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7307.0

# **WHEAT USE AND STOCKS, AUSTRALIA**

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## **I N Q U I R I E S**

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>
August 2009	7 October 2009
September 2009	6 November 2009
October 2009	7 December 2009
November 2009	8 January 2010
December 2009	4 February 2010
January 2010	5 March 2010



### ABOUT THIS PUBLICATION

This publication provides estimates of wheat grain stocks and use for selected manufacturing and agricultural businesses, licensed exporters and bulk grain handlers. These estimates are compiled from various surveys conducted by the Australian Bureau of Statistics (ABS), including the Grain Handlers Stocks Survey, Wheat Use Survey, Wheat Export Sales Survey, and from administrative data relating to wheat grain exports. Estimates from the surveys are combined with export trade data to provide monthly estimates of the volume of wheat grain stored, used, or committed for use.

The Australian Bureau of Agricultural and Resource Economics (ABARE) uses these data to compile a monthly report on the Australian wheat industry.

The current scope and coverage of the collections is understood to account for the majority of Australia's wheat grain stored, used and committed. The scope and coverage of these collections may be expanded in the future, however, to account for a wider range of agricultural businesses.

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 Director, Environment and Agriculture Business Statistics Centre, Australian Bureau of Statistics, GPO Box 66, Hobart TAS 7001. Alternatively, email <adrian.bugg@abs.gov.au> or phone (03) 6222 5850.

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## SUMMARY OF FINDINGS

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### WHEAT GRAIN STORED

Total wheat grain stored by bulk grain handlers and users at the end of July 2009 was 6.2 million tonnes, a decrease of 1.2 million tonnes from June 2009.

At the end of July 2009, the amount of wheat grain stored by bulk grain handlers was 5.8 million tonnes, of which 4.5 million tonnes was graded for milling and 1.3 million tonnes was graded for feed.

Wheat grain stored by wheat grain users at the end of July 2009 decreased by 8% from June 2009 to 413 thousand tonnes.

### WHEAT GRAIN USED

The estimate of wheat grain used in July 2009 was 1.4 million tonnes, a decrease of 30% from last month.

Wheat grain exports in July 2009 decreased 584 thousand tonnes, to 1.1 million tonnes. The largest exporting state continued to be Western Australia ( 582 thousand tonnes) followed by New South Wales (283 thousand tonnes).

Domestic usage in July 2009 was 369 thousand tonnes, a decrease of 22 thousand tonnes from last month. Domestic use of wheat grain continued to be highest in New South Wales at 168 thousand tonnes.

Nationally, the total wheat grain used since the end of September 2008 was 16.4 million tonnes.

### WHEAT GRAIN COMMITTED

At 31 July 2009, there were 2.9 million tonnes of wheat grain committed for domestic use within Australia or for export. This represented a decrease of 21% from the June 2009 estimate of 3.6 million tonnes.

Of the total wheat grain committed in Australia, 2.2 million tonnes (76%) was contracted for export, and 690 thousand tonnes (24%) was contracted for domestic use.

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### WHEAT USE AND STOCKS

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## STOCKS OF WHEAT GRAIN STORED BY BULK GRAIN HANDLERS, AT MONTH ENDING

	WHEAT GRAIN STORED BY STATE						WHEAT GRAIN STORED BY GRADE(a)	
	NSW(b)	Vic. (c)	Qld	SA	WA	Aust.	Milling	Feed
	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t
<b>2008</b>								
30 September(d)	219	145	81	220	867	1 532	1 313	219
31 December	4 492	556	1 611	1 704	6 127	14 490	12 310	2 180
<b>2009</b>								
31 March(e)	3 685	466	1 327	1 151	4 838	11 467	8 918	2 549
30 April	3 412	447	1 286	879	4 084	10 108	7 799	2 309
31 May	3 036	378	1 139	671	3 502	8 726	6 778	1 948
30 June	2 548	302	973	519	2 656	6 998	5 416	1 582
31 July	2 108	260	874	511	2 065	5 818	4 503	1 315

(a) Wheat grain is graded by quality (refer to Glossary).

