



2001-02

7501.0

VALUE OF

**PRINCIPAL AGRICULTURAL
COMMODITIES PRODUCED**

AUSTRALIA
PRELIMINARY

EMBARGO: 11:30AM (CANBERRA TIME) MON 24 MAR 2003

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

NOTES

ABOUT THIS PUBLICATION This publication contains preliminary information on the gross values of production for principal agricultural commodities for all states, territories and Australia for the year ended 30 June 2002. The final estimates will be released in September 2003.

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**SYMBOLS AND OTHER
USAGES**

ABS	Australian Bureau of Statistics
AS	Agricultural Survey
ACT	Australian Capital Territory
Aust.	Australia
NSW	New South Wales
NT	Northern Territory
n.p.	not available for publication but included in totals where applicable
p	preliminary data
Qld	Queensland
RSE	relative standard error
SA	South Australia
SE	standard error
Tas.	Tasmania
Vic.	Victoria
WA	Western Australia
\$m	million dollars
*	relative standard error between 25% and 50%
**	relative standard error over 50%, estimate is not published
—	nil or rounded to zero (including null cells)
..	not applicable

Dennis Trewin
Australian Statistician

SUMMARY OF FINDINGS

NATIONAL ESTIMATES

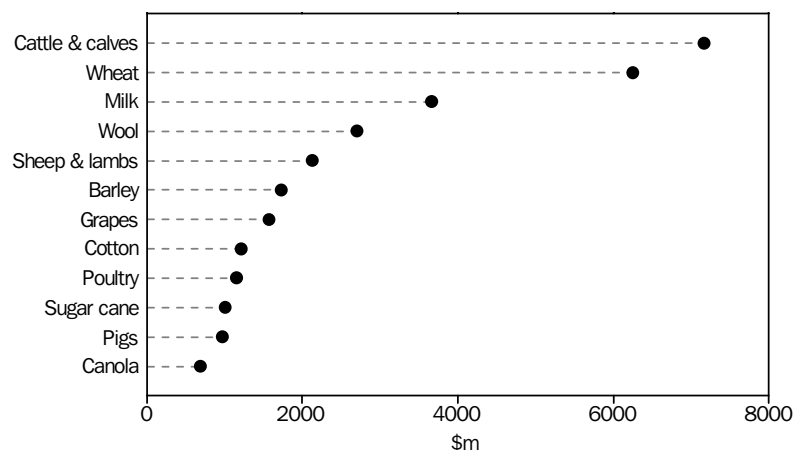
In 2001–02, the preliminary estimate of the gross value of agricultural commodities produced was a record \$39.0 billion, an increase of 14% over the value of \$34.2 billion recorded in 2000–01.

There were significant increases in the gross values of most cereal crops in 2001–02, as a result of higher prices and increases in estimated production.

Significant increases were also recorded in the gross values for cattle and calves, and sheep and lambs slaughterings and other disposals, with higher prices received by producers being partially offset by lower number of total disposals.

Increases were recorded in the gross values of both milk and wool production.

GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED—2001–02p



Crops

In 2001–02, the preliminary estimate of the gross value of crops increased by 12% to \$20.8 billion. The most significant increase was in the gross value of wheat which rose by 22% to a record \$6.3 billion, as a result of a 12% increase in estimated production due to improved yields in the major wheat producing states, coupled with an 8% increase in average price.

Other major contributors to the increase in the gross value of crops were barley and sugar cane cut for crushing. The gross value of barley for 2001–02 increased by 29% to \$1.7 billion, due primarily to a 25% increase in estimated production resulting from increased plantings spurred by price increases over recent years.

The gross value of sugar cane cut for crushing increased by 54% to \$1.0 billion, as a result of a 33% increase in average price (following three years of disappointing returns for cane farmers), combined with a 16% increase in estimated production.

SUMMARY OF FINDINGS *continued*

Crops *continued*

Increases were reported in the gross values of a number of other principal crops. These included canola, up by 26% to \$689 million; apples, up by 34% to \$378 million; grain sorghum, up by 33% to \$369 million; lupins for grain, up by 40% to \$303 million; and oats, up by 75% to \$243 million.

