cured carcass weight, and state net weight of packs of canned bacon and ham. Refer to the Explanatory Notes for further information.

<sup>(</sup>e) Canned meat excludes bacon and ham. Refer to the Explanatory Notes for further information.

|                     |               | Gross                                   | Gross           | Unit            |
|---------------------|---------------|---|-----------------|-----------------|
|                     | Number        | weight                                  | value           | value(b)        |
|                     |               | '000                                    |                 |                 |
| Period              | '000          | tonnes                                  | \$'000          | \$              |
|                     |               |   |                 |                 |
|                     |               | HEEP                                    | •••••           | • • • • • • • • |
|                     |               | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                 |                 |
| 2007-08             | 4 069.0       | 197.0                                   | 286 442         | 70.40           |
| 2008-09             | 4 063.9       | 199.0                                   | 339 083         | 83.44           |
| 2009–10             | 3 055.4       | 145.9                                   | 296 763         | 97.13           |
| 2009                |               |   |                 |                 |
| June                | 878.1         | 42.8                                    | 77 751          | 88.55           |
| September           | 801.8         | 38.7                                    | 76 827          | 95.82           |
| December            | 1 030.0       | 50.1                                    | 93 851          | 91.12           |
| 2010                |               |   |                 |                 |
| March               | 708.3         | 33.3                                    | 68 408          | 96.59           |
| June                | 515.3         | 23.9                                    | 57 677          | 111.93          |
| September           | 862.6         | 39.3                                    | 104 448         | 121.09          |
| • • • • • • • • • • | • • • • • • • | • • • • • •                             | • • • • • • • • | • • • • • •     |
|                     | С             | ATTLE                                   |                 |                 |
| 2007-08             | 713.3         | 241.2                                   | 450 511         | 631.63          |
| 2008-09             | 856.0         | 285.0                                   | 558 695         | 652.67          |
| 2009–10             | r905.5        | r310.2                                  | r601 209        | r663.95         |
| 2009                |               |   |                 |                 |
| June                | 231.8         | 80.5                                    | 141 817         | 611.80          |
| September           | 258.5         | 86.4                                    | 161 035         | 622.84          |
| December            | 260.7         | 90.8                                    | 172 174         | 660.37          |
| 2010                |               |   |                 |                 |
| March               | r203.1        | r69.5                                   | r147 857        | r727.97         |
| June                | r183.1        | r63.5                                   | r120 143        | r656.08         |
| September           | 216.6         | 71.0                                    | 148 338         | 684.88          |
|                     |               |   |                 |                 |

<sup>(</sup>a) Export data may be subject to revision.

