



AUGUST 2014

7218.0.55.001

# LIVESTOCK AND MEAT, AUSTRALIA

---

EMBARGO: 11.30AM (CANBERRA TIME) WED 8 OCT 2014

## CONTENTS

	<i>page</i>
Notes .....	2
Main features .....	3

## ADDITIONAL INFORMATION

Explanatory notes .....	4
-------------------------	---

## INQUIRIES

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

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
September 2014	7 November 2014
October 2014	9 December 2014
November 2014	16 January 2015



## REVISIONS

Since the last issue of this publication, data for the following commodities have been revised:

- Cattle slaughter and meat production, New South Wales, for July 2014.

## INQUIRIES

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

## PRIVACY

For details about the ABS privacy policy see: <http://www.abs.gov.au/privacy>.



## ABBREVIATIONS

ABS Australian Bureau of Statistics  
ARIMA autoregressive integrated moving average  
no. number  
t tonne

Jonathan Palmer  
Australian Statistician

## MAIN FEATURES

### LIVESTOCK

Livestock slaughtering monthly trend movements for August 2014:

- The number of cattle slaughtered was 774,000 head, an increase of 1%
- The number of calves slaughtered was 55,000 head, a decrease of 2%
- The number of sheep slaughtered was 838,000 head, a decrease of 1%
- The number of lambs slaughtered was 1.8 million head, an increase of 1%
- The number of pigs slaughtered remained steady at 401,000 head

### LIVESTOCK SLAUGHTERED, AUSTRALIA, AUGUST 2014

	<i>Original</i>	<i>Seasonally Adjusted</i>	<i>Trend</i>
	no.	no.	no.
Cattle(a)	796 878	788 092	773 589
Calves	97 217	55 787	54 958
Sheep	691 185	843 167	837 923
Lambs	1 838 315	1 892 952	1 848 106
Pigs	391 721	402 131	400 526

(a) Excludes calves

### MEAT

Meat production monthly trend movements for August 2014:

- Beef production was 218,000 tonnes, an increase of 1%
- Veal production remained steady at 3,390 tonnes
- Mutton production remained steady at 19,800 tonnes
- Lamb production was 40,600 tonnes, an increase of 1%
- Pig meat production remained steady at 30,200 tonnes

### MEAT PRODUCED, AUSTRALIA, AUGUST 2014

	<i>Original</i>	<i>Seasonally Adjusted</i>	<i>Trend</i>
	t	t	t
Beef	220 488	217 875	217 762
Veal	4 402	3 553	3 390
Mutton	16 887	20 146	19 804
Lamb	40 459	41 973	40 580
Pig meat	30 037	30 420	30 237

## EXPLANATORY NOTES

### INTRODUCTION

- 1** This publication presents statistics on livestock slaughterings and meat production. These statistics 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. 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).
- 2** 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.
- 3** In October 2010, a coverage exercise was undertaken to refresh the sample frame used in the Livestock Slaughtered collection. The coverage exercise also enabled review of the constant factor applied to monthly slaughter and meat production estimates to account for the activities of small abattoirs. Together these activities serve to ensure the ongoing quality of estimates produced from this collection.
- 4** From October 2010, estimates of livestock slaughter and meat production included in this and the related publication, *Livestock Products, Australia* (cat. no. 7215.0) reflect sample frame revisions and updates to the constant arising from the coverage exercise.
- 5** These changes have had only a minor impact on estimates and on comparability of data over time.
- 6** Further information on the October 2010 coverage exercise and related impacts can be obtained by contacting the Rural Environment and Agriculture Statistics Branch on (03) 6222 5939.
- 7** Red meat is shown in carcass weight and excludes offal.
- 8** 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.
- 9** The figures in this publication have been rounded. As a result, discrepancies may occur between sums of the component items and totals.

### SEASONAL ADJUSTMENT

- 10** 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.
- 11** 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).
- 12** 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.
- 13** For further information, see *Time Series Analysis Frequently Asked Questions, 2003* (cat. no. 1346.0.55.002).
- 14** From September 2007, improved methods of producing seasonally adjusted estimates were implemented, focused on the application of Autoregressive Integrated Moving Average (ARIMA) modelling techniques. The ARIMA modelling technique can be used to extend original estimates beyond the end of a time series.

## EXPLANATORY NOTES *continued*

---

### SEASONAL ADJUSTMENT

*continued*

**15** 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

**16** 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.

**17** 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.

**18** For further information, see Information Paper: *A Guide to Interpreting Time Series - Monitoring Trends, 2003* (cat. no. 1349.0).

### RELATED PUBLICATIONS

**19** 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.

**20** Other ABS publications containing livestock data include:

- *Agricultural Commodities, Australia* (cat. no. 7121.0)
- *Livestock Products, Australia* (cat. no. 7215.0)
- *Value of Agricultural Commodities Produced, Australia* (cat. no. 7503.0)

### GENERAL ACKNOWLEDGMENT

**21** 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](mailto: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](http://www.abs.gov.au)