



1996-97

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AGRICULTURE

SOUTH
AUSTRALIA

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- For further information about these and related statistics, contact Peter Carmalt on Adelaide (08) 8237 7632, or any ABS office shown on the back cover of this publication.

NOTES

SYMBOLS AND OTHER USAGES

EVAO	Estimated Value of Agricultural Operations
ha	hectares
kg	kilograms
km	kilometres
\$m	million dollars
n.c.	not collected
n.e.c.	not elsewhere classified
no.	number
n.p.	not published
p	preliminary
r	figure or series revised since previous issue
SE%	percentage standard error
t	tonnes
t/ha	tonnes per hectare
*	SE% greater than 100. Estimate included for completeness. Sampling variability too high for most practical purposes.
**	Where an estimate is small compared to previous years, the relative standard error may be a misleading indicator of the reliability of the estimate
—	nil or rounded to zero

INQUIRIES

For further information about statistics in this publication and the availability of related unpublished statistics, contact Peter Carmalt on Adelaide (08) 8237 7632 or any ABS State office.

For information about other ABS statistics and services, please refer to the back of this publication.

Peter Gardner
Regional Director

SUMMARY OF FINDINGS

STRUCTURE OF AGRICULTURAL INDUSTRY

From 31 March 1996 to 31 March 1997 the number of establishments with agricultural activity decreased marginally. The total at 31 March 1997 (15,817) included 238 establishments with some agricultural activity but whose main activity was in some other industry, and 121 establishments which were not classified to any industry.

Of the 15,817 establishments with an estimated value of agricultural operations (EVAO) of \$5,000 or more at census selection, 13,455 (85.1%) had an EVAO of \$22,500 or more (see tables 1 and 2).

The main industries of the establishments with agricultural activity were:

	<i>Number</i>	<i>% of establishments with agricultural activity</i>
Grain growing	3 882	24.5
Grain-sheep/beef cattle farming	2 822	17.8
Grape growing	1 802	11.4
Sheep farming	1 502	9.5

At 31 March 1997, there were 3,882 (24.5%) establishments with an EVAO of \$5,000 or more classified to grain growing. This was a small increase from the 3,732 establishments classified to grain growing at 31 March 1996. There was also an increase of 2.5% in the number of establishments classified to grain sheep/beef cattle farming. The number of establishments in the grape growing industry increased from 1,769 to 1,802.

At 31 March 1997 there were 941 (5.9%) establishments with agricultural activity with an EVAO of \$500,000 or more. Of these, more than a third (385) were in the grain growing industry. More than half (52.1%) of the establishments in the grape growing industry were in the EVAO range \$50,000 to \$199,999, while those with an EVAO of \$500,000 or more accounted for only 3.9% of establishments classified to grape growing (see table 5).

For all establishments with agricultural activity, 32.8% had an area of less than 100 hectares and a further 25.2% had an area in the range 100 hectares to 499 hectares. There were 22 establishments with an area of 500,000 hectares or more at 31 March 1997 of which most were in the beef cattle industry. Despite the predominance of beef cattle industries in the large area range, 78.9% of all beef cattle farms were under 500 hectares (see table 6).

SUMMARY OF FINDINGS *continued*

LAND MANAGEMENT

At 31 March 1997, establishments with agricultural activity occupied 56,218,700 hectares. This was 57.1% of South Australia's total area. The area of cereal crops was 2,886,500 hectares, a marginal decrease on the previous year when 2,911,200 hectares were planted (see table 7).

A total of 3.5 million tree seedlings were planted during the year ended 31 March 1997. Of these, 35.2% were for timber or pulp, with most (85.8%) planted in the South East Statistical Division (SD). Seedlings planted for other purposes were spread throughout all SDs (see table 8).

During 1996–97, farmers erected 3,849 km of fencing to isolate and protect land. Most fencing was erected to protect areas of planted trees and shrubs or remnant native vegetation (see table 9).

CROPS AND PASTURES

As in previous years, wheat and barley were the main cereals grown in South Australia. Yields have returned to levels attained prior to 1994–95 when the drought was in full effect. The number of establishments growing triticale, as well as production, significantly increased during 1996–97.

WHEAT

The area planted to wheat in 1996–97 was 1,534,900 hectares while production at 2,794,900 tonnes was the highest in ten years. The Eyre SD accounted for 44.2% of the State's area planted and 36.6% of the State's production. The other main wheat regions, in terms of production, were the Yorke and Lower North SD (28.9%), Murray Lands SD (13.3%) and the Northern SD (12.9%) (see table 11).

In 1996–97, wheat for grain was grown by 6,283 farm establishments, most growing less than 200 hectares. Of the establishments growing wheat, only 3.0% planted 1,000 hectares or more (see tables 17 and 18).

WHEAT, Years ended 31 March



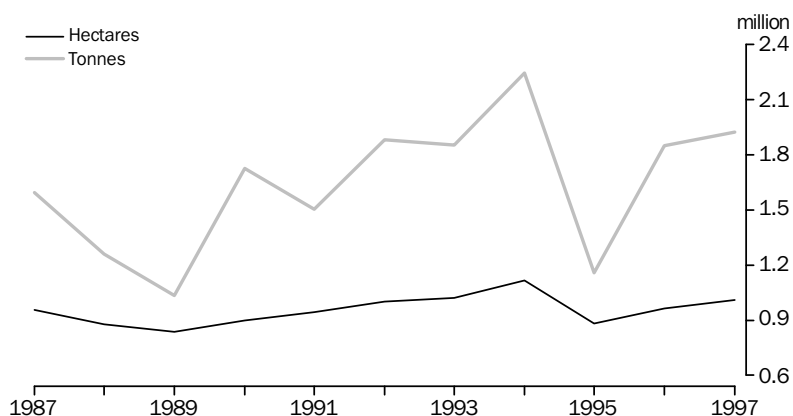
SUMMARY OF FINDINGS *continued*

BARLEY

Barley for grain was grown by 6,349 establishments on 1,008,900 hectares (up 4.7% on 1995–1996). Total production of barley in 1996–1997 was 1,923,200 tonnes, with an average yield of 1.9 tonnes per hectare.