<sup>(</sup>b) Gross value divided by the number of animals exported



|                   | New South<br>Wales(b) | Victoria          | Queensland      | South<br>Australia(c) | Western<br>Australia | Tasmania        | Australia         |
|-------------------|-----------------------|-------------------|-----------------|-----------------------|----------------------|-----------------|-------------------|
| Quarter           | ML                    | ML                | ML              | ML                    | ML                   | ML              | ML                |
| • • • • • • • • • | • • • • • • • • •     | • • • • • • • • • | • • • • • • • • | • • • • • • • •       | • • • • • • •        | • • • • • • • • | • • • • • • • • • |
|                   |                       |                   | ORIGI           | NAL                   |                      |                 |                   |
| 2009              |                       |                   |                 |                       |                      |                 |                   |
| March             | 251                   | 1 364             | 125             | 148                   | 78                   | 186             | 2 153             |
| June              | 247                   | 1 083             | 120             | 145                   | 77                   | 124             | 1 797             |
| September         | 283                   | 1 480             | 139             | 147                   | 84                   | 119             | 2 252             |
| December          | 294                   | 1 886             | 142             | 177                   | 101                  | 249             | 2 849             |
| 2010              |                       |                   |                 |                       |                      |                 |                   |
| March             | 253                   | 1 269             | 128             | 142                   | 82                   | 174             | 2 048             |
| June              | 244                   | 1 150             | 121             | 140                   | 83                   | 132             | 1 870             |
| • • • • • • • • • | • • • • • • • • •     | • • • • • • • • • | • • • • • • • • | • • • • • • • •       | • • • • • • • •      | • • • • • • • • | • • • • • • • • • |
|                   |                       | SE                | ASONALLY        | ADJUSTE               | )                    |                 |                   |
| 2009              |                       |                   |                 |                       |                      |                 |                   |
| March             | 268                   | 1 528             | 131             | 157                   | 87                   | 178             | 2 349             |
| June              | 272                   | 1 496             | 132             | 157                   | 83                   | 177             | 2 316             |
| September         | 274                   | 1 442             | 133             | 154                   | 83                   | 166             | 2 250             |
| December          | 262                   | 1 389             | 131             | 151                   | 88                   | 162             | 2 184             |
| 2010              |                       |                   |                 |                       |                      |                 |                   |
| March             | 270                   | 1 429             | 133             | 151                   | 90                   | 158             | 2 231             |
| June              | 269                   | 1 575             | 133             | 150                   | 90                   | 197             | 2 414             |
| • • • • • • • • • |                       | • • • • • • • • • | • • • • • • • • | • • • • • • • •       | • • • • • • • •      | • • • • • • • • | • • • • • • • • • |
|                   |                       |                   | TRE             | ND                    |                      |                 |                   |
| 2009              |                       |                   |                 |                       |                      |                 |                   |
| March             | 268                   | 1 527             | 130             | 157                   | 85                   | 177             | 2 345             |
| June              | 272                   | 1 488             | 132             | 156                   | 84                   | 174             | 2 305             |
| September         | 273                   | 1 433             | 132             | 154                   | 84                   | 166             | 2 242             |
| December          | 272                   | 1 420             | 132             | 152                   | 87                   | 163             | 2 227             |
| 2010              |                       |                   |                 |                       |                      |                 |                   |
| March             | 271                   | 1 456             | 133             | 151                   | 89                   | 170             | 2 269             |
| June              | 269                   | 1 516             | 133             | 150                   | 91                   | 181             | 2 340             |
|                   |                       |                   |                 |                       |                      |                 |                   |

<sup>(</sup>a) Includes whole milk equivalent of farn cream intake.Refer to the Explanatory Notes for further information.

<sup>(</sup>b) Includes data for the Australian Capital Territory.

<sup>(</sup>c) Includes data for the Northern Territory.

Source: Original series data from Dairy Australia.