(b) Includes ACT.

(c) Includes Tasmania.

(d) The end of September is used to represent the closing stocks of wheat grain prior to the commencement of the next harvest period.

(e) From March, the Grain Handlers Stock Survey (GHSS) has been conducted on a monthly basis. Refer to paragraph 5 in the Explanatory Notes.

## STOCKS OF WHEAT GRAIN STORED BY USERS, AT MONTH ENDING (a)(b)

	NSW(c)	Vic.(d)	Qld	SA	WA	NT	Aust.
	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t
<b>2008</b>							
30 September	184.8	^ 116.3	^ 32.6	^ 54.2	^ 33.8	—	421.7
31 October	87.9	^ 52.7	^ 47.5	^ 39.6	^ 30.5	—	258.3
30 November	114.0	^ 46.0	90.3	34.8	^ 28.5	—	313.6
31 December	277.4	70.8	99.1	31.7	^ 32.9	—	511.9
<b>2009</b>							
31 January	^ 270.6	95.0	*109.7	^ 73.1	^ 80.3	—	^ 628.8
28 February	^ 289.6	101.9	^ 114.3	^ 65.0	^ 59.5	—	630.3
31 March	^ 286.3	98.5	^ 125.5	^ 50.2	^ 42.1	—	602.6
30 April	^ 249.6	97.1	^ 102.9	^ 54.2	^ 36.1	—	539.8
31 May	^ 241.0	95.6	^ 86.9	46.4	^ 27.0	—	496.9
30 June	^ 209.5	88.9	^ 81.9	43.5	24.1	—	447.8
31 July	^ 198.5	81.8	^ 63.2	50.8	18.5	—	412.8

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

\* estimate has a relative standard error of 25% to 50% and should be used with caution

— nil or rounded to zero (including null cells)

(a) This estimate excludes on-farm storage by other agricultural businesses. For more information refer to paragraph 8 in the Explanatory Notes.

(b) Not all users of wheat grain are included. For more information on scope and coverage, refer to the Explanatory Notes.

(c) Includes ACT.

(d) Includes Tasmania.

## WHEAT GRAIN USED, AT MONTH ENDING

	NSW(a)	Vic.	Qld	SA	WA	Tas.	NT	Aust.
	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t
EXPORTS								
2008								
31 October	10.4	26.4	20.9	52.3	410.5	—	—	520.5
30 November	30.3	12.9	22.4	20.7	410.6	—	—	496.9
31 December	94.5	94.8	76.6	271.0	622.7	—	—	1 159.5
2009								
31 January	228.1	44.9	92.9	132.7	764.0	—	—	1 262.7
28 February	268.7	58.4	82.2	229.2	669.5	—	—	1 308.0
31 March	323.6	195.0	164.1	268.6	1 044.3	—	—	1 995.5
30 April	r380.3	120.8	105.0	235.6	778.4	—	—	r1 620.2
31 May	r213.1	68.2	184.2	230.3	598.2	—	—	r1 294.1
30 June	r473.2	r88.8	r145.3	140.6	r792.6	—	—	r1 640.4
31 July	282.6	59.8	103.7	28.6	582.0	—	—	1 056.7
Total	2 304.7	770.1	997.4	1 609.5	6 672.9	—	—	12 354.5
DOMESTIC USE								
2008								
31 October	^ 204.9	^ 107.2	^ 44.3	^ 38.9	40.6	^ 4.4	—	440.3
30 November	182.4	103.7	48.9	39.2	44.7	^ 3.8	—	422.8
31 December	194.7	103.6	45.1	^ 35.4	31.8	^ 4.2	—	414.7
2009								
31 January	192.8	102.5	46.7	42.1	32.8	4.0	—	420.9
28 February	168.0	86.8	48.1	37.9	39.7	3.3	—	383.8
31 March	174.3	92.5	54.2	38.6	31.8	3.3	—	394.6
30 April	172.1	86.1	^ 60.0	37.8	29.1	3.6	—	388.7
31 May	175.5	83.2	54.1	45.0	33.0	2.7	—	393.3
30 June	171.8	91.0	57.1	37.2	30.6	2.6	—	390.5
31 July	167.8	83.0	53.3	36.2	25.4	2.9	—	368.6
Total	1 804.3	939.6	511.8	388.3	339.5	34.8	—	4 018.2
TOTAL								
2008								
31 October	^ 215.3	133.6	65.2	91.2	451.1	^ 4.4	—	960.8
30 November	212.7	116.6	71.3	59.9	455.3	^ 3.8	—	919.7
31 December	289.2	198.4	121.7	306.4	654.5	^ 4.2	—	1 574.2
2009								
31 January	420.9	147.4	139.6	174.8	796.8	4.0	—	1 683.6
28 February	436.7	145.2	130.3	267.1	709.2	3.3	—	1 691.8
31 March	497.9	287.5	218.3	307.2	1 076.1	3.3	—	2 390.1
30 April	r552.4	206.9	165.0	273.4	807.5	3.6	—	r2 008.9
31 May	r388.6	151.4	238.3	275.3	631.2	2.7	—	r1 687.4
30 June	r645.0	r179.8	r202.4	177.8	r823.2	2.6	—	r2 030.9
31 July	450.4	142.8	157.0	64.8	607.4	2.9	—	1 425.3
Total	4 109.0	1 709.8	1 509.2	1 997.8	7 012.3	34.8	—	16 372.7