Decreases in production were largely responsible for decreases in the gross values of cotton (down 7% to \$1.2 billion), rice (down 19% to \$283 million) and tomatoes (down 13% to \$223 million).

Livestock slaughterings and other disposals

For 2001–02, the preliminary estimate of the gross value of livestock slaughterings and other disposals increased by 18% to \$11.4 billion.

The gross value of cattle and calves slaughterings and other disposals increased by 11% to \$7.2 billion, a 16% increase in average prices being partially offset by a 4% decrease in total disposals.

Similarly, the gross value of sheep and lambs slaughterings and other disposals rose by 52% to \$2.1 billion, with a 62% increase in average prices being partially offset by a 7% drop in total disposals.

The gross value of poultry slaughterings and other disposals rose by 9% to \$1.2 billion, with moderate increases in both production and average prices. Pig slaughterings and other disposals increased in value by 18% to \$968 million, also due to higher average prices and levels of production.

Livestock products

For 2001–02, the preliminary estimate of the gross value of livestock products rose by 14% to \$6.8 billion. The gross value of milk increased by 20% to \$3.7 billion, with a 12% increase in the average price of milk and a 7% increase in production. The gross value of wool increased by 6% to \$2.7 billion, with a 17% increase in average price being partially offset by a 9% fall in wool production.

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GROSS VALUE, Agricultural Commodities—Year ended 30 June 2002p

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
Crops									
Cereals for grain									
Barley	258.3	365.6	34.0	606.0	459.5	5.2	(a)	—	1 728.6
Grain sorghum	125.7	*1.0	240.8	(a)	**	(a)	0.1	—	369.3
Oats	49.9	57.1	1.6	29.8	102.3	1.9	(a)	—	242.6
Rice	279.2	*3.5	(a)	(a)	—	(a)	—	—	282.8
Wheat	1 997.7	709.8	225.5	1 281.9	2 033.3	4.8	(a)	**	6 253.0
Other	85.7	60.3	43.4	37.9	23.1	1.6	0.1	—	252.2
Apples	65.6	136.0	24.3	44.0	52.3	55.3	(a)	0.1	377.5
Grapes	315.2	405.1	24.2	695.5	99.1	7.5	23.1	0.3	1 570.0
Other fruit and nuts	348.2	355.8	693.7	233.3	81.1	13.2	34.3	—	1 759.5
Cotton(b)	868.7	(a)	348.3	(a)	0.6	(a)	(a)	(a)	1 217.5
Crops cut for hay	29.7	40.8	22.3	53.0	53.2	1.9	0.2	—	201.2
Legumes for grain									
Lupins	34.0	13.1	—	43.5	211.9	*0.2	(a)	—	302.7
Field peas	5.2	48.3	**	72.7	22.8	0.2	(a)	—	149.2
Other	62.7	102.1	44.3	46.1	11.3	—	—	—	266.5
Oilseeds									
Canola	269.6	133.4	*0.5	114.6	170.6	0.3	(a)	—	689.0
Other	23.2	1.6	24.1	0.8	(a)	(a)	—	—	49.6
Pastures and grasses									
Potatoes	66.3	109.6	46.6	122.3	30.9	74.1	—	—	449.7
Tomatoes	5.9	81.6	121.6	*2.3	10.7	*1.3	—	—	223.3
Other vegetables	206.7	385.6	456.3	154.5	184.6	75.9	3.9	—	1 467.6
Sugar cane cut for crushing	80.2	(a)	927.2	(a)	5.2	(a)	(a)	(a)	1 012.6
Tobacco (dried leaf)	(a)	27.2	11.6	(a)	(a)	(a)	(a)	(a)	38.8
All other crops	195.5	302.7	339.1	97.4	122.1	79.9	4.3	3.6	1 144.7
<i>Total crops</i>	<i>5 497.5</i>	<i>3 647.8</i>	<i>3 685.8</i>	<i>3 766.2</i>	<i>3 776.0</i>	<i>367.5</i>	<i>68.2</i>	<i>4.3</i>	<i>20 813.2</i>
Livestock slaughterings and other disposals									
Cattle and calves	1 562.4	1 228.4	3 226.5	282.5	495.7	131.4	232.0	3.6	7 162.5
Sheep and lambs(c)	572.2	699.0	78.3	331.0	405.5	39.1	0.1	1.4	2 126.6
Pigs	342.2	200.3	207.9	n.p.	n.p.	n.p.	n.p.	(a)	967.8
Poultry	451.7	309.4	180.1	n.p.	n.p.	n.p.	n.p.	0.1	1 155.9
<i>Total livestock slaughterings and other disposals(d)</i>	<i>2 930.6</i>	<i>2 448.5</i>	<i>3 700.2</i>	<i>827.0</i>	<i>1 105.5</i>	<i>193.1</i>	<i>234.9</i>	<i>5.1</i>	<i>11 444.8</i>
Livestock products									
Wool(e)	1 028.8	567.6	188.6	320.4	510.5	87.2	(a)	0.1	2 703.3
Milk	436.6	2 464.7	256.8	224.9	112.3	168.1	n.p.	n.p.	3 665.4
Eggs	126.3	97.5	64.3	*19.3	30.3	10.1	n.p.	n.p.	357.7
Honey and beeswax	21.8	8.9	5.1	4.6	3.6	2.0	n.p.	n.p.	46.0
<i>Total livestock products</i>	<i>1 613.5</i>	<i>3 138.8</i>	<i>514.7</i>	<i>569.2</i>	<i>656.6</i>	<i>267.5</i>	<i>4.4</i>	<i>7.8</i>	<i>6 772.4</i>
Total agriculture	10 041.6	9 235.0	7 900.7	5 162.4	5 538.0	828.1	307.5	17.2	39 030.4

