



Australian
Bureau of
Statistics

1988-89

Value of Agricultural Commodities Produced Australia



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**VALUE OF AGRICULTURAL COMMODITIES PRODUCED
AUSTRALIA
1988-89**

IAN CASTLES
Australian Statistician



AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 7503.0

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SUMMARY OF FINDINGS

Australia

Final estimates of the gross value of agricultural commodities produced for 1988-89 showed a rise of 14.7 per cent over 1987-88 to \$23,120.0m.

Agricultural exports make up 18 per cent of the total Australian exports for 1988-89.

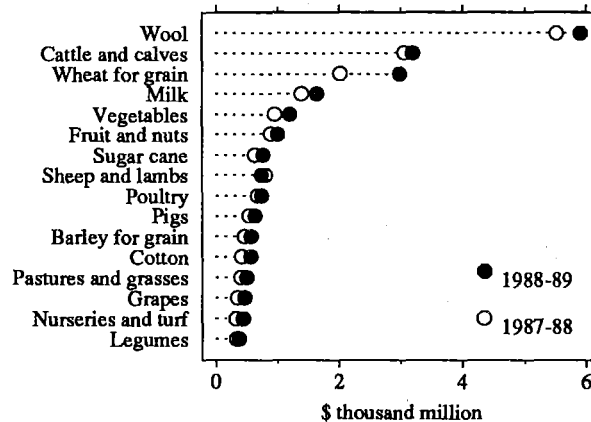
The value of crops produced in Australia increased by 26.8 per cent over 1987-88 to \$9,906.1m. There were significant increases in cereals for grain, with wheat increasing 47.6 per cent to \$2,975.9m, the first increase since 1984-85. Rice increased 25.0 per cent to \$146.7m, barley 23.7 per cent to \$568.6m and oats 21.3 per cent to \$236.5m.

Other crops to record significant increases were soybeans up 83.8 per cent to \$53.3m, cotton up 33.1 per cent to \$565.8m and vegetables up 25.6 per cent to \$1,197.3m. Nursery production also increased by 34.4 per cent to \$445.7m.

Livestock slaughterings increased by 4.3 per cent over 1987-88 to \$5,292.2m with pig slaughterings up 17.3 per cent to \$628.7m, poultry up 8.4 per cent to \$727.6m and cattle and calves up 4.6 per cent to \$3,197.6m. Sheep and lamb slaughterings fell by 8.2 per cent to \$738.3m.

The value of wool produced continued the upward trend since 1984-85, increasing by 7.0 per cent over 1987-88 to \$5,906.0m. Wool accounted for 25.5 per cent of the total value of agricultural production in 1988-89.

GROSS VALUE OF SELECTED AGRICULTURAL COMMODITIES
PRODUCED, AUSTRALIA, 1987-88 AND 1988-89



The table below compares the gross value of agricultural commodities produced between 1987-88 and 1988-89 for each State and Territory. The Northern Territory was the only one to record a decrease, largely due to a reduction in cattle and calves slaughterings of 14.8 per cent to \$70.0m. Highlights for other States are discussed below.

GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED
(\$ million)

State	1987-88	1988-89	% change 1988-89 on 1987-88
New South Wales	5,901.9	6,825.7	15.7
Victoria	4,608.0	5,037.2	9.3
Queensland	3,935.0	4,548.2	15.6
South Australia	2,051.8	2,268.2	10.5
Western Australia	2,991.2	3,719.1	24.3
Tasmania	547.2	603.1	10.2
Northern Territory	107.5	98.2	-8.7
Australian Capital Territory	9.9	20.3	(a)
Australia	20,152.5	23,120.0	14.7

(a) Prior to 1988-89 milk and eggs were excluded from Australian Capital Territory statistics. Therefore the statistics for 1988-89 are not directly comparable with previous periods.

Long term perspective

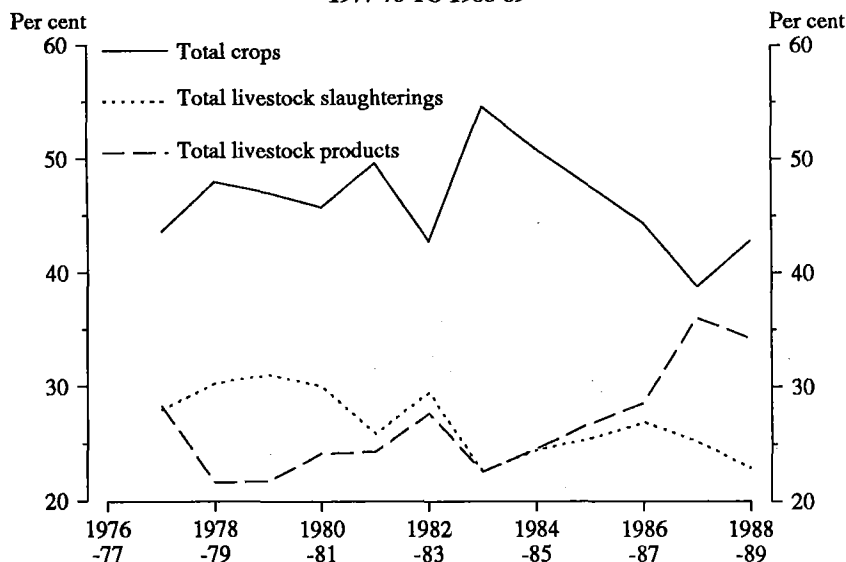
During the period 1983-84 to 1987-88, major livestock products such as wool, had strong markets and there were associated increases in production, resulting in an increasing contribution by livestock products to the total gross value of production. In 1983-84 livestock products contributed 24.6 per cent to the total gross value of production, while in 1987-88 this contribution had grown to 36.0 per cent. In the same period the contribution of crops declined from its peak of 54.6 per cent in 1983-84 to 38.8 per cent in 1987-88.

In 1988-89 there was a shift, with wheat plantings increasing in response to higher prices and total crops contributing 42.8 per cent to the total gross value of production. This contribution is at a similar level to the 1977-78 contribution of 43.7 per cent and is the same as the 1982-83 contribution.

The production of wool has continued to grow, but its contribution to total gross value of production which had increased from 13.1 per cent in 1983-84 to 27.4 per cent in 1987-88, has fallen in 1988-89 to 25.5 per cent. This is a result of a greater proportional increase in the price of major crops (e.g. wheat and barley), than in the price of wool.

The contribution of total livestock slaughterings to total gross value of production continues the downward trend of the last ten years.

**PERCENTAGE CONTRIBUTION TO TOTAL GROSS VALUE
OF AGRICULTURAL COMMODITIES PRODUCED, AUSTRALIA
1977-78 TO 1988-89**



New South Wales

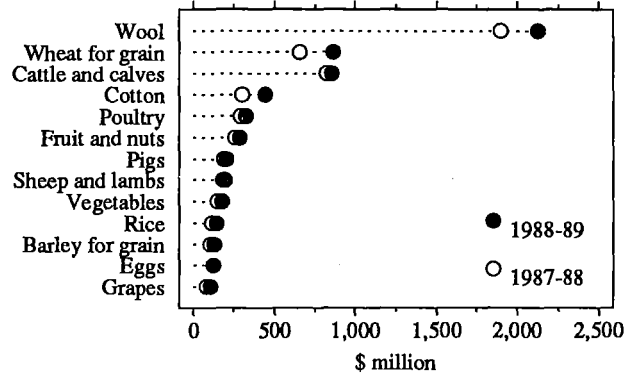
Total gross value of production increased by 15.7 per cent to \$6,825.7m with significant movements for some commodities. The gross value of wine grapes increased by 57.9 per cent to \$73.6m due to increased prices. Cotton increased 47.6 per cent to \$445.9m due to increased prices in line with the overseas trend and wheat for grain increased by 31.8 per cent to \$863.1m. The gross value of apples increased by 41.2 per cent to \$58.3m partially due to higher prices for good quality fruit as some of the crop was affected by hail damage. Oranges increased by 21.9 per cent to \$84.7m due partially to increased prices resulting from a world-wide shortage of oranges.

The supply of vegetables was adversely affected by excessive rain with a consequent increase in prices. In particular, significant increases were recorded for cabbages and brussels sprouts up 216.0 per cent to \$7.9m, onions up 133.8 per cent to \$15.2m and potatoes up 20.5 per cent to \$42.3m.

In livestock slaughterings, increases were recorded for cattle and calves, up 4.0 per cent to \$852.8m and poultry, up 10.6 per cent to \$322.7m. However, sheep and lambs slaughterings fell by 6.2 per cent to \$182.8m.

The total gross value of livestock products increased by 11.4 per cent to \$2,551.0m with whole milk production up 14.0 per cent to \$290.0m and wool production up 12.1 per cent to \$2,129.4m. Wool accounted for 31.2 per cent of the total value of agricultural production.

**GROSS VALUE OF SELECTED AGRICULTURAL COMMODITIES PRODUCED
NEW SOUTH WALES, 1987-88 AND 1988-89**



Victoria

Total gross value increased by 9.3 per cent to \$5,037.2m. In cereal grains, barley was up 37.4 per cent to \$109.1m and wheat was up 24.5 per cent to \$355.3m, due to higher overseas prices, while oats fell 11.9 per cent to \$44.4m. Other increases were; crops for hay up 78.8 per cent to \$23.6m and pastures and grasses cut for hay up 38.8 per cent to \$187.6m.

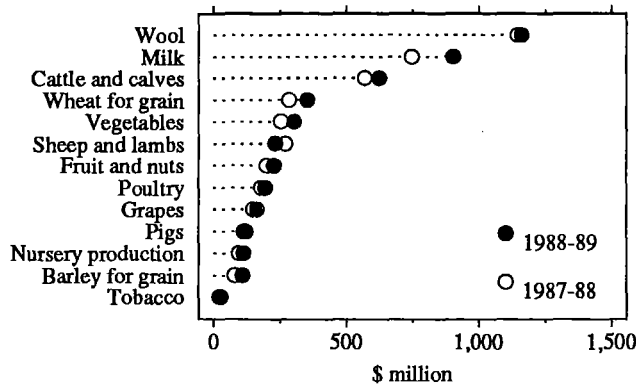
Apples recorded the highest production since 1986-87 and combined with strong market prices resulted in the gross value increasing 63.3 per cent to \$81.0m. Wine grapes also experienced a record season, largely due to increased production with the gross value increasing 96.1 per cent to \$55.7m. Oranges increased 48.0 per cent to \$26.5m, while pears decreased by 19.2 per cent to \$50.5m.