The main barley growing regions were Yorke and Lower North SD (31.8% of area and 40.6% of production), Eyre SD (24.2% of area and 21.0% of production) and Murray Lands SD (24.0% of area and 17.2% of production) (see table 11).

BARLEY, Years ended 31 March

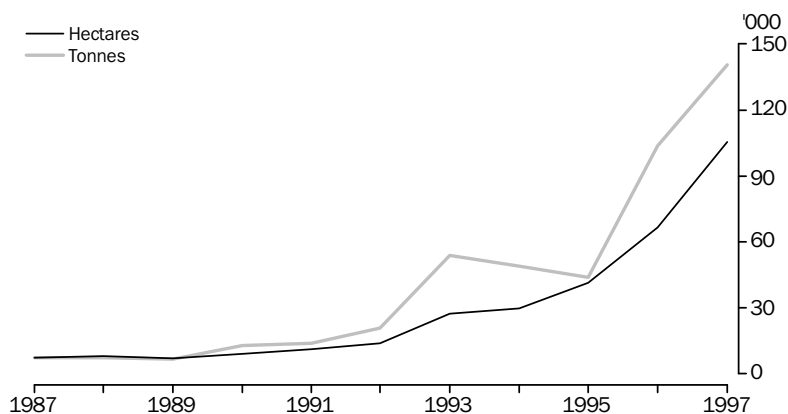


TRITICALE

There was 105,400 hectares of triticale sown in South Australia in 1996–1997, producing 140,500 tonnes. Triticale production has steadily increased over the last ten years, with a comparatively large increase since 1994–95. The Murray Lands SD, and Yorke and Lower North SD account for two thirds of production (see table 11).

The number of establishments growing triticale during 1996–1997 jumped by 52.9% over the previous year (see table 17).

TRITICALE, Years ended 31 March



SUMMARY OF FINDINGS *continued*

FIELD PEAS

In 1996–97, the area of field peas sown fell by 21.4% to 119,100 hectares, while production was also down 8.5% to 195,300 tonnes. The average yield rose to 1.6 tonnes per hectare in 1996–97 from 1.4 tonnes per hectare the previous year.

The main field pea growing region was Yorke and Lower North SD which accounted for 54.7% of the State's production (see table 12).

FIELD PEAS, Years ended 31 March



LUPINS

The total area sown to lupins decreased from 79,600 hectares in 1995–96 to 71,500 hectares in 1996–97. However, production increased by 13.2% to 101,800 tonnes following on from a large increase the previous year. Lupins were grown in all areas with most grown in the Eyre SD (see table 12).

LUPINS, Years ended 31 March



SUMMARY OF FINDINGS *continued*

HORTICULTURE

ORANGES

During 1996–97, total orange production was 180,700 tonnes, an increase of 6.0% over 1995–96. Murray Lands SD accounted for virtually all orange production in South Australia. Total tree numbers increased marginally but the number of trees under 6 years decreased by 12.0% (see table 19).

ORANGE PRODUCTION, Years ended 31 March—Tonnes



APPLES

Apple production during 1996–97 was 28,900 tonnes, an increase of 42.1% on the 1995–96 figure of 20,300 tonnes. The major apple growing areas in South Australia were Adelaide and Outer Adelaide SDs which together accounted for 84.4% of the State's production and 73.9% of the State's trees (see table 19).

APPLE PRODUCTION, Years ended 31 March—Tonnes



SUMMARY OF FINDINGS *continued*

MANDARINS

Mandarin production increased, by 47.3% to 16,000 tonnes, with a yield of 103 kilograms per tree (see table 19).

STONE FRUIT

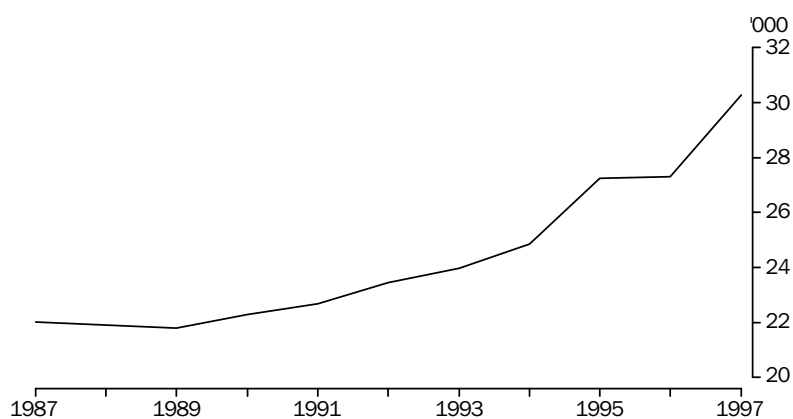
Production during 1996–97 increased for apricots (by 13.9%), cherries (69.1%), nectarines (30.7%), peaches (5.3%) and plums and prunes (6.0%) over the 1995–96 production. The average yield per tree also increased for these fruits (see table 20).

GRAPES

The total area of vines at harvest in 1996–97 increased by 8.6% over the previous year to 38,500 hectares; however, total grape production fell by 7.9% to 374,600 tonnes.

The major wine grape growing area was Murray Lands SD which accounted for 49.8% of the State's wine grape production; this was followed by Adelaide and Outer Adelaide SDs with 30.9%. Murray Lands SD remained the principal region growing grapes for drying, accounting for 93.9% of the State's total dried grape production (see table 22).