|                     | New South<br>Wales(b) | Victoria        | Queensland      | South<br>Australia(c) | Western<br>Australia | Tasmania        | Australia       |
|---------------------|-----------------------|-----------------|-----------------|-----------------------|----------------------|-----------------|-----------------|
| Quarter             | ML                    | ML              | ML              | ML                    | ML                   | ML              | ML              |
| • • • • • • • • •   | • • • • • • • • •     | • • • • • • • • | • • • • • • • • | • • • • • • • • •     | • • • • • • • •      | • • • • • • • • | • • • • • • • • |
|                     |                       |                 | ORIGI           | NAL                   |                      |                 |                 |
| 2009                |                       |                 |                 |                       |                      |                 |                 |
| March               | 172                   | 131             | 127             | 51                    | 59                   | 14              | 553             |
| June                | 176                   | 136             | 128             | 53                    | 59                   | 14              | 567             |
| September           | 180                   | 141             | 132             | 55                    | 62                   | 14              | 583             |
| December            | 182                   | 134             | 125             | 55                    | 63                   | 14              | 572             |
| 2010                |                       |                 |                 |                       |                      |                 |                 |
| March               | 176                   | 133             | 124             | r53                   | 61                   | 14              | r559            |
| June                | 180                   | 138             | 123             | 54                    | 61                   | 14              | 571             |
| • • • • • • • • • • | • • • • • • • • •     | • • • • • • • • |                 |                       | • • • • • • • •      | • • • • • • • • | • • • • • • • • |
|                     |                       | SE              | ASONALLY        | ADJUSTED              | 1                    |                 |                 |
| 2009                |                       |                 |                 |                       |                      |                 |                 |
| March               | 175                   | 133             | 129             | 52                    | 60                   | 14              | 563             |
| June                | 175                   | 134             | 129             | 53                    | 60                   | 14              | 564             |
| September           | 176                   | 139             | 128             | 53                    | 61                   | 14              | 571             |
| December            | 184                   | 135             | 126             | 55                    | 62                   | 14              | 577             |
| 2010                |                       |                 |                 |                       |                      |                 |                 |
| March               | 178                   | 135             | 125             | 54                    | 62                   | 14              | 568             |
| June                | 178                   | 136             | 124             | 54                    | 62                   | 14              | 569             |
| • • • • • • • • • • | • • • • • • • • •     | • • • • • • • • | • • • • • • • • | • • • • • • • • •     | • • • • • • • •      | • • • • • • • • | • • • • • • • • |
|                     |                       |                 | TREI            | ND                    |                      |                 |                 |
| 2009                |                       |                 |                 |                       |                      |                 |                 |
| March               | 174                   | 134             | 128             | 52                    | 60                   | 14              | 562             |
| June                | 175                   | 134             | 129             | 53                    | 60                   | 14              | 565             |
| September           | 176                   | 135             | 128             | 54                    | 61                   | 14              | 567             |
| December            | 177                   | 135             | 126             | 54                    | 62                   | 14              | 569             |
| 2010                |                       |                 |                 |                       |                      |                 |                 |
| March               | 178                   | 135             | 125             | 54                    | 62                   | 14              | 569             |
| June                | 178                   | 136             | 124             | 54                    | 62                   | 14              | 569             |

<sup>(</sup>a) Includes white, flavoured, high and low fat milk and UHT milk. Refer to the Explanatory Notes for further Note: Source: Original series data from Dairy Australia. information.

<sup>(</sup>b) Includes data for the Australian Capital Territory.