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

— nil or rounded to zero (including null cells)

r revised

(a) Includes ACT.

## WHEAT GRAIN COMMITTED, AT MONTH ENDING(a)

	CONTRACTED FOR EXPORT, BY STATE OF ORIGIN(b)							CONTRACTED FOR DOMESTIC USE	TOTAL COMMITTED
	NSW(c)	Vic. (d)	Qld	SA	WA	NT	Aust.	Aust.	Aust.
	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t	'000 t
<b>2008</b>									
31 October	238.9	19.5	84.5	194.7	166.6	—	704.2	^ 1 023.7	1 727.9
30 November	^ 339.8	^ 25.5	^ 130.1	^ 223.3	^ 828.3	—	^ 1 547.0	1 286.8	^ 2 833.7
31 December	^ 358.9	^ 40.4	^ 156.5	^ 289.8	^ 1 164.3	—	^ 2 010.0	1 334.0	3 343.9
<b>2009</b>									
31 January	381.0	155.9	403.0	459.7	1 920.9	—	3 320.6	1 323.2	4 643.8
28 February	471.5	248.7	445.7	518.2	1 989.9	—	3 674.1	1 071.0	4 745.1
31 March	668.3	334.7	495.9	523.8	2 056.7	—	4 079.4	1 027.7	5 107.1
30 April	670.6	215.3	601.3	370.9	1 462.9	—	3 321.1	888.4	4 209.5
31 May	609.9	250.7	566.4	361.7	1 741.1	—	3 529.8	850.9	4 380.7
30 June	584.3	197.3	476.0	275.2	1 270.2	—	2 803.0	840.3	3 643.3
31 July	332.8	171.1	313.2	183.0	1 173.2	—	2 173.3	689.7	2 863.0

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

— nil or rounded to zero (including null cells)

(a) Wheat committed is wheat that is contracted for export or domestic use (refer to Glossary).

(b) State/Territory in which the wheat grain was located when purchased for export.

(c) Includes ACT.

(d) Includes Tasmania.



## EXPLANATORY NOTES

### INTRODUCTION

**1** This publication presents estimates from various Australian Bureau of Statistics (ABS) wheat surveys and from administrative data relating to wheat exports. The Australian Bureau of Agricultural and Resource Economics (ABARE) use the data in this publication to prepare a monthly report on the Australian wheat industry. This information will inform policy and decision making following the passage of the Wheat Export Marketing Bill on 1 July 2008.