GRAPE BEARING AREA, Years ended 31 March—Hectares



SUMMARY OF FINDINGS *continued*

POTATOES

Potatoes are the main vegetable grown in South Australia. The total area planted in 1996–97 was 8,600 hectares, an increase of 6.2% over 1995–96. However production fell slightly to 285,300 tonnes (see tables 25 and 26).

POTATO PRODUCTION, Years ended 31 March—Tonnes



SUMMARY OF FINDINGS *continued*

LIVESTOCK AND LIVESTOCK PRODUCTS

MEAT CATTLE

The South Australian meat cattle herd at 31 March 1997 was 1.0 million, down from 1.1 million at 31 March 1996. There were also fewer establishments with meat cattle at 31 March 1997, with 5,588 compared to 5,879 the previous year. The major SDs in terms of numbers of meat cattle were South East and Northern with 48.2% and 21.3%, respectively, of the State's meat cattle.

At 31 March 1997, 7.2% of all establishments with meat cattle had a herd size of 500 or more. These establishments accounted for 51.5% of all meat cattle (see tables 29, 30 and 31).

MEAT CATTLE, At 31 March



SUMMARY OF FINDINGS *continued*

MILK CATTLE

The milk cattle herd increased to 157,200 at 31 March 1997, an increase of 5.0% on the previous year. Milk cattle numbers are returning to levels of a decade ago after reaching a low of 133,000 in 1991. The number of establishments with milk cattle increased marginally to 964. The major SDs in terms of milk cattle numbers were Adelaide and Outer Adelaide SDs which together accounted for 41.7% of the State's milk cattle herd (see tables 32 and 33).

At 31 March 1997, herd sizes of 250 or more were recorded by 19.1% of establishments with milk cattle. These establishments accounted for 45.0% of the milk cattle herd (see table 34).

MILK CATTLE, At 31 March



SUMMARY OF FINDINGS *continued*

SHEEP AND LAMBS

Sheep and lamb numbers at 31 March 1997 were 13.1 million, a decrease of 3.5% on the previous year, and continuing the downward trend since 1990. The major SD in terms of sheep and lamb numbers was South East which accounted for 25.5% of the State's flock.

There were 8,811 establishments with sheep and lambs at 31 March 1997, a decrease of 3.1% from the previous year. The number of lambs marked in South Australia fell slightly to 5.1 million (see tables 35, 36, 37 and 38).

SHEEP AND LAMBS, At 31 March



PIGS

Pig numbers at 31 March 1997 rose 1.2% on the previous year to 417,000. The major SDs in terms of pig numbers were Murray Lands, and Adelaide and Outer Adelaide which together accounted for 67.6% of the State's herd.

The number of establishments with pigs was 821, a decrease of 11.0% from the previous year. There were 323 establishments (39.3%) with 200 or more pigs; these establishments accounted for 91.8% of the State's herd (see tables 39 and 40).

PIGS, At 31 March



SUMMARY OF FINDINGS *continued*

LIVESTOCK PRODUCTS

The number of cattle and calves slaughtered decreased by 8.2% in 1996–97 after remaining virtually unchanged in 1995–96. The number of sheep and lamb slaughterings also fell in 1996–97, by 5.4% (following a drop of 20.2% in 1995–96). Pig slaughterings increased 6.6% in 1996–97, after decreasing by 19.8% in 1995–96.

Whole milk intake by factories has increased steadily over recent years. Factory intake was 535 million litres in 1996–97, an increase of 5.3% over the previous year. This followed an increase of 5.8% in 1995–96.

VALUE OF AGRICULTURAL COMMODITIES PRODUCED

At the time of publication, preliminary figures only were available for the gross value of agricultural commodities produced during 1996–97. Wheat was the leading crop in terms of value of production (\$602.1m). This was a decrease of 16.8% over the previous year. Barley was the second biggest crop in terms of gross value (\$358.6m) (see table 16).

Preliminary figures show that grapes remained the leading individual fruit in value terms at \$298.3m, followed by oranges with a value of production of \$86.1m; these two commodities accounted for 69.2% of the gross value of fruit production in South Australia (see table 24).

Potatoes remained the principal vegetable in terms of gross value. In 1996–97, potato production was valued at \$100.6m. This was a decrease of 2.0% over the previous year. Onions were the second biggest vegetable in terms of gross value (\$41.8m); this was a decrease of 3.5% over the 1995–96 season (see table 27).

The gross value of livestock slaughterings in 1996–97 decreased marginally to \$416.6m. Cattle and calves slaughterings represented 33.0% of the total gross value of livestock slaughterings, followed by sheep and lambs which represented 32.3% (see table 46).

For 1996–97, the gross value of wool production was \$280.2m. The gross value of eggs decreased by 12.7% to \$14.4m. During 1996–97, the gross value of milk was \$172.7m, an increase of 10.4% over the previous year (see table 46).

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ESTABLISHMENTS BY INDUSTRY, EVAO \$5,000 and over, at 31 March(a)

Industry class		1995	1996	1997
ANZSIC code	Industry of establishment	no.	no.	no.
0111	Plant nurseries	128	125	128
0112	Cut flower and flower seed growing	122	125	125
0113	Vegetable growing	569	561	535
0114	Grape growing	1 730	1 769	1 802
0115	Apple and pear growing	141	130	128
0116	Stone fruit growing	383	330	359
0119	Fruit growing n.e.c.	697	666	671
0121	Grain growing	2 652	3 732	3 882
0122	Grain-sheep/beef cattle farming	3 588	2 753	2 822
0123	Sheep-beef cattle farming	1 108	1 084	956
0124	Sheep farming	1 617	1 468	1 502
0125	Beef cattle farming	1 224	1 203	1 090
0130	Dairy cattle farming	850	825	821
0141	Poultry farming (meat)	72	71	68
0142	Poultry farming (eggs)	47	43	44
0151	Pig farming	221	169	145
0152	Horse farming	109	106	101
0153	Deer farming	49	50	26
0159	Livestock farming n.e.c.	194	216	142
0169	Crop and plant growing n.e.c.	110	136	111
Total (ANZSIC Code 01)		15 611	15 562	15 458
02	Services to agriculture; hunting and trapping	24	43	46
03	Forestry and logging	—	—	—
04	Commercial fishing	6	7	6
Total (ANZSIC Division A)		15 641	15 612	15 510
All other ANZSIC Divisions		165	184	186
Unclassified		146	144	121
Total all industries		15 952	15 940	15 817

(a) Number of establishments with an EVAO of \$5,000 or more at the time of selection in the agricultural census. See explanatory note 4 on page 62.