(a) Data not collected.

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

(c) Excludes value of wool on skins.

(d) Includes value of other livestock.

(e) Includes dead wool and wool on skins.

	2001	2002p	Change 2002p on 2001
	\$m	\$m	%
Crops			
Cereals for grain			
Barley	1 343.5	1 728.6	28.7
Grain sorghum	278.7	369.3	32.5
Oats	138.4	242.6	75.2
Rice	350.3	282.8	-19.3
Wheat	5 130.4	6 253.0	21.9
Other(a)	252.2	252.2	—
Apples	282.0	377.5	33.9
Grapes	1 517.5	1 570.0	3.5
Other fruit and nuts(a)	1 759.5	1 759.5	—
Cotton(b)	1 304.6	1 217.5	-6.7
Crops cut for hay(a)	201.2	201.2	—
Legumes for grain			
Lupins	216.6	302.7	39.7
Field peas	99.7	149.2	49.7
Other(a)	266.5	266.5	—
Oilseeds			
Canola	545.1	689.0	26.4
Other(a)	49.6	49.6	—
Pastures and grasses	775.2	765.2	-1.3
Potatoes	458.3	449.7	-1.9
Tomatoes	256.7	223.3	-13.0
Other vegetables(a)	1 467.6	1 467.6	—
Sugar cane cut for crushing	656.7	1 012.6	54.2
Tobacco (dried leaf)	39.1	38.8	-0.7
All other crops(a)	1 144.7	1 144.7	—
<i>Total crops</i>	<i>18 534.2</i>	<i>20 813.2</i>	<i>12.3</i>
Livestock slaughtering and other disposals			
Cattle and calves	6 430.6	7 162.5	11.4
Sheep and lambs(c)	1 401.8	2 126.6	51.7
Pigs	822.3	967.8	17.7
Poultry	1 060.2	1 155.9	9.0
<i>Total livestock slaughtering and other disposals(d)</i>	<i>9 737.8</i>	<i>11 444.8</i>	<i>17.5</i>
Livestock products			
Wool(e)	2 541.2	2 703.3	6.4
Milk	3 053.3	3 665.4	20.0
Eggs	332.7	357.7	7.5
Honey and beeswax	37.5	46.0	22.6
<i>Total livestock products</i>	<i>5 964.7</i>	<i>6 772.4</i>	<i>13.5</i>
Total agriculture	34 236.7	39 030.4	14.0

(a) Estimates for 2001–02 for these commodities cannot be produced at the preliminary estimates stage due to the unavailability of suitable source data. 2000–01 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 2001–02 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 dead wool and wool on skins.