## BROKERS AND DEALERS RECEIVALS OF TAXABLE WOOL(a): All series

|                     | New<br>South<br>Wales | Victoria        | Queensland        | South<br>Australia | Western<br>Australia | Tasmania        | Australia         | % of total<br>received<br>by<br>brokers |
|---------------------|-----------------------|-----------------|-------------------|--------------------|----------------------|-----------------|-------------------|---|
| Quarter             | tonnes                | tonnes          | tonnes            | tonnes             | tonnes               | tonnes          | tonnes            | %                                       |
|                     |                       |                 |                   | • • • • • • • • •  | • • • • • • • •      | • • • • • • • • |                   | • • • • •                               |
|                     |                       |                 | 0                 | RIGINAL            |                      |                 |                   |   |
| 2009                |                       |                 |                   |                    |                      |                 |                   |   |
| June                | 25 102                | 18 833          | 3 363             | 10 893             | 14 767               | 2 419           | 75 378            | 77.3                                    |
| September           | 32 534                | 19 880          | 3 072             | 12 344             | 15 585               | 2 756           | 86 170            | 82.5                                    |
| December            | 31 358                | 29 135          | 2 190             | 17 318             | 23 032               | 3 000           | 106 033           | 79.7                                    |
| 2010                |                       |                 |                   |                    |                      |                 |                   |   |
| March               | 26 688                | 21 369          | 1 212             | 12 572             | 25 572               | 1 925           | 89 339            | 77.8                                    |
| June                | 25 497                | 19 142          | 2 343             | 9 206              | 12 412               | 2 594           | 71 195            | 78.6                                    |
| September           | 28 546                | 19 860          | 2 237             | 12 494             | 16 993               | 3 046           | 83 176            | 80.8                                    |
| • • • • • • • • • • | • • • • • • •         | • • • • • • • • | • • • • • • • • • | • • • • • • • • •  | • • • • • • • •      | • • • • • • • • | • • • • • • • • • |   |
|                     |                       |                 | SEASON            | ALLY ADJUS         | STED                 |                 |                   |   |
| 2009                |                       |                 |                   |                    |                      |                 |                   |   |
| June                | 28 134                | 22 274          | 2 764             | 13 073             | 21 368               | 2 480           | 90 093            |   |
| September           | 28 615                | 21 749          | 2 477             | 11 473             | 17 263               | 2 478           | 84 056            |   |
| December            | 29 589                | 23 056          | 2 520             | 15 768             | 20 231               | 2 568           | 93 733            |   |
| 2010                |                       |                 |                   |                    |                      |                 |                   |   |
| March               | 29 262                | 21 966          | 1 803             | 12 535             | 20 304               | 2 618           | 88 489            |   |
| June                | 28 550                | 22 449          | 1 901             | 11 302             | 18 075               | 2 636           | 84 913            |   |
| September           | 25 233                | 21 903          | 1 850             | 11 658             | 18 902               | 2 692           | 82 237            |   |
|                     |                       |                 |                   |                    |                      |                 |                   |   |
|                     |                       |                 |                   | TREND              |                      |                 |                   |   |
| 2009                |                       |                 |                   |                    |                      |                 |                   |   |
| June                | 28 764                | 22 392          | 2 718             | 12 221             | 20 280               | 2 417           | 88 791            |   |
| September           | 28 830                | 22 353          | 2 582             | 11 966             | 19 560               | 2 507           | 87 799            |   |
| December            | 29 290                | 22 319          | 2 299             | 11 712             | 19 290               | 2 564           | 87 474            |   |
| 2010                |                       |                 |                   |                    |                      |                 |                   |   |
| March               | 29 076                | 22 383          | 2 039             | 11 728             | 19 412               | 2 608           | 87 245            |   |
| June                | 27 877                | 22 225          | 1 868             | 11 755             | 19 142               | 2 651           | 85 518            |   |
| September           | 26 475                | 21 993          | 1 794             | 11 637             | 18 504               | 2 670           | 83 073            |   |
|                     |                       |                 |                   |                    |                      |                 |                   |   |

<sup>..</sup> not applicable

<sup>(</sup>a) Taxable receivals only. Refer to the Explanatory Notes for further information.

#### **EXPLANATORY NOTES**

INTRODUCTION

- **1** This publication contains information on livestock slaughterings, meat production, exports of live sheep and cattle, exports of fresh, chilled, frozen and processed meat, whole milk intake by factories, market milk sales by factories and receivals of taxable wool by wool brokers and dealers.
- **2** At the time of publication, final estimates of slaughter and production for poultry for the September quarter 2010 were not yet available. These data, including updated seasonally adjusted and trend estimates, will be published in the next issue.
- **3** Data in this publication have been revised where necessary and as a consequence may not agree with similar data shown in previous publications.
- **4** Where figures have been rounded, discrepancies may occur between sums of the component items and totals.
- **5** Unless otherwise indicated, Australian totals include data for all states/territories.