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ESTABLISHMENTS BY INDUSTRY, EVAO \$22,500 and over, at 31 March

<i>Industry class</i>		1995	1996	1997
<i>ANZSIC code</i>	<i>Industry of establishment</i>	no.	no.	no.
0111	Plant nurseries	115	114	117
0112	Cut flower and flower seed growing	94	95	90
0113	Vegetable growing	488	485	447
0114	Grape growing	1 403	1 521	1 592
0115	Apple and pear growing	124	120	121
0116	Stone fruit growing	273	216	282
0119	Fruit growing n.e.c.	574	562	562
0121	Grain growing	2 459	3 588	3 729
0122	Grain-sheep/beef cattle farming	3 395	2 632	2 717
0123	Sheep-beef cattle farming	937	932	804
0124	Sheep farming	1 201	1 097	1 161
0125	Beef cattle farming	540	542	429
0130	Dairy cattle farming	831	802	793
0141	Poultry farming (meat)	70	68	65
0142	Poultry farming (eggs)	42	36	38
0151	Pig farming	193	146	127
0152	Horse farming	59	59	60
0153	Deer farming	47	49	10
0159	Livestock farming n.e.c.	133	172	76
0169	Crop and plant growing n.e.c.	88	100	75
Total (ANZSIC Code 01)		13 066	13 336	13 295
02	Services to agriculture; hunting and trapping	13	21	25
03	Forestry and logging	—	—	—
04	Commercial fishing	—	4	3
Total (ANZSIC Division A)		13 079	13 361	13 323
All other ANZSIC Divisions		110	132	132
Unclassified		—	—	—
Total all industries		13 189	13 493	13 455

3 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, Statistical Divisions, EVAO \$5,000 & over(a)(b)

Statistical division	1995	1996	1997
	no.	no.	no.
Adelaide and Outer Adelaide	4 224	4 193	4 111
Yorke and Lower North	2 271	2 258	2 242
Murray Lands	3 848	3 806	3 839
South East	2 608	2 656	2 637
Eyre	1 618	1 643	1 627
Northern	1 383	1 384	1 361
South Australia	15 952	15 940	15 817

(a) See explanatory note 4 on page 62.

(b) Figures are at 31 March.

4 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, Statistical Divisions, EVAO \$22,500 & over(a)

Statistical division	1995	1996	1997
	no.	no.	no.
Adelaide and Outer Adelaide	2 911	2 991	2 952
Yorke and Lower North	2 002	2 056	2 048
Murray Lands	3 346	3 392	3 449
South East	2 164	2 214	2 192
Eyre	1 530	1 569	1 559
Northern	1 236	1 271	1 255
South Australia	13 189	13 493	13 455

(a) Figures are at 31 March.

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ESTABLISHMENTS BY INDUSTRY, By EVAO range, at 31 March 1997(a)

ESTIMATED VALUE OF AGRICULTURAL OPERATIONS(\$).....

Industry class		Less than 5,000(a)	5,000 to 22,499	22,500 to 49,999	50,000 to 99,999
ANZSIC code	Industry of establishment	no.	no.	no.	no.
0111	Plant nurseries	—	11	20	37
0112	Cut flower and flower seed growing	3	32	36	33
0113	Vegetable growing	17	71	75	82
0114	Grape growing	14	196	345	465
0115	Apple and pear growing	1	6	10	21
0116	Stone fruit growing	6	71	92	110
0119	Fruit growing n.e.c.	10	99	105	157
0121	Grain growing	17	136	235	444
0122	Grain-sheep/beef cattle farming	6	99	316	608
0123	Sheep-beef cattle farming	12	140	165	235
0124	Sheep farming	33	308	340	316
0125	Beef cattle farming	98	563	192	93
0130	Dairy cattle farming	2	26	37	105
0141	Poultry farming (meat)	1	2	2	7
0142	Poultry farming (eggs)	1	5	4	5
0151	Pig farming	2	16	15	16
0152	Horse farming	2	39	37	13
0153	Deer farming	3	13	6	4
0159	Livestock farming n.e.c.	14	52	43	19
0169	Crop and plant growing n.e.c.	4	32	20	17
Total (ANZSIC Code 01)		246	1 917	2 095	2 787
02	Services to agriculture; hunting and trapping	2	19	12	7
03	Forestry and logging	—	—	—	—
04	Commercial fishing	—	3	1	1
Total (ANZSIC Division A)		248	1 939	2 108	2 795
All other ANZSIC Divisions		8	46	46	34
Unclassified		121	—	—	—
Total all industries		377	1 985	2 154	2 829

(a) See explanatory note 4 on page 62.