Although potato production was reduced due to a wet season, increased prices resulted in the total gross value of potatoes rising by 8.9 per cent to \$114.0m.

Cattle and calves slaughterings increased by 9.6 per cent to \$625.3m, while sheep and lambs slaughterings decreased by 13.6 per cent to \$233.3m.

The gross value of wool increased by 1.3 per cent to \$1,159.3m, while the value of whole milk used for manufacturing increased by 24.7 per cent to \$740.8m. The value of total whole milk production was up 20.9 per cent to \$904.1m.

**GROSS VALUE OF SELECTED AGRICULTURAL COMMODITIES PRODUCED
VICTORIA, 1987-88 AND 1988-89**



Queensland

Total gross value increased by 15.6 per cent to \$4,548.2m. However, some crops recorded larger movements. Wheat for grain was up 183.0 per cent to \$342.1m as a result of increased plantings and an excellent growing season. Larger plantings of barley resulted in a 76.5 per cent increase in the gross value, to \$66.0m, although this was still well down on the 1984-85 record of \$101.2m.

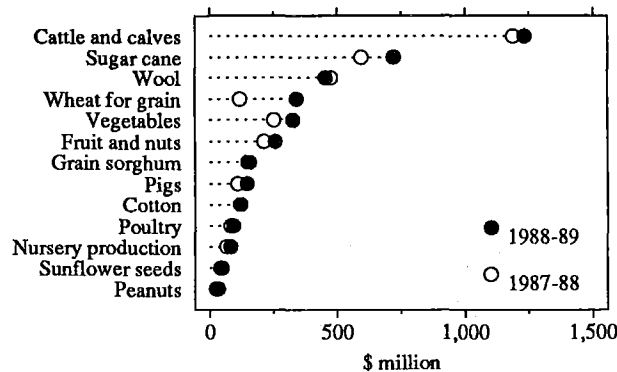
Sugar cane for crushing experienced a record season due to high world prices and increased production and the gross value increased by 21.8 per cent to \$711.6m.

Unseasonal wet weather in other States reduced vegetable production leading to increased prices. As a result the gross value of all major vegetables increased, in particular carrots were up 62.5 per cent to \$10.4m, lettuce up 46.7 per cent to \$15.7m, tomatoes up 36.9 per cent to \$101.0m and potatoes up 31.1 per cent to \$43.8m.

The value of cattle and calves slaughterings increased by 3.6 per cent to \$1,233.0m and sheep and lambs slaughterings increased by 40.0 per cent to \$30.1m. The value of pig slaughterings increased 32.5 per cent to \$147.1m, largely due to increased prices.

In livestock products, the total gross value of wool fell by 4.6 per cent to \$455.2m, while total whole milk production rose 14.3 per cent to \$196.6m.

GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED
QUEENSLAND, 1987-88 AND 1988-89



South Australia

Total gross value increased by 10.5 per cent to \$2,268.2m. In cereal grains, barley was up 11.5 per cent to \$170.8m, however, the value of wheat fell by 3.8 per cent to \$292.6m because of dry conditions which reduced production.

The gross value of wine grapes increased by 73.0 per cent to \$165.2m, mainly due to increased prices caused by an anticipated shortage, particularly of some varieties.

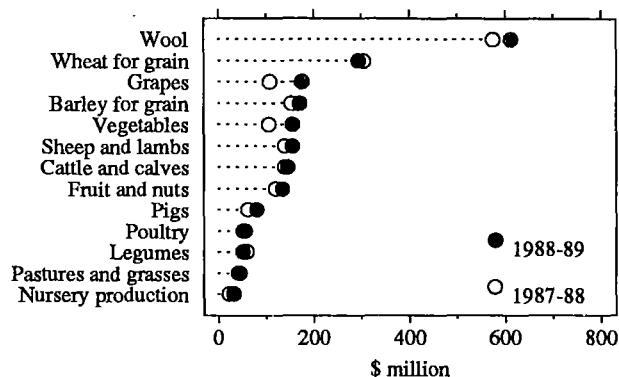
Floods in other States pushed up the prices of vegetables such that the value of onions increased by 131.2 per cent to \$40.0m, carrots by 70.0 per cent to \$11.9m, potatoes by 45.5 per cent to \$43.2m and lettuce by 16.3 per cent to \$9.3m.

The value of pig slaughterings increased by 29.1 per cent to \$80.4m, sheep and lambs slaughterings by 11.6 per cent to \$155.0m and cattle and calves slaughterings by 5.3 per cent to \$145.9m.

South Australia was the only State to record a decrease in the value of poultry slaughterings, which fell by 7.0 per cent to \$52.0m.

The gross value of wool increased by 6.4 per cent to \$612.2m.

**GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED
SOUTH AUSTRALIA, 1987-88 AND 1988-89**



Western Australia

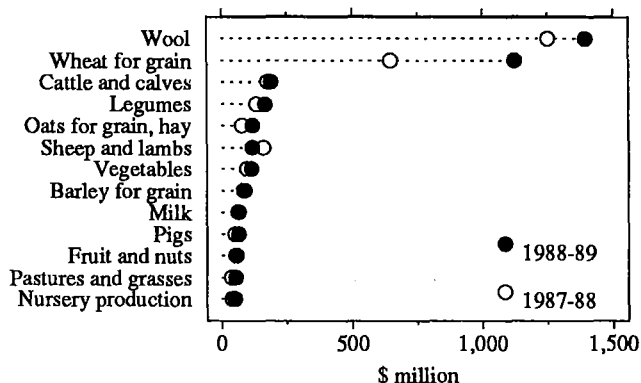
Western Australia recorded the largest percentage increase of all States in total gross value, up 24.3 per cent to \$3,719.1m. Wheat for grain increased by 72.7 per cent to \$1,122.3m and oats by 60.3 per cent to \$83.7m due to favourable growing conditions. Increases were also recorded for barley for grain up 7.0 per cent to \$88.7m, pastures and grasses for seed, up 84.0 per cent to \$14.9m, oats for hay up 27.8 per cent to \$34.5m and lupins for grain up 2.2 per cent to \$156.4m.

Potatoes increased 29.0 per cent to \$31.1m and carrots by 31.6 per cent to \$15.4m.

The value of sheep and lambs slaughterings fell by 26.9 per cent to \$116.3m, as farmers held onto their stock in response to continued strong wool prices, while pig slaughterings increased by 21.7 per cent to \$62.9m and cattle and calves slaughterings increased 8.0 per cent to \$190.0m.

Wool production reached a record level and the gross value increased by 11.4 per cent to \$1,395.1m.

**GROSS VALUE OF SELECTED AGRICULTURAL COMMODITIES PRODUCED
WESTERN AUSTRALIA, 1987-88 AND 1988-89**



Tasmania

Total gross value increased by 10.2 per cent to \$603.1m. Increases were recorded for nursery production, up 41.4 per cent to \$16.4m, barley for grain up 13.5 per cent to \$4.2m and oats for grain up 66.7 per cent to \$3.0m.

The value of apples fell 15.6 per cent to \$30.2m.

Due to flooding in other States all vegetables recorded an increase in gross value with potatoes up 21.2 per cent to \$52.0m, onions up 26.5 per cent to \$24.8m, peas up 37.5 per cent to \$9.9m and carrots up 106.5 per cent to \$6.4m.

The value of sheep and lambs slaughterings rose by 8.5 per cent to \$20.5m, cattle and calves slaughterings by 0.4 per cent to \$78.8m and poultry slaughterings by 4.1 per cent to \$10.1m.

The gross value of wool decreased by 4.7 per cent to \$154.7m.

Tasmania recorded the largest percentage increase in the value of total whole milk production, which increased 25.7 per cent to \$84.2m.

GROSS VALUE OF SELECTED AGRICULTURAL COMMODITIES PRODUCED TASMANIA, 1987-88 AND 1988-89

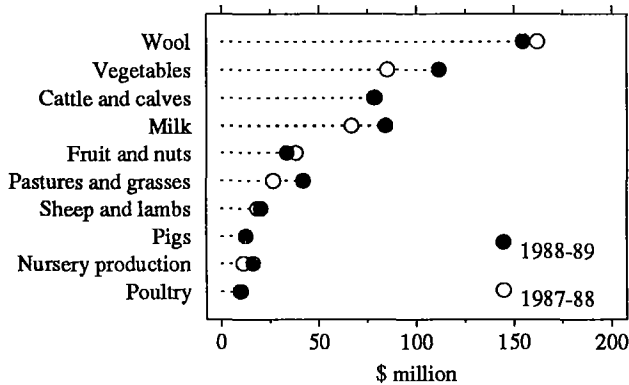


TABLE 1. GROSS AND LOCAL VALUES OF AGRICULTURAL COMMODITIES, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
CROPS									
Gross value of production	2,713.5	1,707.1	2,330.9	1,103.0	1,799.7	233.4	17.3	1.4	9,906.1
Marketing costs	341.1	241.5	265.2	130.3	239.5	20.0	3.9	0.1	1,241.7
Local value of production	2,372.4	1,465.5	2,065.7	972.7	1,560.2	213.3	13.4	1.3	8,664.5
LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS									
Gross value of production	1,561.1	1,175.7	1,503.2	433.3	424.5	122.1	(a)70.0	2.2	(b)5,292.2
Marketing costs	86.7	72.4	120.8	39.7	38.9	8.1	(a)7.4	0.1	(b)374.2
Local value of production	1,474.4	1,103.4	1,382.4	393.6	385.6	114.0	(a)62.7	2.0	(b)4,918.0
LIVESTOCK PRODUCTS									
Gross value of production	2,551.0	2,154.4	714.1	731.9	1,495.0	247.6	n.p.	16.8	(b)7,910.8
Marketing costs	94.1	82.8	31.1	33.9	39.0	12.1	n.p.	0.8	(b)293.8
Local value of production	2,457.0	2,071.6	683.0	698.0	1,455.9	235.5	n.p.	16.0	(b)7,617.0
TOTAL AGRICULTURE									
Gross value of production	6,825.7	5,037.2	4,548.2	2,268.2	3,719.1	603.1	(c)98.2	20.3	23,120.0
Marketing costs	522.0	396.8	417.0	203.9	317.4	40.3	(c)11.3	1.0	1,909.7
Local value of production	6,303.7	4,640.4	4,131.1	2,064.2	3,401.7	562.8	(c)86.8	19.3	21,210.2

(a) Excludes pigs and poultry in Northern Territory. (b) Incomplete: see individual States. (c) Includes pigs, poultry, milk and eggs in Northern Territory.

