

# 2004 - 05

VALUE OF



AUSTRALIA PRELIMINARY

7501.0

EMBARGO: 11.30AM (CANBERRA TIME) FRI 3 FEB 2006

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### INQUIRIES

For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Geoff Ellerton on Hobart (03) 6222 5856.

# NOTES

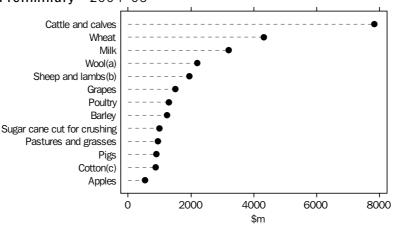
ABOUT THIS PUBLICATION	This publication contains preliminary information on the gross values of production principal agricultural commodities for all states, territories and Australia. The final estimates will be released in September 2006.	i for
ABBREVIATIONS	\$m million dollars	
	ABS Australian Bureau of Statistics	
	ACT Australian Capital Territory	
	AS Agricultural Survey	
	Aust. Australia	
	NSW New South Wales	
	NT Northern Territory	
	Qld Queensland	
	RSE relative standard error	
	SA South Australia	
	SE standard error	
	Tas. Tasmania	
	Vic. Victoria	
	WA Western Australia	

Dennis Trewin Australian Statistician

### SUMMARY OF FINDINGS

#### NATIONAL ESTIMATES

In 2004–05, the preliminary estimate of the gross value of agricultural commodities produced fell by \$1.3 billion (4%) to \$35.6 billion. While the gross value of livestock slaughterings and other disposals and livestock products both increased, these were more than offset by a significant reduction in the gross value of crops.



GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED: Preliminary-2004-05

(a) Includes value of dead wool and wool on skins. (b) Excludes value of wool on skins.

(c) Includes value of cotton lint and cotton seed.

In 2004–05, the preliminary estimate of the gross value of crops decreased by 13% to \$17.8 billion. Decreases in gross values were recorded for all major cereal crops except grain sorghum: wheat for grain fell by 23% to \$4.3 billion; barley for grain fell by 29% to \$1.2 billion; oats for grain fell by 40% to \$167 million; and rice for grain fell by 47% to \$96 million. These decreases were due to lower average prices coupled with unfavourable conditions leading to falls in production compared with the previous year. The gross value of grain sorghum rose by 3% to \$328 million, with a decrease in price being more than offset by increased production.

Decreases were reported in the gross value of canola (down 29% to \$490 million) and lupins for grain (down 31% to \$191 million), with decreased production and lower average prices for both. However, increases were reported in the gross value of sugar cane cut for crushing (up 17% to \$998 million), due mainly to a 12% increase in average price; and in the gross value of cotton (up 16% to \$873 million), with a 57% rise in production partly offset by a fall in average price.

The gross value of pastures and grasses decreased by 19% in 2004–05 to \$954 million. The gross value of crops cut for hay also decreased, down by 33% to \$384 million.

The gross value of grapes fell by 11% to \$1.5 billion, with a similar production level to the previous year offset by an 11% fall in average price. However, the gross value of apples rose by 48% to \$543 million, with a 30% increase in production and a 14% increase in average price.