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ESTABLISHMENTS BY INDUSTRY, By EVAO range, at 31 March 1997 *continued*

ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (\$)

Industry class		100,000 to 199,999	200,000 to 499,999	500,000 or more	Total establishments
ANZSIC code	Industry of establishment	no.	no.	no.	no.
0111	Plant nurseries	22	30	8	128
0112	Cut flower and flower seed growing	14	4	3	125
0113	Vegetable growing	63	101	126	535
0114	Grape growing	474	237	71	1 802
0115	Apple and pear growing	29	37	24	128
0116	Stone fruit growing	54	16	10	359
0119	Fruit growing n.e.c.	127	122	51	671
0121	Grain growing	1 004	1 661	385	3 882
0122	Grain-sheep/beef cattle farming	1 033	691	69	2 822
0123	Sheep-beef cattle farming	238	131	35	956
0124	Sheep farming	300	180	25	1 502
0125	Beef cattle farming	65	55	24	1 090
0130	Dairy cattle farming	286	319	46	821
0141	Poultry farming (meat)	21	23	12	68
0142	Poultry farming (eggs)	3	13	13	44
0151	Pig farming	45	34	17	145
0152	Horse farming	9	—	1	101
0153	Deer farming	—	—	—	26
0159	Livestock farming n.e.c.	8	4	2	142
0169	Crop and plant growing n.e.c.	11	19	8	111
Total (ANZSIC Code 01)		3 806	3 677	930	15 458
02	Services to agriculture; hunting and trapping	3	3	—	46
03	Forestry and logging	—	—	—	—
04	Commercial fishing	—	1	—	6
Total (ANZSIC Division A)		3 809	3 681	930	15 510
All other ANZSIC Divisions		21	20	11	186
Unclassified		—	—	—	121
Total all industries		3 830	3 701	941	15 817

AREA OF ESTABLISHMENTS (HECTARES).....

<i>Industry class</i>		0 to 49	50 to 99	100 to 499	500 to 999	1,000 to 2,499
<i>ANZSIC code</i>	<i>Industry of establishment</i>	no.	no.	no.	no.	no.
0111	Plant nurseries	112	5	9	2	—
0112	Cut flower and flower seed growing	106	10	7	—	2
0113	Vegetable growing	333	67	82	22	25
0114	Grape growing	1 487	121	158	23	12
0115	Apple and pear growing	90	18	14	6	—
0116	Stone fruit growing	334	14	8	2	—
0119	Fruit growing n.e.c.	592	35	29	10	3
0121	Grain growing	64	122	970	1 124	1 158
0122	Grain-sheep/beef cattle farming	16	53	776	845	817
0123	Sheep-beef cattle farming	35	64	339	225	178
0124	Sheep farming	62	86	512	337	232
0125	Beef cattle farming	261	247	352	88	65
0130	Dairy cattle farming	67	141	487	93	28
0141	Poultry farming (meat)	51	10	6	—	1
0142	Poultry farming (eggs)	26	5	6	1	6
0151	Pig farming	51	24	52	9	7
0152	Horse farming	51	26	22	2	—
0153	Deer farming	15	3	7	1	—
0159	Livestock farming n.e.c.	116	10	10	3	2
0169	Crop and plant growing n.e.c.	33	18	36	17	7
Total (ANZSIC Code 01)		3 902	1 079	3 882	2 810	2 543
02	Services to agriculture; hunting and trapping	11	10	19	4	2
03	Forestry and logging	—	—	—	—	—
04	Commercial fishing	1	—	3	—	1
Total (ANZSIC Division A)		3 914	1 089	3 904	2 814	2 546
All other ANZSIC Divisions		87	30	48	9	11
Unclassified		56	14	30	8	9
Total all industries		4 057	1 133	3 982	2 831	2 566

(a) See explanatory note 4 on page 62.

AREA OF ESTABLISHMENTS (HECTARES).....

Industry class		2,500 to 4,999	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 or more	Total establishments
ANZSIC code	Industry of establishment	no.	no.	no.	no.	no.	no.
0111	Plant nurseries	—	—	—	—	—	128
0112	Cut flower and flower seed growing	—	—	—	—	—	125
0113	Vegetable growing	6	—	—	—	—	535
0114	Grape growing	1	—	—	—	—	1 802
0115	Apple and pear growing	—	—	—	—	—	128
0116	Stone fruit growing	1	—	—	—	—	359
0119	Fruit growing n.e.c.	1	—	—	1	—	671
0121	Grain growing	330	93	17	2	2	3 882
0122	Grain-sheep/beef cattle farming	219	68	23	2	3	2 822
0123	Sheep-beef cattle farming	55	32	12	5	11	956
0124	Sheep farming	75	39	45	37	77	1 502
0125	Beef cattle farming	24	7	3	1	42	1 090
0130	Dairy cattle farming	5	—	—	—	—	821
0141	Poultry farming (meat)	—	—	—	—	—	68
0142	Poultry farming (eggs)	—	—	—	—	—	44
0151	Pig farming	1	—	1	—	—	145
0152	Horse farming	—	—	—	—	—	101
0153	Deer farming	—	—	—	—	—	26
0159	Livestock farming n.e.c.	1	—	—	—	—	142
0169	Crop and plant growing n.e.c.	—	—	—	—	—	111
Total (ANZSIC Code 01)		719	239	101	48	135	15 458
02	Services to agriculture; hunting and trapping	—	—	—	—	—	46
03	Forestry and logging	—	—	—	—	—	—
04	Commercial fishing	—	1	—	—	—	6
Total (ANZSIC Division A)		719	240	101	48	135	15 510
All other ANZSIC Divisions		—	—	1	—	—	186
Unclassified		1	1	1	—	1	121
Total all industries		720	241	103	48	136	15 817

7

AREA AND LAND USE OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, At 31 March 1997

Statistical division	Area of cereal crops	Area of other crops	Area of orchard trees	Area of vegetables
	'000 ha	'000 ha	'000 ha	'000 ha
Adelaide and Outer Adelaide	138.4	43.4	3.8	4.6
Yorke and Lower North	694.3	109.5	0.1	—
Murray Lands	610.5	52.0	13.8	5.4
South East	111.1	61.0	0.2	3.3
Eyre	1 015.3	43.5	0.1	—
Northern	317.0	39.9	—	—
South Australia				
1997	2 886.5	349.4	18.1	13.3
1996	2 911.2	373.4	18.4	13.6
1995	2 496.4	339.9	18.1	12.6