TABLE 2. GROSS AND LOCAL VALUES OF AGRICULTURAL COMMODITIES, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
GROSS VALUE			
Crops	7,618.1	7,812.0	9,906.1
Livestock slaughterings and other disposals	4,624.6	5,074.3	5,292.2
Livestock products	4,915.6	7,256.9	7,910.8
Total agriculture	17,166.5	20,152.5	23,120.0
LOCAL VALUE			
Crops	6,469.8	6,709.5	8,664.5
Livestock slaughterings and other disposals	4,265.9	4,696.7	4,918.0
Livestock products	4,675.3	6,991.0	7,617.0
Total agriculture	15,419.1	18,406.6	21,210.2

II. CROPS

TABLE 3. ALL CROPS, GROSS VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Crops (excl. pastures and grasses)—									
Cereals for grain—									
Barley	129.8	109.1	66.0	170.8	88.7	4.2	—	—	568.6
Grain sorghum	41.7	0.1	150.6	—	0.2	—	1.5	—	194.1
Maize	14.0	0.3	20.7	—	0.7	—	0.2	—	35.9
Oats	81.8	44.4	2.4	21.3	83.7	3.0	—	—	236.5
Rice	142.4	—	4.3	—	—	—	—	—	146.7
Triticale	16.1	3.9	4.0	1.0	3.4	0.5	—	—	28.9
Wheat	863.1	355.3	342.1	292.6	1,122.3	0.4	—	—	2,975.9
Other	2.6	1.3	8.6	1.1	0.3	0.2	—	—	14.1
<i>Total cereals for grain</i>	<i>1,291.4</i>	<i>514.4</i>	<i>598.7</i>	<i>486.7</i>	<i>1,299.3</i>	<i>8.4</i>	<i>1.7</i>	<i>—</i>	<i>4,200.6</i>
Crops for hay—									
Oats	10.6	16.3	1.6	12.4	34.5	1.2	—	—	76.6
Wheat	4.3	1.7	0.4	2.3	9.4	0.4	—	—	18.6
Other	0.8	5.6	0.7	2.5	1.5	0.2	0.4	—	11.6
<i>Total crops for hay</i>	<i>15.8</i>	<i>23.6</i>	<i>2.7</i>	<i>17.2</i>	<i>45.3</i>	<i>1.8</i>	<i>0.4</i>	<i>—</i>	<i>106.8</i>
Other crops—									
Cotton	445.9	—	119.9	—	—	—	—	—	565.8
Fruit and nuts	287.5	228.1	259.5	134.5	55.4	33.6	1.6	(a)	(b)1,000.2
Grapes	102.7	163.9	6.6	175.0	12.8	0.8	0.5	—	462.4
Legumes mainly for grain—									
Lupins	12.2	8.2	—	8.3	156.4	0.4	—	—	185.5
Other	25.8	79.6	26.7	43.1	10.3	0.3	0.1	—	185.7
Nursery production	146.0	111.9	83.9	33.2	50.8	16.4	3.6	(a)	(b)445.7
Oilseeds—									
Soybeans	27.0	0.8	25.1	—	0.4	—	(a)	—	(b)53.3
Sunflower	10.6	2.3	42.5	0.3	0.4	—	—	—	56.0
Other	13.5	15.6	1.0	3.3	0.3	—	—	—	33.7
Peanuts	0.7	—	25.0	—	0.1	—	(a)	—	(b)25.9
Sugar cane—									
Cut for crushing	40.2	—	711.6	—	—	—	—	—	751.8
Cut for plants	—	—	10.0	—	—	—	—	—	10.0
Tobacco (dried leaf)	2.0	23.7	40.9	—	—	—	—	—	66.6
Vegetables	176.4	304.7	327.5	155.8	113.1	111.9	7.9	(a)	(b)1,197.3
All other crops	15.6	24.1	5.8	4.3	0.7	17.3	0.4	1.2	69.4
<i>Total crops (excl. pastures and grasses)</i>	<i>2,613.3</i>	<i>1,500.9</i>	<i>2,287.4</i>	<i>1,061.6</i>	<i>1,745.4</i>	<i>190.9</i>	<i>16.1</i>	<i>1.2</i>	<i>9,416.8</i>
Pastures and grasses—									
Cut for hay—									
Lucerne	43.0	27.0	30.7	10.3	1.6	1.5	—	0.1	114.2
Other	48.1	160.6	5.5	17.7	37.9	40.1	0.9	0.1	311.0
<i>Total cut for hay</i>	<i>91.1</i>	<i>187.6</i>	<i>36.3</i>	<i>28.0</i>	<i>39.4</i>	<i>41.7</i>	<i>1.0</i>	<i>0.1</i>	<i>425.2</i>
Harvested for seed—									
Lucerne	2.3	0.2	—	4.4	—	—	—	—	6.9
Clovers	2.5	5.5	—	6.2	10.8	—	—	—	25.0
Other	4.3	12.8	7.2	2.8	4.1	0.8	0.2	—	32.2
<i>Total harvested for seed</i>	<i>9.1</i>	<i>18.6</i>	<i>7.2</i>	<i>13.4</i>	<i>14.9</i>	<i>0.8</i>	<i>0.2</i>	<i>—</i>	<i>64.1</i>
<i>Total pastures and grasses</i>	<i>100.2</i>	<i>206.2</i>	<i>43.4</i>	<i>41.4</i>	<i>54.3</i>	<i>42.5</i>	<i>1.2</i>	<i>0.1</i>	<i>489.3</i>
Total crops	2,713.5	1,707.1	2,330.9	1,103.0	1,799.7	233.4	17.3	1.4	9,906.1

(a) Not available for publication; included in 'All other crops'. (b) Incomplete; see individual States.

TABLE 4. ALL CROPS, GROSS VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Crops (excl. pastures and grasses)—			
Cereals for grain—			
Barley	432.6	459.8	568.6
Grain sorghum	161.5	208.3	194.1
Maize	31.1	32.0	35.9
Oats	164.8	195.0	236.5
Rice	85.1	117.4	146.7
Triticale	26.0	27.4	28.9
Wheat	2,410.3	2,015.7	2,975.9
Other	18.7	17.1	14.1
<i>Total cereals for grain</i>	<i>3,330.2</i>	<i>3,072.8</i>	<i>4,200.6</i>
Crops for hay—			
Oats	58.1	61.4	76.6
Wheat	14.8	16.6	18.6
Other	6.2	7.9	11.6
<i>Total crops for hay</i>	<i>79.1</i>	<i>85.8</i>	<i>106.8</i>
Other crops—			
Cotton	372.5	425.1	565.8
Fruit and nuts	837.2	885.9	1,000.2
Grapes	272.2	353.7	462.4
Hops	8.1	(a)	(a)
Legumes mainly for grain—			
Lupins	135.9	151.4	185.5
Other	158.2	178.5	185.7
Nursery production	285.8	331.5	445.7
Oilseeds—			
Soybeans	27.3	29.0	53.3
Sunflower	34.3	65.6	56.0
Other	25.4	28.9	33.7
Peanuts	41.8	33.0	25.9
Sugar cane—			
Cut for crushing	586.4	618.2	751.8
Cut for plants	7.9	9.2	10.0
Tobacco (dried leaf)	65.1	72.7	66.6
Vegetables	885.4	952.9	1,197.3
All other crops	46.0	118.2	69.4
<i>Total crops (excl. pastures and grasses)</i>	<i>7,198.8</i>	<i>7,412.5</i>	<i>9,416.8</i>
Pastures and grasses—			
Cut for hay—			
Lucerne	107.8	116.5	114.2
Other	265.9	224.2	311.0
<i>Total cut for hay</i>	<i>373.8</i>	<i>340.7</i>	<i>425.2</i>
Harvested for seed—			
Lucerne	8.3	10.4	6.9
Clovers	13.4	18.9	25.0
Other	23.8	29.5	32.2
<i>Total harvested for seed</i>	<i>45.5</i>	<i>58.8</i>	<i>64.1</i>
<i>Total pastures and grasses</i>	<i>419.3</i>	<i>399.6</i>	<i>489.3</i>
Total crops	7,618.1	7,812.0	9,906.1

(a) Not available for publication; included in 'All other crops'.

TABLE 5. ALL CROPS, LOCAL VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Crops (excl. pastures and grasses)—									
Cereals for grain—									
Barley	102.7	78.6	54.3	138.5	75.4	3.7	—	—	453.2
Grain sorghum	37.9	0.1	124.2	—	0.2	—	1.4	—	163.8
Maize	12.6	0.2	19.1	—	0.7	—	0.2	—	32.7
Oats	70.5	34.3	2.2	19.2	79.1	2.8	—	—	208.0
Rice	126.4	—	3.8	—	—	—	—	—	130.2
Triticale	13.6	3.4	3.5	0.9	3.4	0.4	—	—	25.2
Wheat	723.7	296.4	283.9	262.5	951.6	0.4	—	—	2,518.5
Other	2.1	1.0	8.4	1.0	0.3	0.2	—	—	13.1
<i>Total cereals for grain</i>	<i>1,089.5</i>	<i>414.0</i>	<i>499.5</i>	<i>422.0</i>	<i>1,110.6</i>	<i>7.6</i>	<i>1.5</i>	<i>—</i>	<i>3,544.7</i>
Crops for hay—									
Oats	10.6	16.3	1.6	12.4	34.5	1.1	—	—	76.5
Wheat	4.3	1.7	0.4	2.3	9.4	0.4	—	—	18.6
Other	0.8	5.6	0.7	2.5	1.5	0.2	0.4	—	11.6
<i>Total crops for hay</i>	<i>15.8</i>	<i>23.6</i>	<i>2.7</i>	<i>17.2</i>	<i>45.3</i>	<i>1.7</i>	<i>0.4</i>	<i>—</i>	<i>106.7</i>
Other crops—									
Cotton	437.7	—	118.4	—	—	—	—	—	556.1
Fruit and nuts	231.0	196.2	199.4	97.3	45.0	22.2	1.3	(a)	(b)792.4
Grapes	96.5	142.8	5.2	173.1	11.9	0.8	0.4	—	430.6
Legumes mainly for grain—									
Lupins	12.2	7.1	—	7.8	138.5	0.4	—	—	165.9
Other	21.8	69.5	24.3	40.3	9.2	0.2	0.1	—	165.4
Nursery production	128.5	87.1	74.6	31.6	47.8	14.9	3.1	(a)	(b)387.7
Oilseeds—									
Soybeans	23.9	0.7	23.6	—	0.4	—	(a)	—	(b)48.6
Sunflower	8.9	2.0	38.6	0.2	0.4	—	—	—	50.1
Other	11.9	13.5	1.0	3.1	0.3	—	—	—	29.8
Peanuts	0.7	—	14.2	—	0.1	—	(a)	—	(b)15.0
Sugar cane—									
Cut for crushing	40.2	—	708.0	—	—	—	—	—	748.2
Cut for plants	—	—	10.0	—	—	—	—	—	10.0
Tobacco (dried leaf)	1.9	22.8	39.3	—	—	—	—	—	64.0
Vegetables	139.3	263.4	258.1	135.4	96.1	107.0	5.1	(a)	(b)1,004.3
All other crops	12.6	20.8	5.6	4.1	0.6	16.6	0.4	1.1	61.8
<i>Total crops (excl. pastures and grasses)</i>	<i>2,272.3</i>	<i>1,263.4</i>	<i>2,022.4</i>	<i>932.2</i>	<i>1,506.1</i>	<i>171.5</i>	<i>12.2</i>	<i>1.1</i>	<i>8,181.2</i>
Pastures and grasses—									
Cut for hay—									
Lucerne	43.0	27.0	30.6	10.3	1.6	1.5	—	0.1	114.1
Other	48.1	160.6	5.5	17.7	37.9	39.6	0.9	0.1	310.4
<i>Total cut for hay</i>	<i>91.1</i>	<i>187.6</i>	<i>36.2</i>	<i>28.0</i>	<i>39.4</i>	<i>41.1</i>	<i>1.0</i>	<i>0.1</i>	<i>424.5</i>
Harvested for seed—									
Lucerne	2.2	0.2	—	4.3	—	—	—	—	6.7
Clovers	2.4	4.7	—	5.6	10.6	—	—	—	23.4
Other	4.2	9.6	7.2	2.6	4.0	0.8	0.2	—	28.6
<i>Total harvested for seed</i>	<i>8.9</i>	<i>14.5</i>	<i>7.2</i>	<i>12.6</i>	<i>14.7</i>	<i>0.8</i>	<i>0.2</i>	<i>—</i>	<i>58.7</i>
<i>Total pastures and grasses</i>	<i>100.0</i>	<i>202.1</i>	<i>43.3</i>	<i>40.5</i>	<i>54.1</i>	<i>41.9</i>	<i>1.2</i>	<i>0.1</i>	<i>483.2</i>
Total crops	2,372.4	1,465.5	2,065.7	972.7	1,560.2	213.3	13.4	1.3	8,664.5