EXPLANATORY NOTES

INTRODUCTION

- 1** The value estimates in this publication are derived by the multiplication of price and quantity of agricultural commodities.
- 2** Price data refers to the average unit value of a given commodity realised in the market place. 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.
- 3** Quantity data for crops, eggs, honey and beeswax have been collected via early estimates from the 2001–02 Agricultural Survey (AS). In 2000–01 this information was collected via the Agricultural Census. Remaining commodity data is obtained from other ABS collections, with some information from external sources.

GENERAL

- 4** Where figures for individual states or territories have been suppressed for reasons of confidentiality, they have been included in relevant totals.
- 5** The estimates for earlier years shown in this publication have been revised where necessary.
- 6** Where figures have been rounded, discrepancies may occur between sums of the component items and totals.
- 7** The method of collection of relevant prices for, and the costs of marketing 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 valued on a local value basis.

PERIOD COVERED

- 8** The production statistics used in deriving the preliminary value estimates for 2001–02 and the final estimates for 2000–01 relate to the years ended 30 June.

DEFINITIONS OF TERMS USED

- 9** The following are brief definitions of the terms used:
 - *Gross value of commodities produced* is the value placed on recorded production at the wholesale prices realised in the market place.
 - *Market place*, 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.
 - *Livestock slaughterings and other disposals* values are published as one figure but include two distinct components:
 - ◆ value of livestock slaughtered; and
 - ◆ 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.

EXPLANATORY NOTES *continued*

SAMPLE ERROR

10 The estimates of gross value for crops, eggs, honey and beeswax 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 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 5%. For states with limited production of certain commodities, some RSEs are greater than 25%. If an estimate is identified by a single asterisk (e.g. *2.7) the RSE lies between 25% and 50%. If an estimate is identified by a double asterisk (i.e. **) the RSE is above 50% and the estimate is not published. Separate indication of the RSEs of all estimates is available on request.

A table with RSEs for selected estimates of gross value follows.

RELATIVE STANDARD ERRORS OF SELECTED GROSS VALUES—As at 30 June 2002

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
	%	%	%	%	%	%	%	%	%
Value of wheat for grain	2.4	2.5	7.2	2.5	2.0	6.3	..	69.7	1.2
Value of barley for grain	4.3	2.9	8.1	3.0	3.1	7.0	..	—	1.6
Value of grain sorghum	6.9	44.1	4.8	..	59.5	..	—	—	3.9
Value of apples	..	..	..	..	..	..	..	..	..
Value of grapes	..	..	..	..	..	..	..	..	..
Value of lupins for grain	6.9	9.2	—	9.1	3.9	30.2	..	—	3.2
Value of canola	3.6	5.5	31.5	5.1	5.3	6.1	..	—	2.4
Value of potatoes	8.1	3.7	13.0	6.4	6.9	3.8	—	—	2.8
Value of sugar cane	24.3	..	3.4	..	9.7	..	..	..	1.9
<i>Value of total crops</i>	2.6	0.9	1.6	1.1	1.2	1.1	0.7	1.3	0.8
Value of livestock slaughterings	..	..	..	..	..	..	..	..	..
Value of livestock products	0.5	0.5	0.7	0.9	0.2	0.3	4.5	—	0.3
Value of total agriculture	1.4	0.4	0.7	0.8	0.8	0.5	0.2	0.3	0.4

EXPLANATORY NOTES *continued*

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.

GENERAL ACKNOWLEDGMENT

15 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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16 A range of agricultural publications is produced by the ABS, including:

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Principal Agricultural Commodities, Australia, Preliminary, cat. no. 7111.0

Value of Agricultural Commodities Produced, Australia, cat. no. 7503.0

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