Crops

# SUMMARY OF FINDINGS continued

Livestock slaughterings and other disposals	In 2004–05, the preliminary estimate of the gross value of livestock slaughterings and other disposals rose by 10% to \$12.0 billion.
	The gross value of cattle and calf slaughterings and other disposals rose by 18% to \$7.8 billion as a result of higher average prices.
	The gross value of sheep and lamb slaughterings and other disposals fell by 4% to \$1.9 billion. The value of domestic slaughterings fell by 2% to \$1.7 billion, with an 8% decrease in average prices partly offset by a 7% increase in the number slaughtered. The value of exports of live sheep and lambs fell by 22% to \$212 million, as the number exported fell 16% and average prices dropped 7%.
	The gross value of pig slaughterings and other disposals rose by 3% to \$906 million, with the number of total disposals falling by 5% and average prices increasing by 8%.
	The gross value of total poultry disposals rose by 2% to \$1.3 billion, with a 3% increase in the number of disposals partly offset by a 2% fall in average price.
Livestock products	In 2004–05, the preliminary estimate of the gross value of livestock products increased by 3% to \$5.7 billion.
	The gross value of wholemilk rose by 14% to \$3.2 billion, with a slight rise in production and a 13% increase in average price.
	The gross value of wool fell by 8% to \$2.2 billion, as a result of a drop in production (down 2%) and a fall in average price (down 10%) due to weaker demand from processors and reduced competition from customers.
	The gross value of egg production was unchanged at \$335 million, with production increasing by 8% and average price falling by 8%.

#### GROSS VALUE, Agricultural Commodities: Preliminary—Year ended 30 June 2005

Crops Cereals for grain Barley Grain sorghum Oats Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a) Cotton(b)		Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Cereals for grain Barley Grain sorghum Oats Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a)	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Cereals for grain Barley Grain sorghum Oats Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a)				• • • • • • •	• • • • • • •			• • • • •	
Barley Grain sorghum Oats Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a)									
Grain sorghum Oats Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a)	054 5	010.1	00.0	000.0	100.4	0 5			4 000 0
Oats Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a)	251.5	212.1	30.3 196.7	306.0	433.4	6.5	na 0.1	_	1 239.8 327.6
Rice Wheat Other(a) Apples Grapes Other fruit and nuts(a)	130.8 67.6	35.9	196.7 ^ 1.2	na 10.6		na ^1.4	0.1	0.1	327.6 167.3
Wheat Other(a) Apples Grapes Other fruit and nuts(a)	94.8	35.9 1.1			50.5		na	0.1	167.3 95.8
Other(a) Apples Grapes Other fruit and nuts(a)	1 410.2	362.7	na 255.3	na 521.5	1 763.4	na 6.9	na	0.3	4 320.2
Grapes Other fruit and nuts(a)	94.4	57.6	^ 68.3	57.1	45.4	^ 1.8	—		324.6
Other fruit and nuts(a)	92.4	273.3	27.9	62.3	39.9	46.9	na	0.1	542.8
nuts(a)	298.1	381.7	19.2	672.3	115.7	15.7	6.5	0.5	1 509.7
Cotton(b)	380.5	421.6	639.9	225.0	101.4	^ 22.5	25.5	_	1 816.3
	^ 470.9	na	^ 401.6	na	_	na	na	na	^ 872.6
Crops cut for hay Legumes for grain	^ 78.5	**138.6	^ 41.2	51.1	70.4	^ 1.9	2.3	—	^ 384.1
Field peas	^ 4.0	13.7	**	33.7	^ 16.0	^ 0.6	na	_	68.1
Lupins	^ 17.7	^ 6.8	**0.1	16.7	149.9	^ 0.2	na	_	191.4
Other(a)	^ 42.4	62.9	31.3	42.0	^ 3.3	^	—	—	181.9
Oilseeds									
Canola	141.2	103.8	**0.1	82.9	161.1	^ 0.3	na	0.2	489.6
Other(a)	^ 32.4	*1.2	^ 25.2	^ 1.4	na	na	—		60.2
Pastures and grasses	252.4	398.9	^ 84.8	95.8	65.5	48.2	8.0	0.2	953.8
Potatoes	51.5	87.8	^ 52.1	100.7	38.1	89.8	—	—	419.9
Tomatoes	^ 7.2	44.4	*101.1	**13.2	18.7	*1.3	0.1	—	^ 186.0
Other vegetables(a) Sugar cane cut for	196.5	331.1	606.6	157.1	197.3	102.5	3.1	_	1 594.3
crushing	61.8	na	930.9	na	5.0	na	na	na	997.7
All other crops(a)	206.4	324.2	280.6	100.9	111.4	71.7	5.2	3.2	1 103.6
Total crops	4 383.2	3 259.4	3 794.5	2 550.3	3 386.3	418.2	50.8	4.6	17 847.3
ivestock slaughterings and other disposals									
Cattle and calves	1 622.6	1 295.3	3 616.1	289.5	571.2	187.6	242.8	3.6	7 828.8
Sheep and lambs(c)	492.7	675.0	49.9	303.9	380.2	45.8	_	1.5	1 949.0
Pigs	276.4	150.2	234.8	np	np	np	1.2	na	905.6
Poultry <b>Total livestock</b>	449.9	395.0	223.4	np	np	np	na	0.3	1 303.7
slaughterings(d)	2 847.2	2 529.6	4 136.8	852.7	1 152.6	258.9	246.9	5.5	12 030.3
ivestock products									
Wool(e)									
Milk	775.3	472.9	124.4	266.8	489.7	64.5	na	2.0	2 195.5
Eggs	775.3 400.3	2 079.9	216.9	203.9	107.5	185.4	_	_	3 194.0
Total livestock	775.3								
products	775.3 400.3 ^ 110.4	2 079.9 84.5	216.9 63.6	203.9 ^ 30.8	107.5 26.7	185.4 10.2	2.4	6.3	3 194.0 334.9
Total agriculture	775.3 400.3	2 079.9	216.9	203.9	107.5	185.4	_	_	3 194.0