(a) Not available for publication; included in 'All other crops'. (b) Incomplete; see individual States.

TABLE 6. ALL CROPS, LOCAL VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Crops (excl. pastures and grasses)—			
Cereals for grain—			
Barley	334.2	358.2	453.2
Grain sorghum	134.7	167.8	163.8
Maize	26.6	28.6	32.7
Oats	150.2	174.7	208.0
Rice	72.7	104.5	130.2
Triticale	21.3	22.0	25.2
Wheat	1,899.7	1,643.9	2,518.5
Other	16.1	15.4	13.1
<i>Total cereals for grain</i>	<i>2,655.6</i>	<i>2,515.1</i>	<i>3,544.7</i>
Crops for hay—			
Oats	58.0	61.2	76.5
Wheat	14.8	16.5	18.6
Other	6.2	7.9	11.6
<i>Total crops for hay</i>	<i>79.1</i>	<i>85.7</i>	<i>106.7</i>
Other crops—			
Cotton	368.4	415.8	556.1
Fruit and nuts	662.3	683.1	792.4
Grapes	244.5	320.5	430.6
Hops	7.5	(a)	(a)
Legumes mainly for grain—			
Lupins	119.9	136.9	165.9
Other	137.4	156.5	165.4
Nursery production	249.9	287.4	387.7
Oilseeds—			
Soybeans	25.4	27.3	48.6
Sunflower	31.5	60.6	50.1
Other	22.9	25.3	29.8
Peanuts	28.7	20.7	15.0
Sugar cane—			
Cut for crushing	581.6	614.5	748.2
Cut for plants	7.9	9.2	10.0
Tobacco (dried leaf)	62.4	69.7	64.0
Vegetables	730.3	784.2	1,004.3
All other crops	40.1	103.4	61.8
<i>Total crops (excl. pastures and grasses)</i>	<i>6,055.4</i>	<i>6,315.9</i>	<i>8,181.2</i>
Pastures and grasses—			
Cut for hay—			
Lucerne	107.6	116.3	114.1
Other	265.5	223.8	310.4
<i>Total cut for hay</i>	<i>373.1</i>	<i>340.1</i>	<i>424.5</i>
Harvested for seed—			
Lucerne	8.0	10.0	6.7
Clovers	12.2	17.8	23.4
Other	21.0	25.8	28.6
<i>Total harvested for seed</i>	<i>41.3</i>	<i>53.6</i>	<i>58.7</i>
<i>Total pastures and grasses</i>	<i>414.3</i>	<i>393.7</i>	<i>483.2</i>
Total crops	6,469.8	6,709.5	8,664.5

(a) Not available for publication; included in 'All other crops'.

TABLE 7. AVERAGE UNIT GROSS VALUE OF PRINCIPAL CROPS(a), AUSTRALIA
(\$)

		1986-87	1987-88	1988-89
Cereals for grain—				
Barley	tonne	120.70	132.45	171.91
Grain sorghum	"	113.21	124.18	151.27
Maize	"	144.49	144.90	159.02
Oats	"	99.87	108.47	126.65
Rice	"	154.95	156.41	195.88
Triticale	"	110.50	129.08	145.01
Wheat	"	146.65	165.16	211.71
Crops for hay (excl. pastures and grasses)	"	79.15	82.98	98.52
Cotton	kg	0.61	0.67	0.83
Fruit—				
Apples	tonne	624.03	612.14	729.87
Apricots	"	908.06	1,028.76	1,004.12
Bananas	"	790.85	696.49	693.11
Cherries	"	2,745.37	3,127.14	3,588.05
Lemons and limes	"	311.35	367.32	333.58
Oranges	"	245.95	298.48	443.92
Peaches	"	659.01	689.47	817.71
Pears	"	528.89	475.87	449.22
Pineapples	"	292.04	261.12	279.15
Plums and prunes	"	1,082.40	1,201.58	1,350.30
Strawberries	"	3,595.34	4,130.19	4,767.58
Grapes—				
Dried vine fruit (dried weight)	"	1,618.56	1,615.46	1,710.45
Table	"	1,178.34	1,471.21	1,229.01
Wine	"	247.95	374.02	509.85
Hops	kg	4.66	(b)	(b)
Lupins	tonne	168.89	176.79	199.47
Oilseeds—				
Soybeans	"	295.60	389.60	395.91
Sunflower	"	246.75	299.54	321.73
Peanuts	"	867.51	857.08	1,009.98
Sugar cane cut for crushing	"	23.11	24.52	27.41
Tobacco (dried leaf)	kg	5.35	5.56	5.75
Vegetables—				
Beans, french and runner	tonne	660.05	678.86	805.13
Cabbages and brussels sprouts	"	295.56	305.44	382.13
Carrots	"	316.69	339.56	509.35
Cauliflower	"	360.43	344.59	462.10
Lettuce	"	498.70	507.39	597.04
Mushrooms	"	3,333.34	3,325.18	3,328.09
Onions, white and brown	"	345.79	347.66	490.65
Potatoes	"	267.43	244.26	304.66
Tomatoes	"	426.70	421.55	502.66

(a) Obtained for each product by dividing the total gross value of commodities by the total quantity produced. Includes subsidy and bounty payments if based on production. (b) Not available for publication.

TABLE 8. FRUIT, GROSS VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	Aust.(a)
Orchard fruit (incl. nuts)—							
Citrus—							
Oranges	84.7	26.5	11.9	56.2	2.4	—	181.7
Lemons and limes	3.7	2.7	2.3	2.4	1.2	—	12.4
Mandarins	3.8	3.8	24.2	3.7	1.0	—	36.4
Other	5.3	2.3	0.8	2.2	0.5	—	11.0
Total citrus	97.4	35.3	39.3	64.4	5.1	—	241.4
Pome—							
Apples	58.3	81.0	24.0	21.8	24.0	30.2	(b)239.3
Pears	4.0	50.5	1.9	5.0	3.8	0.7	(b)66.0
Stone—							
Apricots	0.9	5.9	1.0	22.3	0.8	0.1	31.0
Cherries	9.3	3.7	(c)	1.9	0.2	0.2	(d)15.3
Nectarines	9.0	4.2	3.1	0.6	1.5	0.1	18.5
Peaches	16.5	18.5	3.7	3.7	2.7	—	(b)45.2
Plums and prunes	16.8	3.9	3.6	1.4	2.6	—	28.3
Other orchard, n.e.i. (incl. nuts)—							
Avocados	6.6	0.6	16.9	0.6	0.7	—	25.4
Mangoes	0.3	—	10.8	—	0.2	—	12.3
Almonds	—	7.5	—	7.5	—	—	15.1
Macadamia	10.2	—	7.9	—	—	—	18.0
Other	2.1	1.1	3.2	0.9	0.2	—	7.5
Total orchard fruit (incl. nuts)	231.5	212.1	115.4	130.1	41.9	31.4	763.4
Berry and small fruit—							
Strawberries	1.7	8.5	6.9	4.0	3.3	0.6	25.1
Other	2.9	3.0	0.1	0.3	—	1.6	7.8
Total berry and small fruit	4.6	11.5	7.0	4.3	3.3	2.2	32.9
Other fruit—							
Bananas	48.0	—	83.1	—	9.4	—	141.1
Pineapples	—	—	44.4	—	—	—	44.5
Other	3.4	4.6	9.6	0.1	0.7	—	18.4
Total other fruit	51.4	4.6	137.1	0.1	10.1	—	204.0
Total fruit (excl. grapes)	287.5	228.1	259.5	134.5	55.4	33.6	1,000.2
Grapes—							
Fresh—							
Table	13.2	37.8	6.4	3.2	3.1	—	64.1
Wine	73.6	55.7	0.2	165.2	8.6	0.8	304.1
Dried—							
Currants	0.5	3.5	—	2.7	1.0	—	7.7
Raisins and lexias	1.2	3.5	—	0.3	0.1	—	5.1
Sultanas	14.4	63.4	—	3.6	—	—	81.5
Total grapes	102.7	163.9	6.6	175.0	12.8	0.8	462.4
Total fruit	390.3	392.0	266.0	309.5	68.2	34.4	1,462.6

(a) Includes Northern Territory. (b) Excludes Australian Capital Territory; included in 'All other crops'. (c) Not available for publication; included in 'Other orchard'. (d) Incomplete; see individual States.