### SCOPE AND COVERAGE

**2** Approximately 3,000 businesses were surveyed for the Wheat Use Coverage Survey. The sample comprised approximately 900 manufacturers and 2,100 animal feedlot operators. Responses from these businesses indicated that many of them were not direct users of wheat grain and they were consequently made out of scope of the collection. Subsequent (monthly) Wheat Use Surveys have been based on a sample of over 1,000 businesses using feedback from the Wheat Use Coverage Survey (WUSC).

**3** Estimates in this publication are based on information obtained from the following ABS surveys:

- Grain (Wheat) Handlers Stocks Survey (GHSS) – Monthly
- Wheat Use Survey (WUSC) – Annual Coverage
- Wheat Use Survey (WUS) – Monthly
- Wheat Export Sales Survey (WESS) – Monthly

**4** The data on wheat grain exported were compiled by the Australian Bureau of Statistics from information submitted by exporters or their agents to the Australian Customs Service. These data may be subject to revision.

**5** The coverage of the Grain (Wheat) Handlers Stocks Survey (GHSS) was all major bulk grain handlers. The GHSS was previously conducted on a quarterly basis. From March 2009, the GHSS will be collected and published on a monthly basis.

**6** The scope of the Wheat Use Survey (WUS) was agricultural businesses, and manufacturing businesses using wheat grain, recorded on the ABS' Business Register (ABSBR). The ABSBR is sourced from the Australian Business Register (ABR) which is administered and maintained by the Australian Taxation Office (ATO).

**7** For agricultural businesses, a minimum size cut-off of \$5,000 was applied to determine whether a business was in-scope for the WUS. The measure of size was based on the ABS' Estimated Value of Agricultural Operations (EVAO) where available; or where it was not available, a Business Activity Statement (BAS) turnover size was derived.

**8** The coverage of the WUS (both annual and monthly) included animal feedlot operators and manufacturing businesses using wheat grain. The Australian and New Zealand Standard Industrial Classification 2006 (ANZSIC06) was used to identify these businesses on the ABSBR, and the following ANZSIC06 codes were used:

- Animal feedlot operators
  - 0143 – beef cattle feedlots (specialised)
  - 0171 – poultry farming (meat)
  - 0172 – poultry farming (eggs)
  - 0192 – pig farming
- Manufacturers using wheat grain
  - 1161 – grain mill product manufacturing
  - 1162 – cereal, pasta and baking mix manufacturing
  - 1192 – prepared animal and bird feed manufacturing
  - 1812 – basic organic chemical manufacturing

**9** Additionally, businesses reporting beef cattle feedlot activity in the 2005-06 Agricultural Census or 2006-07 Agricultural Survey were included in the coverage for the WUS.

## EXPLANATORY NOTES *continued*

### SCOPE AND COVERAGE

*continued*

**10** Data compiled from the WUS exclude on-farm storage and use, apart from animal feedlot operators and manufacturing businesses as defined above. Coverage of agricultural businesses is expected to be expanded during 2009 and will provide additional information about on-farm storage and use.

**11** The coverage of the Wheat Export Sales Survey (WESS) included businesses reporting wheat grain exports on documentation lodged with the Australian Customs Service and units on the Department of Agriculture, Fisheries and Forestry (DAFF) Wheat Export Charge (WEC) levy register.

### RELIABILITY OF ESTIMATES

**12** Sample sizes for both the Grain (Wheat) Handlers Stocks Survey and Wheat Export Sales Survey were smaller than the sample size for the Wheat Use Survey, with the major grain handlers and approximately 50 major wheat exporters being surveyed.

**13** A minimum response rate of at least 90% is generally achieved for the monthly wheat collections.

**14** Some of the estimates in this publication are based on information obtained from samples drawn from the total business population in scope of these collections. As such, estimates are subject to sampling variability; that is, they may differ from the figures that would have been produced if all businesses had been included in the surveys. One measure of the likely difference is given by the standard error (SE) which indicates the extent to which an estimate might vary by chance because only a sample was taken. There are about two chances in three that a 'sample' estimate will differ by less than one SE from the figure that would have been obtained if all businesses had responded, and about nineteen chances in twenty that the difference will be less than two SEs.