estimate has a relative standard error of 10% to less than
 (a) Estimates for 2005 for these commodities cannot be
 (b) produced at the preliminary estimates stage due to th

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

 \*\* estimate has a relative standard error greater than 50% and is considered too unreliable for general use

nil or rounded to zero (including null cells)

na not available

. . . . . . . . .

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) Estimates for 2005 for these commodities cannot be produced at the preliminary estimates stage due to the unavailability of source data. The 2004 values have been used to provide an 'order of magnitude' estimate as a contribution to the 'total agriculture' gross value. Estimates for these commodities for 2005 will be provided in the publication Value of Agricultural Commodities Produced, Australia (cat. no. 7503.0).

- (b) Includes value of cotton lint and cotton seed.
  - (c) Excludes value of wool on skins.
  - (d) Includes value of other livestock.
  - (e) Includes value of dead wool and wool on skins.

	2003	2004	2005	Change 2005 on 2004
	_000 \$m	_007	_000 \$m	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
0				
Crops Cereals for grain				
Barley	984.2	1 750.1	1 239.8	-29.2
Grain sorghum	299.6	318.7	327.6	2.8
Oats	209.7	278.7	167.3	-40.0
Rice	152.5	179.8	95.8	-46.7
Wheat	2 691.9	5 635.8	4 320.2	-23.3
Other(b)	271.5	324.6	324.6	
Apples	380.6	367.5	542.8	47.7
Grapes	1 370.8	1 688.8	1 509.7	-10.6
Other fruit and nuts(b)	1 835.6	1 816.3	1 816.3	_
Cotton(c)	853.0	750.8	^ 872.6	16.2
Crops cut for hay Legumes for grain	363.7	573.1	^ 384.1	-33.0
Field peas	61.2	112.8	68.1	-39.6
Lupins	211.5	278.1	191.4	-31.2
Other(b)	122.4	181.9	181.9	_
Oilseeds				
Canola	388.8	685.7	489.6	-28.6
Other(b)	25.1	60.2	60.2	—
Pastures and grasses	948.1	1 174.5	953.8	-18.8
Potatoes	484.9	480.9	419.9	-12.7
Tomatoes	225.5	280.4	^ 186.0	-33.7
Other vegetables(b)	1 415.2	1 594.3	1 594.3	—
Sugar cane for crushing	1 018.9	854.1	997.7	16.8
All other crops(b)	1 160.3	1 103.6	1 103.6	—
Total crops	15 474.9	20 490.7	17 847.3	-12.9
Livestock slaughterings and other disposals				
Cattle and calves	6 411.1	6 658.8	7 828.8	17.6
Sheep and lambs(d)	2 036.9	2 038.8	1 949.0	-4.4
Pigs	911.3	878.9	905.6	3.0
Poultry	1 280.5	1 280.8	1 303.7	1.8
Total livestock				
slaughterings(e)	10 676.0	10 896.0	12 030.3	10.4
Livestock products				
Wool(f)	3 317.8	2 396.5	2 195.5	-8.4
Milk(g)	2 796.8	2 808.7	3 194.0	13.7
Eggs(g)	297.5	335.5	334.9	-0.2
Total livestock products(h)	6 412.1	5 540.7	5 724.5	3.3
Total agriculture	32 563.0	36 927.4	35 602.0	-3.6