Statistical division	Area of agricultural holdings	Area of non-agricultural land(a)	Total area (agricultural and non-agricultural land)
	'000 ha	'000 ha	'000 ha
Adelaide and Outer Adelaide	854.3	533.2	1 387.5
Yorke and Lower North	1 686.9	164.7	1 851.6
Murray Lands	3 422.7	1 356.6	4 779.3
South East	1 710.8	421.2	2 132.0
Eyre	4 532.2	2 703.2	7 235.4
Northern	44 011.7	37 011.1	81 022.8
South Australia			
1997	56 218.7	42 189.8	98 408.5
1996	56 901.0	41 507.5	98 408.5
1995	56 101.0	42 307.5	98 408.5

(a) Comprises conserved land, forestry, urban and unused land such as vacant Crown land, commercially unused land on Aboriginal and other Crown reserves and waste land, ephemeral lakes, etc.

SEEDLINGS PLANTED.....

Statistical division	For timber/pulp.....		Other purposes.....	
	'000	ha	'000	ha
Adelaide and Outer Adelaide	130.9	158.6	259.1	1 252.2
Yorke and Lower North	7.6	5.2	269.5	731.3
Murray Lands	27.1	23.7	705.5	1 135.4
South East	1 066.8	844.2	324.7	2 775.4
Eyre	2.2	4.6	456.2	1 636.8
Northern	8.4	8.0	274.2	542.9
South Australia				
1997	1 242.9	1 044.3	2 289.2	8 074.0
1996	819.9	900.4	795.3	1 767.3

SEED SOWN.....

TIMBER HARVESTED.....

Statistical division	SEED SOWN.....		TIMBER HARVESTED.....	
	kg	ha	Hardwood t	Softwood t
Adelaide and Outer Adelaide	1 130	567.7	30	1 372
Yorke and Lower North	42	47.8	—	—
Murray Lands	283	531.5	35	—
South East	428	442.0	15	11 479
Eyre	150	57.7	—	—
Northern	109	0.5	5	—
South Australia				
1997	2 142	1 647.2	85	12 851
1996	1 125	947.0	226	13 433

(a) Data in this table are an aggregation from responding establishments. No imputation has been made for non-responding establishments.

9

FENCING, Year ended 31 March 1997(a)

KILOMETRES ERECTED TO ISOLATE.....

<i>Statistical division</i>	<i>Saline areas</i> km	<i>Other degraded areas</i> km	<i>Creeks and rivers</i> km	<i>Remnant native vegetation</i> km	<i>Planted trees and shrubs</i> km
Adelaide and Outer Adelaide	108.0	44.7	232.8	215.8	312.1
Yorke and Lower North	57.9	16.0	30.6	103.8	160.9
Murray Lands	85.4	151.2	86.0	181.2	250.7
South East	8.5	33.1	7.2	202.9	359.6
Eyre	193.2	56.6	27.0	273.9	173.9
Northern	17.2	10.5	11.7	22.1	414.0
South Australia					
1997	470.2	312.1	395.3	999.7	1 671.2
1996	577.0	376.0	366.5	828.2	2 410.0

(a) Data in this table are an aggregation from responding establishments. No imputation has been made for non-responding establishments.

10

CROPS AND PASTURES IRRIGATED, Year ended 31 March 1997(a)

<i>Statistical division</i>	<i>Cereals</i> ha	<i>Fruit and nuts</i> ha	<i>Grapevines</i> ha	<i>Pastures</i> ha	<i>Vegetables</i> ha	<i>Other crops</i> ha	<i>Total</i> ha
Adelaide and Outer Adelaide	219	2 668	10 744	6 380	3 001	962	23 974
Yorke and Lower North	20	10	1 827	289	—	135	2 281
Murray Lands	837	10 860	11 342	10 177	3 018	1 641	37 874
South East	1 764	108	6 491	33 196	2 011	7 472	51 041
Eyre	—	105	10	7	3	—	125
Northern	16	43	18	74	7	25	183
South Australia							
1997	2 856	13 793	30 432	50 123	8 040	10 234	115 478
1996	n.c.	n.c.	n.c.	n.c.	n.c.	n.c.	92 100

(a) Data in this table are an aggregation from responding establishments. No imputation has been made for non-responding establishments.

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CEREALS FOR GRAIN, Year ended 31 March 1997

Statistical division	BARLEY			OATS		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Adelaide and Outer Adelaide	50.7	112.0	2.2	13.3	25.0	1.9
Yorke and Lower North	320.7	780.8	2.4	16.4	29.7	1.8
Murray Lands	241.9	330.3	1.4	19.1	21.0	1.1
South East	47.5	85.6	1.8	9.4	16.4	1.7
Eyre	244.5	403.4	1.7	53.0	51.4	1.0
Northern	103.7	211.2	2.0	9.4	12.2	1.3
South Australia						
1997	1 008.9	1 923.2	1.9	120.6	155.8	1.3
1996	963.5	1 851.1	1.9	119.6	161.9	1.4
1995	881.9	1 158.7	1.3	94.9	87.0	0.9

Statistical division	TRITICALE.....			WHEAT.....		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Adelaide and Outer Adelaide	6.9	15.1	2.2	48.5	127.3	2.6
Yorke and Lower North	20.0	42.9	2.1	308.8	807.4	2.6
Murray Lands	55.3	51.0	0.9	266.4	372.7	1.4
South East	4.0	7.3	1.8	40.4	104.7	2.6
Eyre	17.1	20.3	1.2	679.0	1 022.2	1.5
Northern	2.1	3.9	1.9	191.9	360.5	1.9
South Australia						
1997	105.4	140.5	1.3	1 534.9	2 794.9	1.8
1996	66.4	103.8	1.6	1 519.1	2 724.0	1.8
1995	41.4	43.9	1.1	1 394.7	1 487.4	1.1