TABLE 9. FRUIT, GROSS VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Orchard fruit (incl. nuts)—			
Citrus—			
Oranges	126.1	146.4	181.7
Lemons and limes	13.7	13.3	12.4
Mandarins	27.5	31.1	36.4
Other	8.0	11.8	11.0
<i>Total citrus</i>	<i>175.3</i>	<i>202.7</i>	<i>241.4</i>
Pome—			
Apples	204.5	185.8	239.3
Pears	76.8	77.7	66.0
Stone—			
Apricots	25.5	31.7	31.0
Cherries	11.9	15.2	15.3
Nectarines	10.2	14.7	18.5
Peaches	40.9	48.1	45.2
Plums and prunes	25.2	22.9	28.3
Other orchard, n.e.i. (incl. nuts)—			
Avocados	19.2	17.4	25.4
Mangoes	7.9	14.6	12.3
Almonds	16.8	16.8	15.1
Macadamia	10.2	15.6	18.0
Other	9.9	6.5	7.5
<i>Total orchard fruit (incl. nuts)</i>	<i>634.3</i>	<i>669.6</i>	<i>763.4</i>
Berry and small fruit—			
Strawberries	20.3	22.4	25.1
Other	4.1	6.4	7.8
<i>Total berry and small fruit</i>	<i>24.4</i>	<i>28.9</i>	<i>32.9</i>
Other fruit—			
Bananas	126.7	132.6	141.1
Pineapples	42.0	41.4	44.5
Other	9.8	13.5	18.4
<i>Total other fruit</i>	<i>178.4</i>	<i>187.5</i>	<i>204.0</i>
<i>Total fruit (excl. grapes)</i>	<i>837.2</i>	<i>885.9</i>	<i>1,000.2</i>
Grapes—			
Fresh —			
Table	52.3	69.1	64.1
Wine	121.9	178.1	304.1
Dried—			
Currants	9.6	8.1	7.7
Raisins and lexias	8.5	4.4	5.1
Sultanas	79.9	94.0	81.5
<i>Total grapes</i>	<i>272.2</i>	<i>353.7</i>	<i>462.4</i>
Total fruit	1,109.4	1,239.6	1,462.6

TABLE 10. FRUIT, LOCAL VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	Aust.(a)
Orchard fruit (incl. nuts)—							
Citrus—							
Oranges	63.9	21.2	9.1	32.2	2.0	—	128.3
Lemons and limes	3.0	2.1	1.8	1.5	1.0	—	9.4
Mandarins	3.0	3.4	19.2	2.3	0.8	—	28.7
Other	3.9	1.7	0.6	1.2	0.4	—	7.8
Total citrus	73.9	28.4	30.7	37.2	4.1	—	174.2
Pome—							
Apples	46.9	71.9	18.4	18.8	20.2	19.4	(b)195.6
Pears	3.3	40.4	1.4	3.9	3.2	0.4	(b)52.6
Stone—							
Apricots	0.8	5.2	0.8	18.6	0.7	0.1	26.2
Cherries	8.2	3.5	(c)	1.7	0.2	0.2	(d)13.9
Nectarines	7.8	3.9	2.6	0.4	1.2	0.1	16.0
Peaches	14.6	16.2	3.1	3.2	2.4	—	(b)39.4
Plums and prunes	10.7	3.6	3.0	1.1	2.3	—	20.7
Other orchard, n.e.i. (incl. nuts)—							
Avocados	5.3	0.5	13.8	0.5	0.5	—	20.7
Mangoes	0.3	—	8.6	—	0.2	—	9.8
Almonds	—	6.6	—	7.5	—	—	14.2
Macadamia	10.2	—	7.5	—	—	—	17.6
Other	1.8	0.9	2.7	0.7	0.2	—	6.3
Total orchard fruit (incl. nuts)	183.8	181.1	92.5	93.6	35.2	20.2	607.2
Berry and small fruit—							
Strawberries	1.6	7.9	5.7	3.3	2.7	0.5	21.8
Other	2.5	2.8	0.1	0.2	—	1.5	7.0
Total berry and small fruit	4.0	10.7	5.7	3.6	2.8	2.0	28.8
Other fruit—							
Bananas	40.3	—	57.6	—	6.4	—	104.9
Pineapples	—	—	36.4	—	—	—	36.4
Other	2.8	4.3	7.1	0.1	0.6	—	15.0
Total other fruit	43.2	4.3	101.2	0.1	7.0	—	156.4
Total fruit (excl. grapes)	231.0	196.2	199.4	97.3	45.0	22.2	792.4
Grapes—							
Fresh—							
Table	10.9	30.3	4.9	2.8	2.4	—	51.6
Wine	73.6	55.7	0.2	165.2	8.6	0.8	304.1
Dried—							
Currants	0.4	3.1	—	2.2	0.8	—	6.4
Raisins and lexias	1.0	2.2	—	0.2	0.1	—	3.6
Sultanas	10.6	51.6	—	2.8	—	—	65.0
Total grapes	96.5	142.8	5.2	173.1	11.9	0.8	430.6
Total fruit	327.5	339.0	204.6	270.4	56.8	23.0	1,223.0

(a) Includes Northern Territory. (b) Excludes Australian Capital Territory; included in 'All other crops'. (c) Not available for publication; included in 'Other orchard'. (d) Incomplete; see individual States.

TABLE 11. FRUIT, LOCAL VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Orchard fruit (incl. nuts)—			
Citrus—			
Oranges	78.8	90.4	128.3
Lemons and limes	9.8	9.9	9.4
Mandarins	20.8	23.6	28.7
Other	5.0	8.0	7.8
<i>Total citrus</i>	<i>114.5</i>	<i>131.9</i>	<i>174.2</i>
Pome—			
Apples	165.8	148.3	195.6
Pears	62.9	62.3	52.6
Stone—			
Apricots	23.2	26.7	26.2
Cherries	10.6	13.9	13.9
Nectarines	8.7	12.6	16.0
Peaches	34.8	41.4	39.4
Plums and prunes	17.7	17.2	20.7
Other orchard, n.e.i. (incl. nuts)—			
Avocados	15.3	13.7	20.7
Mangoes	6.5	11.3	9.8
Almonds	15.7	15.7	14.2
Macadamia	10.2	15.2	17.6
Other	9.3	5.6	6.3
<i>Total orchard fruit (incl. nuts)</i>	<i>495.2</i>	<i>515.8</i>	<i>607.2</i>
Berry and small fruit—			
Strawberries	17.5	19.6	21.8
Other	3.8	5.9	7.0
<i>Total berry and small fruit</i>	<i>21.4</i>	<i>25.6</i>	<i>28.8</i>
Other fruit—			
Bananas	102.1	95.3	104.9
Pineapples	36.1	35.7	36.4
Other	7.5	10.8	15.0
<i>Total other fruit</i>	<i>145.7</i>	<i>141.8</i>	<i>156.4</i>
<i>Total fruit (excl. grapes)</i>	<i>662.3</i>	<i>683.1</i>	<i>792.4</i>
Grapes—			
Fresh—			
Table	42.1	56.2	51.6
Wine	121.9	178.1	304.1
Dried—			
Currants	7.4	6.7	6.4
Raisins and lexias	6.1	3.2	3.6
Sultanas	67.0	76.2	65.0
<i>Total grapes</i>	<i>244.5</i>	<i>320.5</i>	<i>430.6</i>
Total fruit	906.7	1,003.7	1,223.0

TABLE 12. VEGETABLES FOR HUMAN CONSUMPTION, GROSS VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	Aust.(a)
Beans, french and runner	2.8	3.1	18.6	0.7	1.7	3.5	30.5
Cabbages and brussels sprouts	7.9	13.9	4.9	5.6	2.8	2.0	36.9
Carrots	7.9	26.6	10.4	11.9	15.4	6.4	78.6
Cauliflower	3.3	10.7	4.0	4.7	12.3	2.8	37.7
Lettuce	5.7	15.4	15.7	9.3	7.2	1.0	54.4
Mushrooms	18.5	32.5	6.1	6.8	1.5	(b)	(c)65.4
Onions, white and brown	15.2	5.5	13.1	40.0	7.9	24.8	106.6
Peas	2.2	2.7	1.3	0.2	0.9	9.9	17.2
Potatoes	42.3	114.0	43.8	43.2	31.1	52.0	326.4
Pumpkins	5.2	4.9	12.7	2.3	4.0	0.5	30.1
Tomatoes	15.3	18.3	101.0	5.2	9.1	1.5	150.7
Other vegetables	50.1	57.1	95.8	26.2	19.2	7.4	262.9
Total vegetables for human consumption	176.4	304.7	327.5	155.8	113.1	111.9	1,197.3

(a) Includes Northern Territory. Australian Capital Territory vegetables are confidential and are included in 'All other crops'. (b) Not available for publication; included in 'Other vegetables'. (c) Incomplete; see individual States.

TABLE 13. VEGETABLES FOR HUMAN CONSUMPTION, GROSS VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Beans, french and runner	20.0	23.5	30.5
Cabbages and brussels sprouts	24.9	25.1	36.9
Carrots	46.5	49.5	78.6
Cauliflower	33.1	39.7	37.7
Lettuce	41.8	44.5	54.4
Mushrooms	50.7	61.8	65.4
Onions, white and brown	57.2	64.8	106.6
Peas	10.0	14.1	17.2
Potatoes	272.0	270.0	326.4
Pumpkins	23.4	19.6	30.1
Tomatoes	115.0	124.5	150.7
Other vegetables	190.8	215.9	262.9
Total vegetables for human consumption	885.4	952.9	1,197.3

TABLE 14. VEGETABLES FOR HUMAN CONSUMPTION, LOCAL VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	Aust.(a)
Beans, french and runner	2.4	2.8	16.4	0.6	1.5	3.5	27.1
Cabbages and brussels sprouts	5.0	11.8	3.8	4.6	2.0	1.9	29.1
Carrots	5.7	23.6	8.3	10.4	13.1	6.0	67.2
Cauliflower	2.2	8.9	2.9	3.7	10.7	2.7	31.0
Lettuce	3.7	11.3	10.9	8.1	5.5	1.0	40.6
Mushrooms	16.1	31.6	5.4	6.1	1.2	(b)	(c)60.4
Onions, white and brown	10.9	4.8	10.9	35.2	7.2	22.3	91.3
Peas	2.0	2.2	1.3	0.1	0.9	9.9	16.5
Potatoes	32.2	103.1	36.9	37.4	28.0	50.8	288.4
Pumpkins	3.7	4.2	9.8	2.1	3.2	0.4	23.8
Tomatoes	13.5	10.1	78.1	4.7	7.4	1.5	115.7
Other vegetables	41.9	49.0	73.3	22.4	15.4	6.8	213.3
Total vegetables for human consumption	139.3	263.4	258.1	135.4	96.1	107.0	1,004.3

(a) Includes Northern Territory. Australian Capital Territory vegetables are confidential and are included in 'All other crops'. (b) Not available for publication; included in 'Other vegetables'. (c) Incomplete; see individual States.

