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LIVESTOCK AND MEAT, AUSTRALIA - ELECTRONIC PUBLICATION AUSTRALIA

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INQUIRIES

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

NOTES

FORTHCOMING ISSUES

ISSUE

RELEASE DATE

| | |
|---------------|-----------------|
| October 2010 | 7 December 2010 |
| November 2010 | 17 January 2011 |
| December 2010 | 8 February 2011 |

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INTRODUCTION

This publication presents statistics on livestock slaughtering and meat production. These statistics are based on a monthly collection from abattoirs and other major slaughtering establishments. More detailed information on this series can be obtained by referring to the Australian Bureau of Statistics (ABS) quarterly publication, *Livestock Products, Australia* (cat. no. 7215.0).

Additional time series spreadsheets containing state/territory and national data are available from the Downloads tab for this publication. These spreadsheets contain original, seasonally adjusted and trend estimates for slaughtering and meat production for bulls, bullocks and steers, cows and heifers, cattle (excluding calves), calves, sheep, lambs and pigs.

The ABS welcomes any comments from readers regarding the usefulness, range and quality of the statistics presented in this publication. Comments can be forwarded to: 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 5939.

CHANGES IN FORTHCOMING ISSUES

As part of the ongoing quality review of the Livestock Collection, a coverage exercise has been undertaken to review the quality of the collection sample frame and enable revision of the constant factor (applied to account for production from small abattoirs). Updates to the sample frame and constant factor will be applied prior to the release of the October 2010 issue of *Livestock and Meat, Australia* (cat. no. 7218.0.55.001). Whilst such updates will assist in ensuring the quality of estimates from the October 2010 cycle onwards, these updates are anticipated to have a minor impact on the collection estimates.

Further information will be provided in the October 2010 issue of *Livestock and Meat, Australia* (cat. no. 7218.0.55.001).

INQUIRIES

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

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ABBREVIATIONS

ABS Australian Bureau of Statistics
excl. excluding
no. number
t tonne

Brian Pink
Australian Statistician

MAIN FEATURES

LIVESTOCK

- In September 2010, the trend estimate for cattle slaughterings fell, down 1% from August 2010 to 629 thousand.
- Calf slaughterings were down 4% from August 2010. Sustained falls over a number of months has seen calf slaughterings decline by 21% compared to September 2009.
- The trend estimate for sheep slaughterings in September 2010 increased to 536 thousand, a 3% rise from August 2010, but still down 25% from September 2009.
- Lamb slaughterings in September 2010 fell, down 2% from August 2010 and 11% from September 2009.
- In September, the trend estimate for pig slaughterings remained steady.

LIVESTOCK SLAUGHTERED, Australia—September 2010

| | <i>Original</i> | <i>Seasonally Adjusted</i> | <i>Trend</i> |
|-----------|-----------------|--------------------------------|--------------|
| | no. | no. | no. |
| Cattle(a) | 600 270 | 594 287 | 629 017 |
| Calves | 103 644 | 57 634 | 57 899 |
| Sheep | 556 060 | 551 297 | 535 663 |
| Lambs | 1 520 543 | 1 387 143 | 1 510 781 |
| Pigs | 404 034 | 391 686 | 396 230 |

(a) Excludes calves

MEAT

- In September 2010, the trend estimate for beef production fell by 1% from August 2010 to 174 thousand tonnes.
- Veal production fell by 7% from August 2010 and was down 22% from September 2009.
- The trend estimate for mutton production rose to 12 thousand tonnes, an increase of 3% from August 2010, but still down 19% from September 2009.
- In September 2010, production of lamb fell by 2% from August 2010 to 33 thousand tonnes. Lamb production was down 7% compared to September 2009.
- The trend estimate for production of pig meat remained steady.

MEAT PRODUCED, Australia—September 2010

| | <i>Original</i> | <i>Seasonally Adjusted</i> | <i>Trend</i> |
|----------|-----------------|--------------------------------|--------------|
| | t | t | t |
| Beef | 166 309 | 164 049 | 173 721 |
| Veal | 4 603 | 3 103 | 3 192 |
| Mutton | 13 076 | 12 698 | 12 447 |
| Lamb | 31 643 | 30 191 | 33 269 |
| Pig meat | 30 002 | 28 503 | 28 857 |

EXPLANATORY NOTES

INTRODUCTION

- 1** This publication contains information on livestock slaughterings and meat production.
- 2** 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 by country butchers and other small slaughtering establishments.
- 3** From July 2010, on-farm slaughter was no longer included in estimates of livestock slaughterings or meat production. Historical data back to July 2007 were revised for all series. Calf and pig definitions were also aligned to current industry standards.
- 4** Red meat is shown in carcass weight and excludes offal.
- 5** Care should be taken when using this information as the figures only relate to slaughterings for human consumption and do not include animals condemned, slaughtered for pet food or those killed for boiling down.
- 6** The figures in this publication have been rounded. As a result, discrepancies may occur between sums of the component items and totals.

SEASONAL ADJUSTMENT

- 7** 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.
- 8** 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).
- 9** As for the seasonally adjusted state components, the state component trend estimates have been produced independently and therefore may not add up to the Australian group totals.
- 10** 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.
- 11** For further information, see *Time Series Analysis Frequently Asked Questions, 2003* (cat. no. 1346.0.55.002).
- 12** 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.
- 13** 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

- 14** A trend estimate is obtained by reducing the irregular component from the seasonally adjusted series. For monthly data, trend estimates are derived by applying a 13-term Henderson moving average to the seasonally adjusted series. Revisions of trend estimates will occur with revisions to the original data and re-estimation of seasonal factors.
- 15** For further information, see *Information Paper: A Guide to Interpreting Time Series - Monitoring Trends, 2003* (cat. no. 1349.0).

EXPLANATORY NOTES *continued*

RELATED PUBLICATIONS

16 Current publications and other products released by the ABS are listed under the Statistics and Topics @ a Glance pages on the ABS website <<http://www.abs.gov.au>>. The ABS also issues a daily Release Advice on the website which details products to be released in the week ahead.

17 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 Products, Australia* (cat. no. 7215.0)
- *Value of Agricultural Commodities Produced, Australia* (cat. no. 7503.0)

GENERAL ACKNOWLEDGMENT

18 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*.

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PHONE

1300 135 070

EMAIL

client.services@abs.gov.au

FAX

1300 135 211

POST

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

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