CHICK PEAS

FABA BEANS

Statistical division	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Adelaide and Outer Adelaide	1.2	1.8	1.5	3.7	8.6	2.3
Yorke and Lower North	6.7	10.6	1.6	5.7	11.5	2.0
Murray Lands	—	—	—	2.2	4.8	2.2
South East	0.3	0.3	0.9	12.1	29.9	2.5
Eyre	0.5	0.5	1.0	1.8	3.9	2.2
Northern	3.1	3.7	1.2	6.0	10.8	1.8
South Australia						
1997	11.8	16.8	1.4	31.5	69.5	2.2
1996	12.3	17.3	1.4	26.0	51.0	2.0
1995	12.9	7.9	0.6	31.9	30.5	1.0

FIELD PEAS

LUPINS

Statistical division	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Adelaide and Outer Adelaide	14.3	27.3	1.9	3.8	5.7	1.5
Yorke and Lower North	62.9	106.8	1.7	7.2	11.5	1.6
Murray Lands	9.0	13.2	1.5	18.2	26.0	1.4
South East	4.8	8.1	1.7	16.3	21.5	1.3
Eyre	12.2	15.6	1.3	21.6	31.3	1.4
Northern	15.9	24.2	1.5	4.3	5.7	1.3
South Australia						
1997	119.1	195.3	1.6	71.5	101.8	1.4
1996	151.6	213.5	1.4	79.6	89.9	1.1
1995	167.0	141.4	0.8	82.7	56.3	0.7

Statistical division	CEREAL CROPS.....			OTHER CROPS.....		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Adelaide and Outer Adelaide	16.7	73.3	4.4	1.5	4.8	3.1
Yorke and Lower North	26.1	109.1	4.2	2.0	6.5	3.2
Murray Lands	19.5	60.3	3.1	1.6	4.2	2.6
South East	7.9	29.8	3.8	1.2	3.4	2.8
Eyre	13.9	33.9	2.4	0.5	1.2	2.5
Northern	7.4	23.7	3.2	0.8	2.4	3.2
South Australia						
1997	91.5	330.0	3.6	7.6	22.6	3.0
1996	124.7	443.8	3.6	8.3	25.8	3.1
1995	87.5	211.1	2.4	2.2	4.3	2.0

Statistical division	TOTAL CROPS.....			LUCERNE.....		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Adelaide and Outer Adelaide	18.3	78.1	4.3	2.1	11.9	5.5
Yorke and Lower North	28.2	115.6	4.1	2.0	6.2	3.1
Murray Lands	21.1	64.4	3.1	4.3	21.4	5.0
South East	9.1	33.2	3.6	11.4	39.1	3.4
Eyre	14.4	35.1	2.4	0.6	1.6	2.5
Northern	8.1	26.2	3.2	1.4	3.9	2.7
South Australia						
1997	99.2	352.6	3.6	21.9	84.0	3.8
1996	133.0	469.6	3.5	21.3	80.9	3.8
1995	89.7	215.4	2.4	22.5	77.9	3.5

Statistical division	OTHER PASTURES.....			TOTAL PASTURES.....		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Adelaide and Outer Adelaide	22.2	66.9	3.0	24.4	78.8	3.2
Yorke and Lower North	10.7	29.6	2.8	12.7	35.8	2.8
Murray Lands	6.6	15.0	2.3	10.9	36.5	3.3
South East	35.1	121.2	3.5	46.6	160.2	3.4
Eyre	3.4	7.3	2.2	4.0	8.9	2.2
Northern	3.2	9.0	2.8	4.6	12.8	2.8
South Australia						
1997	81.3	249.0	3.1	103.2	333.0	3.2
1996	82.7	248.8	3.0	104.0	329.7	3.2
1995	98.3	284.8	2.9	120.7	362.7	3.0

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OILSEEDS, Year ended 31 March 1997

Statistical division	CANOLA.....			SAFFLOWER		
	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Adelaide and Outer Adelaide	3.3	4.3	1.3	—	—	—
Yorke and Lower North	11.5	17.8	1.5	1.2	0.8	0.7
Murray Lands	2.3	3.2	1.4	0.2	0.1	0.4
South East	11.1	16.4	1.5	3.4	2.6	0.8
Eyre	4.8	7.6	1.6	0.6	0.1	0.2
Northern	2.8	3.5	1.2	0.3	0.2	0.7
South Australia						
1997	36.0	52.9	1.5	5.7	3.8	0.7
1996	30.4	48.1	1.6	4.7	3.0	0.6
1995	24.5	25.9	1.1	7.9	3.8	0.5

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OTHER CROPS, Year ended 31 March 1997

Statistical division	CORIANDER			VETCHES FOR SEED.....		
	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Adelaide and Outer Adelaide	—	—	—	0.5	0.7	1.3
Yorke and Lower North	0.7	0.6	0.8	8.7	6.0	0.7
Murray Lands	—	0.1	2.4	4.6	1.6	0.3
South East	0.8	0.9	1.1	0.1	—	0.2
Eyre	—	—	—	1.4	0.7	0.5
Northern	—	—	—	6.7	3.6	0.5
South Australia						
1997	1.6	1.6	1.0	22.0	12.6	0.6
1996	1.0	1.2	1.2	14.7	10.4	0.7
1995	2.6	1.7	0.7	8.6	5.1	0.6

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GROSS VALUE OF SELECTED CROPS AND PASTURES, Years ended 30 June