TABLE 15. VEGETABLES FOR HUMAN CONSUMPTION, LOCAL VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Beans, french and runner	17.8	20.6	27.1
Cabbages and brussels sprouts	19.5	19.5	29.1
Carrots	39.0	41.6	67.2
Cauliflower	26.4	30.4	31.0
Lettuce	30.2	33.1	40.6
Mushrooms	46.3	57.1	60.4
Onions, white and brown	48.4	54.2	91.3
Peas	9.5	13.4	16.5
Potatoes	235.2	233.1	288.4
Pumpkins	17.9	14.5	23.8
Tomatoes	86.0	93.2	115.7
Other vegetables	154.1	173.5	213.3
Total vegetables for human consumption	730.3	784.2	1,004.3

III. LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS

TABLE 16. LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS(a), GROSS VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Cattle and calves(b)	852.8	625.3	1,233.0	145.9	190.0	78.8	70.0	1.8	3,197.6
Sheep and lambs(c)	182.8	233.3	30.1	155.0	116.3	20.5	—	0.4	738.3
Pigs	202.8	122.7	147.1	80.4	62.9	12.8	n.p.	—	(d)628.7
Poultry	(e)322.7	194.4	93.1	52.0	55.3	10.1	n.p.	(f)	(d)727.6
Total	1,561.1	1,175.7	1,503.2	433.3	424.5	122.1	70.0	2.2	(d)5,292.2

(a) Includes net exports of livestock. Exports interstate for slaughter can only be identified between Northern Territory and adjacent States. (b) Includes dairy cattle slaughtered. (c) Excludes value of wool on skins. (d) Excludes pigs and poultry in the Northern Territory. (e) Includes Australian Capital Territory. (f) Included in New South Wales.

TABLE 17. LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS(a), GROSS VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Cattle and calves(b)	2,833.3	3,057.0	3,197.6
Sheep and lambs(c)	721.2	803.9	738.3
Pigs(d)	468.5	536.1	628.7
Poultry(d)	601.7	671.2	727.6
Goats	n.a.	6.1	n.a.
Total(d)	4,624.6	5,074.3	5,292.2

(a) Includes net exports of livestock. (b) Includes dairy cattle slaughtered. (c) Excludes value of wool on skins. (d) Excludes pigs and poultry in the Northern Territory.

TABLE 18. LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS(a), LOCAL VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Cattle and calves(b)	800.0	584.0	1,131.4	134.2	174.3	73.1	62.7	1.7	2,961.4
Sheep and lambs(c)	163.9	209.2	22.7	134.7	99.5	18.8	—	0.3	649.1
Pigs	187.8	115.7	135.2	74.4	56.4	12.0	n.p.	—	(d)581.6
Poultry	(e)322.7	194.4	93.1	50.3	55.3	10.1	n.p.	(f)	(d)725.9
Total	1,474.4	1,103.4	1,382.4	393.6	385.6	114.0	62.7	2.0	(d)4,918.0

(a) Includes net exports of livestock. Exports interstate for slaughter can only be identified between Northern Territory and adjacent States. (b) Includes dairy cattle slaughtered. (c) Excludes value of wool on skins. (d) Excludes pigs and poultry in the Northern Territory. (e) Includes Australian Capital Territory. (f) Included in New South Wales.

TABLE 19. LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS(a), LOCAL VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Cattle and calves(b)	2,599.8	2,822.3	2,961.4
Sheep and lambs(c)	634.2	705.5	649.1
Pigs(d)	432.6	494.6	581.6
Poultry(d)	599.3	669.0	725.9
Goats	n.a.	5.3	n.a.
Total(d)	4,265.9	4,696.7	4,918.0

(a) Includes net exports of livestock. (b) Includes dairy cattle slaughtered. (c) Excludes value of wool on skins. (d) Excludes pigs and poultry in the Northern Territory.

TABLE 20. AVERAGE UNIT GROSS VALUE OF LIVESTOCK SLAUGHTERINGS(a), AUSTRALIA
(\$)

	1986-87	1987-88	1988-89
Cattle and calves(b)	per animal 347.52	367.39	432.69
Sheep and lambs(c)	" 15.92	17.75	18.32
Pigs(d)	" 99.06	108.80	125.61
Poultry(d)	" 2.10	2.27	2.52
Goats	" n.a.	10.27	n.a.

(a) Obtained by dividing the total gross value of slaughterings by the total number of animals slaughtered. (b) Includes dairy cattle slaughtered. (c) Excludes value of wool on skins. (d) Excludes Northern Territory.

IV. LIVESTOCK PRODUCTS

TABLE 21. LIVESTOCK PRODUCTS, GROSS VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Wool—									
Shorn	2,084.4	1,098.3	446.4	601.6	1,388.4	151.1	—	n.p.	(b)5,770.1
Other(a)	45.0	61.0	8.8	10.6	6.8	3.6	—	n.p.	(b)135.8
<i>Total wool</i>	<i>2,129.4</i>	<i>1,159.3</i>	<i>455.2</i>	<i>612.2</i>	<i>1,395.1</i>	<i>154.7</i>	—	n.p.	<i>(b)5,906.0</i>
Liquid whole milk used for—									
Manufacturing	59.1	740.8	60.4	39.8	15.1	65.9	—	—	981.0
Human consumption	231.0	163.3	136.2	53.8	51.6	18.3	n.p.	n.p.	(b)654.1
<i>Total whole milk production</i>	<i>290.0</i>	<i>904.1</i>	<i>196.6</i>	<i>93.5</i>	<i>66.7</i>	<i>84.2</i>	n.p.	n.p.	<i>(b)1,635.1</i>
Eggs	119.8	86.2	55.2	22.8	29.7	7.7	n.p.	n.p.	(b)321.4
Honey	11.1	4.5	6.7	3.2	3.2	1.0	—	—	29.6
Beeswax	0.6	0.4	0.4	0.2	(c)0.3	—	—	—	2.0
Total livestock products	2,551.0	2,154.4	714.1	731.9	1,495.0	247.6	n.p.	16.8	(d)7,910.8

(a) Includes dead and fellmongered wool and wool on skins. (b) Incomplete; see individual States. (c) Includes pollen. (d) Excludes milk and eggs in the Northern Territory.

TABLE 22. LIVESTOCK PRODUCTS, GROSS VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Wool—			
Shorn	3,155.7	5,316.4	5,770.1
Other(a)	177.9	200.9	135.8
<i>Total wool</i>	<i>3,333.6</i>	<i>5,517.3</i>	<i>5,906.0</i>
Mohair	n.a.	4.2	n.a.
Cashmere	n.a.	2.8	n.a.
Cashgora	n.a.	0.1	n.a.
Liquid whole milk used for—			
Manufacturing	687.3	805.2	981.0
Human consumption	570.1	585.7	654.1
<i>Total whole milk production</i>	<i>1,257.4</i>	<i>1,390.9</i>	<i>1,635.1</i>
Liquid goat milk	n.a.	2.7	n.a.
Eggs	291.6	304.4	321.4
Honey	31.0	32.5	29.6
Beeswax	2.0	1.9	2.0
Total livestock products	(b)4,915.6	(b)7,256.9	(c)7,910.8

(a) Includes dead and fellmongered wool and wool on skins. (b) Excludes milk and eggs in the Northern Territory and Australian Capital Territory. (c) Excludes milk and eggs in the Northern Territory.

TABLE 23. LIVESTOCK PRODUCTS, LOCAL VALUE, 1988-89
(\$ million)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
Wool—									
Shorn	1,999.1	1,036.2	429.6	572.8	1,356.3	140.1	—	n.p.	(b)5,534.1
Other(a)	45.0	61.0	8.8	9.5	6.7	3.6	—	n.p.	(b)134.6
Total wool	2,044.1	1,097.2	438.4	582.3	1,363.0	143.7	—	n.p.	(b)5,668.8
Liquid whole milk used for—									
Manufacturing	59.1	740.8	60.4	39.8	15.1	65.9	—	—	981.0
Human consumption	231.0	163.3	136.2	53.8	51.6	18.3	n.p.	n.p.	(b)654.1
Total whole milk production	290.0	904.1	196.6	93.5	66.7	84.2	n.p.	n.p.	(b)1,635.1
Eggs	111.0	65.5	40.9	19.0	22.7	6.8	n.p.	n.p.	(b)265.9
Honey	11.1	4.5	6.7	3.0	3.2	0.8	—	—	29.2
Beeswax	0.6	0.4	0.4	0.2	(c)0.3	—	—	—	2.0
Total livestock products	2,457.0	2,071.6	683.0	698.0	1,455.9	235.5	n.p.	16.0	(d)7,617.0

(a) Includes dead and fellmongered wool and wool on skins. (b) Incomplete; see individual States. (c) Includes pollen. (d) Excludes milk and eggs in the Northern Territory.

TABLE 24. LIVESTOCK PRODUCTS, LOCAL VALUE, AUSTRALIA
(\$ million)

	1986-87	1987-88	1988-89
Wool—			
Shorn	2,969.1	5,107.6	5,534.1
Other(a)	174.6	197.8	134.6
Total wool	3,143.8	5,305.4	5,668.8
Mohair	n.a.	3.7	n.a.
Cashmere	n.a.	2.5	n.a.
Cashgora	n.a.	0.1	n.a.
Liquid whole milk used for—			
Manufacturing	687.3	805.2	981.0
Human consumption	570.1	585.7	654.1
Total whole milk production	1,257.4	1,390.9	1,635.1
Liquid goat milk	n.a.	2.6	n.a.
Eggs	241.5	251.8	265.9
Honey	30.6	32.0	29.2
Beeswax	2.0	1.9	2.0
Total livestock products	(b)4,675.3	(b)6,991.0	(c)7,617.0

(a) Includes dead and fellmongered wool and wool on skins. (b) Excludes milk and eggs in the Northern Territory and Australian Capital Territory. (c) Excludes milk and eggs in the Northern Territory.