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) Data for 2003 and 2004 are final; data for 2005 are preliminary and may be subject to revision.

- (b) Estimates for 2005 for these commodities cannot be produced at the preliminary estimates stage due to the unavailability of source data. The 2004 values have been used to provide an 'order of magnitude' estimate as a contribution to the 'total agriculture' gross value. Estimates for these commodities for 2005 will be provided in the publication Value of Agricultural Commodities Produced, Australia (cat. no. 7503.0).
- (c) Includes value of cotton lint and cotton seed.
- (d) Excludes value of wool on skins.
- (e) Includes value of other livestock.
- (f) Includes value of dead wool and wool on skins.
- (g) Excludes NT for 2003.
- (h) Includes milk and eggs for NT for 2003.

## EXPLANATORY NOTES

INTRODUCTION	<b>1</b> The value estimates in this publication are derived by the multiplication of price and quantity of agricultural commodities.
	<b>2</b> Price data refers to the average unit value of a given commodity realised in the marketplace. Price information for livestock slaughterings and wool is obtained from Australian Bureau of Statistics (ABS) collections. Price information for other commodities is obtained from non-ABS sources, including marketing authorities and industry sources.
	<b>3</b> Quantity data for crops and eggs have been collected via preliminary estimates from the 2004–05 Agricultural Survey (AS). In 2003–04 and 2002–03, this information was also collected via the AS. Remaining commodity data are obtained from other ABS collections, with some information from non-ABS sources.
GENERAL	<b>4</b> Where figures for individual states or territories have been suppressed for reasons of confidentiality, they have been included in relevant totals.
	<b>5</b> The estimates for earlier years shown in this publication have been revised where necessary.
	<b>6</b> Where figures have been rounded, discrepancies may occur between sums of the component items and totals.
	7 The method of collection of relevant prices and the costs of marketing for agricultural commodities varies considerably between states and between commodities. Where a statutory authority handles marketing of the whole or a portion of a product, data are usually obtained from this source. Information is also obtained from marketing reports, wholesalers, brokers and auctioneers. For all commodities, values are in respect of production during the year (or season) irrespective of when payments are made. For that portion of production not marketed (e.g. hay grown on farm for own use, milk used in farm household, etc.), estimates are made from the best available information and, in general, are calculated on a local value basis.
PERIOD COVERED	<b>8</b> The production statistics used in deriving the preliminary value estimates for 2004–05 and the final estimates for 2003–04 and 2002–03 relate to the years ended 30 June.
DEFINITIONS OF TERMS USED	<ul> <li>9 The following are brief definitions of the terms used:</li> <li><i>Gross value of commodities produced</i> is the value placed on recorded production at the wholesale prices realised in the market place.</li> <li><i>Market place</i>, in general, is the metropolitan market in each state. In cases where commodities are consumed locally, or where they become raw material for a secondary industry, these points are presumed to be the market place.</li> <li><i>Livestock slaughterings and other disposals values</i> are published as one figure but include two distinct components: <ul> <li>value of livestock slaughtered; and</li> <li>value of net exports, i.e. the total value of livestock intended for slaughter in adjacent state(s) where available (at present these can only be identified between the Northern Territory and adjacent states) and livestock exported overseas whether for slaughter or breeding, minus the value of imports of livestock.</li> </ul></li></ul>
SAMPLE ERROR	<b>10</b> The estimates of gross value for crops and eggs are based on production information provided by the initial respondents to the AS, which is a sample survey drawn from the total farm population in scope of the collection. These estimates are therefore subject to sampling variability; that is, they may differ from the figures that would have been produced if all farms or farm businesses had been included in the AS. One measure of the likely difference is given by the standard error (SE) which indicates the extent to which an estimate might have varied by chance because only a sample was