LIVESTOCK SLAUGHTERINGS AND MEAT PRODUCTION

- **6** The statistics on slaughterings for red meat production are based on a monthly collection from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms, by country butchers and other small slaughtering establishments.
- 7 Livestock slaughter and meat production estimates published in previous editions of this publication (excluding chickens) included a small, stable component to represent the on-farm slaughter of livestock. Following a quality review of the Livestock Slaughtered collection and consultation with key users of these data, on-farm slaughter has now been removed. Historical data back to July 2007 have been revised for all series.
- **8** The quality review has also aligned the Livestock Slaughtered collection's calf and pig definitions to current industry standards.
- **9** The farm-kill and definitional changes, above, impact on livestock slaughtering and meat production estimates (excluding chickens) published in this and future editions of Livestock Products, Australia. Related estimates published in Livestock and Meat, Australia (cat. no. 7218.0.55.001) are also affected.
- **10** As a result of these changes, the livestock slaughter and meat production estimates included in this release cannot be directly compared to those published in previous editions. To assist users in accounting for the associated breaks in time series, historical estimates to June 2007 (excluding farm-kill) and to June 2009 (revised calf definitions) have been re-based. Additional time series data are available via the Downloads tab of this publication on the ABS website <a href="http://www.abs.gov.au">http://www.abs.gov.au</a>.
- **11** Further information on the new methodology and revised definitions may be obtained by contacting The Environment and Agriculture Business Statistics Centre, Australian Bureau of Statistics, GPO Box 66, Hobart TAS 7001. Alternatively, email <agriculture.statistics@abs.gov.au> or phone (03) 6222 5940.
- **12** Red meat is shown in carcass weight and excludes offal.
- **13** Care should be taken when using this information as the data only relate to slaughterings for human consumption and do not include animals condemned, slaughtered for pet food or those killed for boiling down.
- **14** Statistics for poultry slaughterings and chicken meat produced have been compiled from quarterly returns supplied by commercial poultry slaughtering establishments and comprise boilers, fryers and roasters. Many small producers are excluded from the collection; however, the statistics represent a high level of coverage.
- **15** Chicken meat is shown in dressed weight of whole birds, pieces and giblets.

#### **EXPLANATORY NOTES** continued

LIVESTOCK SLAUGHTERINGS AND MEAT PRODUCTION continued

EXPORTS OF FRESH, CHILLED, FROZEN AND PROCESSED MEAT

LIVE SHEEP AND CATTLE

MILK

WOOL RECEIVALS

SEASONAL ADJUSTMENT

- **16** Details about unpublished slaughterings and meat production statistics can be found in the Livestock Slaughtering Collection brief on the Australian Bureau of Statistics (ABS) website and also are available on request. Inquiries should be made to the *National Information and Referral Service* on 1300 135 070.
- 17 International trade statistics are compiled by the ABS from information submitted to the Australian Customs Service by exporters and importers or their agents. Factors are applied to beef, veal, mutton and lamb bone-out figures to calculate a derived bone-in carcass weight. The derived bone-in carcass weights are then added to bone-in figures to calculate total exports in carcass weight. The factor for beef and veal is 1.5 and for mutton and lamb, 2.0. This information is sourced from the Australian Department of Agriculture, Fisheries and Forestry.
- **18** Beef also includes buffalo meat.
- **19** Bacon and ham shown is the cured carcass weight of smoked or cooked bacon and ham. It also includes the stated net weight of packs of canned bacon and ham.
- 20 Canned meat is shown as the canned weight and excludes canned bacon and ham.
- **21** Sheep and cattle exported for breeding are excluded.
- **22** The unit value is obtained by dividing the gross value by the number of animals exported.
- **23** The graphs of livestock exports present quarterly original estimates for at least the last five years for the major commodities. These graphs highlight the major movements in the estimates over that period.
- **24** Milk data collected by Dairy Australia. Data for the latest quarter are not yet available.
- **25** Whole milk intake by factories includes the whole milk equivalent of farm cream intake.
- 26 Market sales includes white, flavoured, high and low fat milk and ultra heat treatment (UHT) milk. Interstate transfers of UHT milk have been included in their state of destination. UHT milk is milk that is heated to high temperatures to produce a milk which does not require refrigeration for a sustained period of time when unopened.
- **27** Wool receivals refers to the amount of taxable wool received by brokers and purchased by dealers from wool producers. It excludes wool received by brokers on which tax has already been paid by other dealers (private buyers) or brokers.
- **28** From the September quarter 2010, inclusive, an updated sampling frame was introduced in respect of the Wool Receivals, Purchases and Sales collection. The impact of this change on associated time series is negligible.
- **29** Data are based on the state in which wool has been received, and do not necessarily reflect the production of wool in that state.
- **30** Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences can be more clearly recognised.
- **31** In the seasonal adjustment of the livestock estimates, account has been taken of both normal seasonal factors and 'trading day' effects, where significant. Seasonal adjustment does not remove from the series the effect of irregular influences (e.g. abnormal weather, industrial disputes).
- **32** The state component series has been seasonally adjusted independently. Therefore, the adjusted components may not add to the Australian group totals.