TABLE 25. AVERAGE UNIT GROSS VALUE OF LIVESTOCK PRODUCTS(a), AUSTRALIA
(\$)

		1986-87	1987-88	1988-89
Wool	kg	3.76	6.01	(b)6.18
Mohair	"	n.a.	6.61	n.a.
Cashmere	"	n.a.	36.47	n.a.
Cashgora	"	n.a.	19.49	n.a.
Liquid whole milk used for—				
Manufacturing(c)	litre	0.15	0.18	0.21
Human consumption(c)	"	0.34	0.35	0.38
Total whole milk production(c)	"	0.20	0.23	0.26
Liquid goat milk	litre	n.a.	1.14	n.a.
Eggs(c)	doz	1.39	1.41	1.56
Honey	kg	1.16	1.13	(b)1.03

(a) Obtained for each product by dividing the total gross value of commodities by the total quantity produced. (b) Excludes Australian Capital Territory. (c) Excludes Australian Capital Territory and Northern Territory.

V. OTHER

TABLE 26. GROSS VALUE OF SELECTED AGRICULTURAL COMMODITIES PRODUCED, CLASSIFIED BY INDUSTRY OF PRODUCING ESTABLISHMENT, AUSTRALIA, 1988-89
(\$ million)

	0124-5 Poultry	0134-6 Fruit	0143-4 Vegetables	0181 Cereal grains incl. oilseeds n.e.c.	0182 Sheep- cereal grains	0183 Meat cattle- cereal grains	0184 Sheep- meat cattle	0185 Sheep	0186 Meat cattle	0187 Milk cattle	0188 Pigs	0191-6 Other agriculture	Non agriculture	Total
Crops—														
Barley for grain	1.1	0.5	3.1	133.2	341.0	27.3	5.2	29.0	3.6	6.5	12.6	4.3	1.2	568.6
Grain sorghum for grain	0.4	—	2.4	116.9	10.5	47.0	0.7	1.1	3.3	1.3	4.0	6.2	0.3	194.1
Oats for grain	0.3	0.2	0.7	12.0	131.5	4.0	10.1	71.1	2.3	1.4	1.1	1.3	0.5	236.5
Wheat for grain	3.6	1.5	3.3	868.7	1,809.6	159.8	11.3	49.7	6.2	3.3	15.5	39.9	3.3	2,975.9
Cotton	—	—	0.6	12.2	—	0.1	—	3.1	0.2	—	0.2	548.4	1.0	565.8
Sugar cane cut for crushing	0.3	4.2	7.9	0.2	—	—	—	—	2.2	0.5	0.1	733.8	2.6	751.8
Orchard fruit—														
Citrus	1.0	225.9	4.9	1.9	0.4	—	0.1	1.3	0.6	0.4	0.3	2.9	1.7	241.4
Pome	0.3	284.8	2.2	—	—	—	0.5	11.6	1.3	0.5	0.3	0.5	3.3	305.3
Stone and other orchard	0.5	158.1	5.9	0.3	0.3	0.1	0.2	2.4	1.4	0.6	0.5	10.1	1.9	182.3
Nuts	0.1	31.3	0.6	0.1	0.1	—	—	0.1	0.1	0.3	0.1	0.4	1.1	34.3
Grapes	0.3	436.1	3.1	2.7	0.6	—	—	2.4	0.4	0.8	0.2	1.4	14.4	462.4
Vegetables—														
Carrots	—	1.2	76.0	0.1	—	—	—	0.2	—	0.1	0.1	0.1	0.8	78.6
Onions	—	1.0	102.5	0.4	—	—	—	0.9	—	0.6	—	0.5	0.7	106.6
Potatoes	—	1.7	289.2	0.7	—	—	0.6	13.5	5.0	11.8	0.8	1.6	1.5	326.4
Tomatoes	—	3.3	140.2	—	—	—	0.2	2.0	0.8	0.5	—	3.7	0.1	150.7
Livestock slaughterings and other disposals(a)—														
Cattle and calves(b)	4.2	12.5	30.1	40.6	87.9	179.4	438.7	189.3	1,661.4	468.0	20.8	47.3	17.6	3,197.6
Sheep and lambs(c)	0.4	1.2	5.4	12.5	226.0	1.2	93.1	381.3	3.3	4.1	3.3	4.1	2.4	738.3
Pigs(d)	3.2	0.9	1.3	34.5	33.8	2.0	0.8	25.8	7.7	15.3	498.2	1.2	4.0	628.7
Poultry(d)	705.3	3.5	1.8	3.5	0.7	—	—	0.9	0.7	2.3	1.3	0.4	7.1	727.6
Livestock products—														
Wool(e)	3.0	7.7	16.5	101.1	1,800.2	8.3	652.1	3,217.7	17.1	16.5	21.9	27.8	15.9	5,906.0
Milk	2.6	2.9	10.5	2.5	1.0	—	0.7	9.2	5.1	1,585.7	5.6	3.1	6.0	1,635.1
Eggs	299.1	0.1	0.2	3.0	1.4	—	—	1.9	0.1	0.2	4.3	0.1	11.1	321.4

(a) Includes net exports of livestock. (b) Includes dairy cattle slaughtered. (c) Excludes value of wool on skins. (d) Excludes Northern Territory. (e) Includes dead and fellmongered wool and wool on skins.

TABLE 27. GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED AND OUTPUT, AUSTRALIA
(\$ million)

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
Crops—												
Barley for grain	205.0	339.1	449.8	380.9	463.5	287.6	732.6	759.3	586.8	432.6	459.8	568.6
Oats for grain	69.1	100.5	98.8	139.5	155.7	116.1	203.8	129.6	138.3	164.8	195.0	236.5
Wheat for grain	934.9	2,295.8	2,478.0	1,684.1	2,599.4	1,566.2	3,605.6	3,202.9	2,693.7	2,410.3	2,015.7	2,975.9
Other cereal grains	145.5	222.3	218.9	327.6	294.1	260.5	408.7	400.8	346.4	322.5	402.2	419.6
Sugar cane cut for crushing	420.5	396.5	548.2	799.7	590.2	508.9	516.6	512.2	494.2	586.4	618.2	751.8
Fruit	324.0	387.7	406.6	459.8	464.4	508.6	670.9	678.6	678.6	837.2	885.9	1,000.2
Grapes	141.6	150.1	231.1	178.2	222.8	212.5	270.0	259.4	270.0	272.2	353.7	462.4
Vegetables	324.4	403.4	402.3	509.0	554.3	556.9	738.6	628.8	713.6	885.4	952.9	1,197.3
All other crops(a)	482.0	617.2	707.3	827.2	967.6	999.5	1,451.1	1,303.5	1,430.4	1,706.7	1,928.6	2,293.8
Total crops	3,047.0	4,912.5	5,540.8	5,305.9	6,312.1	5,016.8	8,426.5	7,867.4	7,352.0	7,618.1	7,812.0	9,906.1
Livestock slaughtering and other disposals(b)—												
Cattle and calves(c)	1,176.9	2,154.6	2,386.0	2,056.5	1,890.1	2,076.2	2,118.0	2,253.2	2,393.9	2,833.3	3,057.0	3,197.6
Sheep and lambs	344.8	445.1	654.3	718.9	646.7	548.0	585.0	576.1	531.6	721.2	803.9	738.3
Pigs	212.7	253.8	311.3	337.5	396.1	414.9	375.5	438.1	(d)438.3	(d)468.5	(d)536.1	(d)628.7
Poultry	220.0	244.2	307.2	361.4	362.7	412.7	430.2	512.6	(d)559.1	(d)601.7	(d)671.2	(d)727.6
Total livestock slaughtering and other disposals	1,954.4	3,097.7	3,658.8	3,474.3	3,295.6	3,451.8	3,508.6	(e)3,783.3	(d)3,923.0	(d)4,624.6	(d)(e)5,074.3	(d)5,292.2
Livestock products—												
Wool	1,206.3	1,374.5	1,651.4	1,669.5	1,788.7	1,760.9	2,016.1	2,434.4	2,693.4	3,333.6	5,516.6	5,906.0
Milk	553.3	627.7	676.0	885.1	1,033.9	1,186.5	1,153.2	1,035.4	1,106.7	1,257.4	1,390.9	1,635.1
Eggs	196.3	196.9	216.1	227.4	253.4	275.3	295.2	291.2	297.7	291.6	304.4	321.4
Total livestock products(f)	1,970.4	2,214.5	2,564.3	(g)2,803.8	(g)3,100.6	(g)3,245.8	(g)3,489.8	(h)3,792.8	(i)4,125.3	(i)4,915.6	(h)7,256.2	(j)7,910.8
Total value of agricultural commodities produced	6,971.8	10,224.7	11,763.9	11,584.1	12,708.3	11,714.5	15,424.9	15,443.5	(k)15,406.9	(k)17,166.5	(k)20,151.8	(l)23,120.0
Less seed and fodder consumed or retained on farms(a)	422.1	513.2	638.6	829.2	829.5	1,069.0	1,139.1	720.1	796.4	883.5	907.9	1,159.8
Total value of agricultural commodities output	6,549.7	9,711.5	11,125.3	10,754.9	11,878.8	10,645.5	14,285.8	14,723.4	14,610.5	16,283.0	19,243.9	21,960.2

(a) Includes pastures and grasses. Excludes crops for green feed or silage. (b) Includes net exports of livestock. (c) Includes dairy cattle slaughtered. (d) Excludes Northern Territory pigs and poultry. (e) Includes goat slaughtering and exports. (f) Includes honey and beeswax. (g) Includes Australian Capital Territory milk and eggs. Excludes Northern Territory milk, liquid goat milk, honey and beeswax. Excludes Northern Territory and Australian Capital Territory milk and eggs. (h) Includes cashmere, cashgora, mohair, liquid goat milk, honey and beeswax. Excludes Northern Territory and Australian Capital Territory milk and eggs. (i) Excludes Northern Territory milk and eggs. (j) Excludes Northern Territory pigs, poultry, milk and eggs. (k) Includes Northern Territory pigs, poultry, milk and eggs. (l) Includes Northern Territory pigs, poultry, milk and eggs and Australian Capital Territory milk and eggs.