SAMPLE ERROR continued

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 establishments had been reported for, and about nineteen chances in twenty that the difference will be less than two SEs.

**11** The estimates of gross value of livestock slaughterings and other disposals, wool and milk are based on data obtained from censuses and are therefore not subject to sampling variability.

**12** 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. Most published estimates have RSEs less than 10%. For some states with limited production of certain commodities, RSEs are greater than 10%. Estimates that have an estimated relative standard error 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.

**13** A table with RSEs for selected estimates of gross values follows:

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	14377	vic.	Qiù	5A	WA.	105.	INT	ACT	Ausi.
	%	%	%	%	%	%	%	%	%
Gross value of									
Barley for grain	4.2	3.6	9.0	3.4	3.3	8.6	na	—	1.8
Grain sorghum	8.2	_	5.1	na	—	na	—	—	4.5
Wheat for grain	3.7	3.2	6.4	3.2	2.3	9.5	na	_	1.6
Lupins for grain	11.2	11.6	79.2	9.6	4.8	12.2	na	—	4.0
Canola	5.2	5.3	65.0	5.6	6.8	24.1	na	—	3.1
Sugar cane for									
crushing	8.3	na	4.8	na	—	na	na	na	4.5
Apples	1.6	1.4	—	4.3	2.1	3.0	na	—	1.0
Grapes	0.6	0.8	1.7	_	0.5	_	—	—	0.2
Potatoes	7.3	4.2	16.1	6.9	6.5	5.2	—	_	3.1
Total crops	2.2	2.7	2.8	1.1	1.4	1.7	—	—	1.0
Livestock									
slaughterings									
Livestock products	0.9	0.2	1.1	1.5	0.2	0.3	—	—	0.3
Tatal a defaulture		4.0	4.0		• •				
Total agriculture	1.1	1.0	1.3	0.8	0.9	0.8	—	—	0.5

# RELATIVE STANDARD ERRORS FOR GROSS VALUES OF SELECTED COMMODITIES—At 30 June 2005

.. not applicable

— nil or rounded to zero (including null cells)

na not available

ABS DATA AVAILABLE ON REQUEST

**14** 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 either Geoff Ellerton on Hobart (03) 6222 5856 or the National Information and Referral Service on 1300 135 070.

# **EXPLANATORY NOTES** continued

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GENERAL ACKNOWLEDGMENT	<b>15</b> 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 <i>Census and Statistics Act 1905</i> .
RELATED PUBLICATIONS	<ul> <li>16 A range of agricultural data are produced by the ABS, including: <i>Agricultural Commodities, Australia</i>, cat. no. 7121.0 <i>Livestock and Meat, Australia</i>, cat. no. 7218.0.55.001 <i>Livestock Products, Australia</i>, cat. no. 7215.0 <i>Principal Agricultural Commodities, Australia, Preliminary</i>, cat. no. 7111.0 <i>Value of Agricultural Commodities Produced, Australia</i>, cat. no. 7503.0</li> </ul>
	<b>17</b> Current publications and other products released by the ABS are listed in the <i>Catalogue of Publications and Products</i> (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <http: www.abs.gov.au="">. The ABS also issues a daily Release Advice on the web site which details products to be released in the week ahead.</http:>

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