#### **EXPLANATORY NOTES** continued

SEASONAL ADJUSTMENT continued

- **33** In this publication, the seasonally adjusted estimates are produced by the concurrent seasonal adjustment method which takes account of the latest available original estimates. This method improves the estimation of seasonal factors and, therefore, the seasonally adjusted and trend estimates for the current and previous months. As a result of this improvement, revisions to the seasonally adjusted and trend estimates will be observed for recent periods. A more detailed review is conducted annually prior to the September release, using data up to and including the August release.
- **34** For further information, see *Time Series Analysis Frequently Asked Questions*, *2003* (cat. no. 1346.0.55.002).
- **35** From September 2007, improved methods of producing seasonally adjusted estimates, focused on the application of Autoregressive Integrated Moving Average (ARIMA) modelling techniques, were implemented. The ARIMA modelling technique can be used to extend original estimates beyond the end of a time series.
- **36** For further information on ARIMA modelling, see the feature article '*Use of ARIMA modelling to reduce revisions*' in Australian Economic Indicators, Oct 2004 (cat. no. 1350.0).

TREND ESTIMATES

- **37** The graphs of livestock slaughtered, meat production and livestock products present quarterly trend estimates for at least the last five years for the major commodities. These graphs highlight the major movements in the estimates over that period.
- **38** A trend estimate is obtained by reducing the irregular component in the seasonally adjusted series. For quarterly data, trend estimates are derived by applying a 7-term Henderson moving average to the seasonally adjusted series. Revisions of trend estimates will also occur with revisions to the original data and re-estimation of seasonal factors.
- **39** The state component series has been adjusted independently. Therefore, the adjusted components may not add to the Australian group totals.
- **40** For further information, see *Information Paper: A Guide to Interpreting Time Series Monitoring Trends, 2003* (cat. no. 1349.0).

RELATED PUBLICATIONS

- **41** Other ABS publications containing livestock data include:
  - Agricultural Commodities, Australia (cat. no. 7121.0)
  - Agricultural Commodities: Small Area Data, Australia (cat. no. 7125.0)
  - Livestock and Meat, Australia (cat. no. 7218.0.55.001)
  - Value of Agricultural Commodities Produced, Australia (cat. no. 7503.0)
- **42** Current publications and other products released by the ABS are listed under the Statistics and Topics @ a Glance pages on the ABS website <a href="http://www.abs.gov.au">http://www.abs.gov.au</a>. The ABS also issues a daily Release Advice on the website which details products to be released in the week ahead.

GENERAL ACKNOWLEDGMENT

**43** 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*.

# FOR MORE INFORMATION

INTERNET

**www.abs.gov.au** the ABS website is the best place for data from our publications and information about the ABS.

#### INFORMATION AND REFERRAL SERVICE

Our consultants can help you access the full range of information published by the ABS that is available free of charge from our website. Information tailored to your needs can also be requested as a 'user pays' service. Specialists are on hand to help you with analytical or methodological advice.

PHONE 1300 135 070

EMAIL client.services@abs.gov.au

FAX 1300 135 211

POST Client Services, ABS, GPO Box 796, Sydney NSW 2001

# FREE ACCESS TO STATISTICS

All statistics on the ABS website can be downloaded free of charge.

WEB ADDRESS www.abs.gov.au

ISSN 0728-4047