TABLE 28. INDEXES OF VALUES AT CONSTANT PRICES OF AGRICULTURAL COMMODITIES PRODUCED AND OUTPUT(a)
(1984-85 = 100.0)

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
Crops—												
Barley for grain	42.9	72.1	66.7	48.3	62.1	34.9	88.0	100.0	87.6	64.5	62.5	59.6
Oats for grain	70.3	125.1	100.1	80.1	114.8	60.4	163.0	100.0	94.3	117.1	127.6	132.5
Wheat for grain	49.8	96.7	86.0	57.2	87.3	46.9	117.9	100.0	85.7	88.0	65.2	75.0
Other cereal grains	55.0	81.6	67.0	83.2	95.2	66.2	110.7	100.0	97.4	92.4	106.6	89.9
Sugar cane(b)	97.9	84.2	85.7	95.9	99.5	102.1	91.7	100.0	98.7	96.7	97.8	103.5
Fruit and nuts	75.9	91.0	89.5	95.3	88.7	91.3	87.2	100.0	100.7	109.9	114.8	112.1
Grapes	78.4	78.1	94.1	80.9	92.9	88.5	92.7	100.0	101.8	93.6	92.1	100.2
Vegetables	73.3	80.3	79.9	79.5	83.6	81.9	86.5	100.0	98.8	104.6	117.1	116.3
All other crops(c)	50.1	66.2	64.6	62.3	70.5	58.6	88.4	100.0	102.4	105.3	113.4	114.3
Total crops	58.0	85.8	80.0	67.2	83.7	60.4	102.8	100.0	93.1	93.2	87.3	90.8
Livestock slaughtering and other disposals—												
Cattle and calves(d)	166.7	154.0	119.4	112.0	120.1	117.8	102.6	100.0	105.7	113.8	120.2	112.5
Sheep and lambs	83.8	81.0	98.4	101.1	94.0	101.3	94.9	100.0	106.5	110.6	107.3	98.3
Pigs	76.5	76.3	84.4	89.5	87.5	91.7	97.3	100.0	104.1	108.6	114.1	115.5
Poultry	71.2	78.5	90.7	87.8	80.9	90.7	86.3	100.0	106.2	111.2	116.7	119.5
Total livestock slaughtering and other disposals(e)	130.7	123.7	108.2	104.4	107.0	108.6	98.6	100.0	105.7	112.4	117.1	111.6
Livestock products—												
Wool	81.7	85.0	85.5	84.6	86.6	85.0	87.7	100.0	100.2	107.0	110.9	115.6
Milk	85.4	93.0	90.2	85.4	86.2	91.2	98.1	100.0	99.6	101.9	101.5	103.8
Eggs	118.6	115.3	113.3	108.6	105.0	108.9	106.0	100.0	101.0	102.2	105.1	101.2
Total livestock products(f)	85.5	89.4	88.9	86.6	87.9	88.5	92.0	100.0	100.0	105.2	107.8	112
Total agricultural commodities produced	82.6	96.0	89.1	81.1	90.5	79.1	99.1	100.0	97.9	100.9	99.7	100.9
Less seed and fodder consumed or retained on farms	79.1	106.8	108.0	111.8	110.1	77.4	138.6	100.0	100.2	108.5	104.5	114.4
Agricultural commodities output	82.8	95.4	88.2	79.6	89.5	79.2	97.2	100.0	97.8	100.5	99.4	100.3

(a) Indexes of values at constant prices (weighted by average unit values of the year 1984-85). (b) Sugar cane cut for crushing and planting. (c) Includes pastures and grasses. Excludes crops for green feed or silage. (d) Includes dairy cattle slaughtered. (e) Component series based on carcass weight. (f) Includes honey and beeswax.

EXPLANATORY NOTES

Introduction

The statistics contained in this publication are compiled annually for all States and Australia. They include gross and local values of production for all agricultural commodities; unit gross values of selected commodities; gross value of production of selected commodities classified by industry of the producing establishment; and indexes at constant prices of agricultural commodities produced. (For further information on the industry dissection of the gross value of production of selected commodities see paragraph 8 below, and on indexes at constant prices see paragraph 12 below).

Scope and coverage

2. The statistics are derived from quantity data collected in Agricultural Censuses and other ABS collections with some information from external sources. All price information is obtained from non-ABS sources.

3. The ABS excludes from the Census those establishments which make only a small contribution to overall agricultural production. Thus, establishments with agricultural activity have been included in the 1988-89 Census if they had, or were expected to have, an estimated value of agricultural operations (EVAO) of \$20,000 or more. In previous years this threshold value was \$2,500. For this publication the Census production data which underly value estimates have been adjusted to include those establishments with an EVAO of \$5,000 or more, to be comparable with previous years.

Information sources

4. *Quantity data.* Production of crops relates, in the main, to crops sown during the year ended 31 March. Statistics of perennial crops relate to the position as at 31 March and production during the year ended on that date. For example, particulars of production of wheat in Australia refer to wheat sown during the period from April to September and harvested between October and the following February, i.e. the 1988-89 season relates to the harvesting period October 1988 to February 1989. Statistics of other crops which in some States are harvested after 31 March 1989 (e.g. maize and potatoes) are collected by supplementary census returns. Information covering such commodities as livestock slaughterings, dairy produce and beekeeping is obtained from separate collections and from organisations such as the Department of Primary Industries and Energies, Australian Dairy Corporation, etc.

5. *Price data.* The method of collection of relevant prices for, and the costs of marketing of, agricultural commodities varies considerably between States and between commodities. Where a statutory authority handles marketing of the whole or portion of a product (e.g. Australian Wheat Board) 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 whether or 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.

Definitions of terms used

6. The following are brief definitions of the terms used.

- (a) *Gross value of commodities produced* is the value placed on recorded production at the wholesale prices realised in the market place.
- (b) *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 places.
- (c) *Marketing costs* include freight, cost of containers, commission and other charges incurred in marketing. Marketing costs are not on a completely comparable basis between States and, in addition, accurate information is difficult to obtain for many items. In consequence, differences between States in the relationship of local to gross value should be regarded with some caution.
- (d) *Local value of commodities produced* is the value placed on commodities at the place of production and is ascertained by deducting marketing costs from the gross value of commodities produced.

Gross and local values of agricultural commodities produced involve some duplication, as they include certain agricultural commodities which are consumed as raw materials to produce other agricultural commodities (e.g. hay consumed by livestock).

- (e) *Average unit gross values* are calculated by dividing the gross value of each commodity produced by the total production of each corresponding commodity.
- (f) *Values* include any relevant subsidy and bounty payments if based on production.
- (g) *Livestock slaughterings and other disposals.* Values for 'livestock slaughterings and other disposals' are published as one figure but include two distinct components:
 - (i) Value of livestock slaughtered
 - (ii) Value of net exports, i.e. the total value of livestock intended for slaughter in adjacent State(s) and livestock exported overseas whether for slaughter or breeding, minus the value of imports of livestock.

Data on value of livestock slaughterings by State of slaughter are available on request.

Gross value of production and industry of producing establishment

7. Table 26 contains gross values of production for selected agricultural commodities produced, classified by industry of the producing establishments.

8. The *Australian Standard Industrial Classification* (ASIC) defines the industries of the economy for statistical purposes, thus permitting the scope of the various economic statistics collections to be specified without gaps or overlapping between them. It also sets out standard rules for identifying the economic units operating in the economy and for classifying them to the industries of the Classification. The 1983 edition of ASIC has been used in compiling Table 26.

9. The gross values of the selected agricultural commodities included in Table 26 are derived by allocating the total Australian gross value of production for those commodities to ASIC classes or groups of classes according to the proportion of the total production of those commodities reported in the Agricultural Census by establishments classified to those classes or groups of classes. 'Non-agriculture' values are values for those establishments classified to an ASIC class other than one in ASIC Subdivision 01, Agriculture, but which produce the selected agricultural commodities.

10. The Agricultural Census data items used in allocating the proportion of each commodity's production to the various ASIC classes are the most relevant available items. For crops, grapevines, vegetables and wool the Agricultural Census data used were production data in metric quantity units of tonnes or kilograms, as applicable. For fruit, area of fruit trees, in hectares, was used; for livestock slaughterings, number disposed of or sold was used; and for milk and eggs, numbers of milk cattle and numbers of egg strain poultry respectively were used in lieu of production data.

11. As the data in Table 26 are derived according to various assumptions (see paragraph 10 above) they should be treated only as indicators.

Indexes of values at constant prices of agricultural commodities produced

12. Table 28 shows indexes of values at constant prices for agricultural commodities produced. These indexes have the same scope as the data on gross value of agricultural commodities produced and agricultural output shown in Table 27.

13. The indexes of values at constant prices are weighted by the average gross unit values for the year 1984-85 and are published with the reference period 1984-85 = 100.0.

14. The constant price indexes of crops, livestock slaughterings and other disposals, and livestock products are indexes of the gross value of agricultural commodities produced at constant prices. The index of agricultural out-

put is an index of value of agricultural *output* at constant prices. The latter index relates to that part of agricultural commodities produced and sold outside the agricultural sector and excludes the production of seed, feed and fodder consumed or retained on farms. The relationship between agricultural commodities produced and agricultural output is presented in Table 27 in current price value terms.

15. Indexes of the value of agricultural commodities produced and output at constant prices are measures of change in value after the direct effects of price changes have been eliminated. Measures of this type are, of necessity, subject to approximations and assumptions and they should not be interpreted in any precise quantitative sense.

16. In the main, the method used in compiling the constant price indexes has been to apply to current year quantities for individual farm commodities, the corresponding average unit gross values for 1984-85. Aggregates at constant prices (e.g. for livestock slaughterings) are then obtained by summation and converted to index numbers by dividing by the corresponding values in the reference base period. Indexes so derived may be described as fixed weights indexes, the weights of individual products in the aggregate measures being determined by their relative prices in the weighting base period. As prices do not all move in the same proportion or even in the same direction the choice of a particular weighting base period may affect the trend of the indexes.

Related publications

17. Users may also wish to refer to the following major priced publications which are available on request:

Agricultural Industries, Financial Statistics, Australia (7507.0)

Agricultural Industries, Structure of Operating Units, Australia (7102.0)

Summary of Crops, Australia (7330.0)

Livestock and Livestock Products, Australia (7221.0)

Value of Principal Agricultural Commodities Produced, Australia, Preliminary (7501.0)

Value of Selected Agricultural Commodities Produced, Australia, Preliminary (7502.0)

18. In addition to the information contained in these publications, agricultural statistics for small areas and for previous years are available on request. Small area statistics are also available on magnetic tape, microfiche, floppy disk and CD-ROM. These services are subject to a charge.

19. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to

be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- nil or rounded to zero
- n.e.i. not elsewhere included
- n.a. not available
- n.p. not available for publication but included in totals where applicable, unless otherwise indicated.

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

21. The figures shown in this publication have been revised where necessary and as a consequence may not agree with similar data shown in previous publications.

22. Where figures for individual States or Territories have been suppressed for reasons of confidentiality, the resultant totals have been appropriately footnoted in tables displaying State details.

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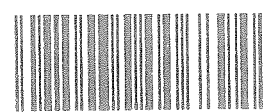
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Floppy disk service

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.



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