**15** In this publication, 'sampling' variability of the estimates is measured by the relative standard error (RSE) which is obtained by expressing the SE as a percentage of the estimate to which it refers.

**16** Most published national estimates have RSEs of less than 10%. However some state estimates have RSEs greater than 10%. Estimates that have an estimated RSE between 10% and 25% are annotated with the symbol '^'. These estimates should be used with caution as they are subject to sampling variability too high for some purposes. Estimates with an RSE between 25% and 50% are annotated with the symbol '\*', indicating that the estimate should be used with caution as it is subject to sampling variability too high for most practical purposes. Estimates with an RSE greater than 50% are annotated with the symbol '\*\*' indicating that the sampling variability causes the estimates to be considered too unreliable for general use. Separate indication of the RSEs of all estimates is available on request.

### GENERAL

**17** Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

### ABS DATA AVAILABLE ON REQUEST

**18** Not all data from these surveys are published here. As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.

### GENERAL ACKNOWLEDGMENT

**19** 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*.

## EXPLANATORY NOTES *continued*

### RELATED PUBLICATIONS

- 20** Additional information relating to grain stocks, including quality, is published in:
- *Stocks of Grain Held by Bulk Handling Companies and Grain Traders*, Australia, cat. no. 7122.0.55.001.
- 21** A range of other publications relevant to the Agriculture sector are produced by the ABS, including:
- *Agricultural Commodities, Australia*, cat. no. 7121.0
  - *Principal Agricultural Commodities, Australia, Preliminary*, cat. no. 7111.0
  - *Value of Agricultural Commodities Produced Australia*, cat. no. 7503.0
  - *Livestock and Meat, Australia*, cat. no. 7218.0.55.001
  - *Livestock Products, Australia*, cat. no. 7215.0
- 22** Detailed merchandise exports data are available by contacting the National Information and Referral Service. Value and quantity data can be produced according to a number of commodity classifications, with information available by state/territory of origin, and country of destination.
- 23** Current publications and other products released by the ABS are listed under the Statistics and Themes 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.

### ABBREVIATIONS

'000 t	thousand tonnes
ABARE	Australian Bureau of Agricultural and Resource Economics
ABN	Australian Business Number
ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
ANZSIC	Australian and New Zealand Standard Industrial Classification
AS	Agricultural Survey
ATO	Australian Taxation Office
Aust.	Australia
cat. no.	Catalogue number
EVAO	Estimated Value of Agricultural Operations
NSW	New South Wales
NT	Northern Territory
Qld	Queensland
RSE	relative standard error
SA	South Australia
Tas.	Tasmania
Vic.	Victoria
WA	Western Australia

## GLOSSARY

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<b>Wheat grain users</b>	Users include beef cattle feedlots, poultry, and pig producers and manufacturers using wheat grain. (For more information refer to the Explanatory Notes).
<b>Wheat grain used</b>	<p>For the <i>export</i> sector, 'used' means wheat exported from the country. It is assumed that wheat grain, once exported, cannot be re-imported without breaching quarantine rules and so is 'used' once it leaves the country.</p> <p>For the <i>domestic</i> sector, 'used' means consumed by end users, whether they be flour millers, feedlotters, etc. In this context, 'used' means wheat grain no longer available in its harvested form for other users to buy or use i.e. it has been transformed (e.g. to flour) or consumed (e.g. fed to animals).</p>
<b>Wheat grain committed</b>	<p>For the <i>export</i> sector 'committed' means there is a contract in place for the export of wheat grain.</p> <p>For the <i>domestic</i> sector 'committed' means a contract is in place to procure wheat grain for domestic use and/or processing. It does not mean an intention to acquire wheat grain over the remainder of the year. It is acknowledged that this may fluctuate as contracts are cancelled, but is a 'point in time' estimate. It relates to contracts held by end users of wheat grain, not intermediaries.</p>
<b>Wheat grade</b>	Wheat grain is graded by quality to determine whether it is suitable for human or animal consumption. The wheat grain classification in <i>Wheat Use and Stocks, Australia</i> (cat. no. 7307.0) are milling and feed.







## 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.

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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.

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