	1994-95	1995-96 ^r	1996-97 ^p
	\$m	\$m	\$m
Cereals for grain			
Barley	250.6	415.6	358.6
Oats	15.8	25.9	19.2
Triticale	7.5	19.7	20.8
Wheat	351.5	724.1	602.1
Other	2.6	3.3	0.7
Total	628.0	1 188.6	1 001.3
Crops for hay			
Cereals	23.2	57.6	39.0
Other	0.3	1.9	1.7
Total	23.5	59.5	40.7
Pastures and grasses for hay			
Lucerne	13.7	11.7	12.3
Other	37.3	29.4	43.7
Total	51.0	41.2	56.0

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ESTABLISHMENTS GROWING CEREALS FOR GRAIN, Year ended 31 March 1997

	Barley	Oats	Triticale	Wheat
Statistical division	no.	no.	no.	no.
Adelaide and Outer Adelaide	654	462	174	572
Yorke and Lower North	1 763	537	363	1 742
Murray Lands	1 340	418	518	1 180
South East	631	301	115	466
Eyre	1 188	666	247	1 424
Northern	773	288	46	899
South Australia				
1997	6 349	2 672	1 463	6 283
1996	6 234	2 779	957	6 115
1995	5 962	2 484	654	6 013

	AREA SOWN (HECTARES).....					
	0 to 49	50 to 99	100 to 149	150 to 199	200 to 299	300 to 399
Barley for grain						
establishments (number)	1 475	1 331	1 099	643	944	357
percentage of total establishments	23.2	21.0	17.3	10.1	14.9	5.6
area (hectares)	40 313	95 248	131 025	108 614	222 598	119 601
percentage of total area of barley planted	4.0	9.4	13.0	10.8	22.1	11.9
production (tonnes)	81 971	188 259	253 780	210 203	431 326	223 418
percentage of total barley production	4.3	9.8	13.2	10.9	22.4	0.1
Oats for grain						
establishments (number)	2 001	373	148	47	68	10
percentage of total establishments	74.9	14.0	5.5	1.8	2.5	—
area (hectares)	38 718	25 104	16 990	7 778	15 614	3 213
percentage of total area of oats planted	32.1	20.8	14.1	6.4	12.9	0.0
production (tonnes)	63 339	36 098	20 750	7 324	16 539	2 127
percentage of total oats production	40.7	23.2	13.3	4.7	10.6	1.4
Triticale for grain						
establishments (number)	797	330	151	73	75	18
percentage of total establishments	54.5	22.6	10.3	5.0	5.1	1.2
area (hectares)	18 791	22 606	17 389	12 288	16 707	5 901
percentage of total area of triticale planted	17.8	21.4	16.5	11.7	15.8	5.6
production (tonnes)	31 806	36 180	22 303	14 071	19 904	6 786
percentage of total triticale production	22.6	25.7	15.9	10.0	14.2	4.8
Wheat for grain						
establishments (number)	1 100	1 074	926	585	934	510
percentage of total establishments	17.5	17.1	14.7	9.3	14.9	8.1
area (hectares)	30 525	77 441	110 240	99 270	222 617	172 628
percentage of total area of wheat planted	2.0	5.0	7.2	6.5	14.5	11.2
production (tonnes)	67 787	169 133	240 518	219 404	477 166	335 714
percentage of total wheat production	2.4	6.1	8.6	7.9	17.1	12.0

(a) Year ended 31 March 1997.

	AREA SOWN (HECTARES).....					Total
	400 to 499	500 to 999	1,000 to 1,499	1,500 to 1,999	2,000 or over	
Barley for grain						
establishments (number)	236	235	22	6	1	6 349
percentage of total establishments	3.7	3.7	0.3	0.1	—	100.0
area (hectares)	101 163	152 377	25 285	9 898	2 803	1 008 925
percentage of total area of barley planted	10.0	15.1	2.5	1.0	0.3	100.0
production (tonnes)	186 188	287 960	44 835	15 247	25	1 923 213
percentage of total barley production	9.7	15.0	2.3	0.8	—	100.0
Oats for grain						
establishments (number)	14	10	1	—	—	2 672
percentage of total establishments	0.5	0.4	—	—	—	100.0
area (hectares)	5 701	6 371	1 111	—	—	120 600
percentage of total area of oats planted	4.7	5.3	0.9	—	—	100.0
production (tonnes)	4 074	4 327	1 175	—	—	155 752
percentage of total oats production	2.6	2.8	0.8	—	—	100.0
Triticale for grain						
establishments (number)	5	13	1	—	—	1 463
percentage of total establishments	0.3	0.9	0.1	—	—	100.0
area (hectares)	2 138	8 387	1 214	—	—	105 421
percentage of total area of triticale planted	2.0	8.0	1.2	—	—	100.0
production (tonnes)	2 274	5 802	1 384	—	—	140 510
percentage of total triticale production	1.6	4.1	1.0	—	—	100.0
Wheat for grain						
establishments (number)	332	636	138	25	23	6 283
percentage of total establishments	5.3	10.1	2.2	0.4	0.4	100.0
area (hectares)	143 823	419 858	156 817	41 347	60 372	1 534 939
percentage of total area of wheat planted	9.4	27.4	10.2	2.7	3.9	100.0
production (tonnes)	260 119	675 342	211 870	47 098	90 756	2 794 907
percentage of total wheat production	9.3	24.2	7.6	100.0	3.2	100.0

(a) Year ended 31 March 1997.

Statistical division	APPLES				LEMONS AND LIMES.....			
	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree
Adelaide and Outer Adelaide	217.1	458.3	24 357.9	53.1	5.1	5.2	242.9	46.8
Yorke and Lower North	—	—	—	—	—	—	—	—
Murray Lands	34.8	24.0	1 418.2	59.1	20.9	85.4	13 463.5	157.6
South East	108.9	70.9	3 089.0	43.6	2.3	—	—	—
Eyre	—	—	—	—	—	—	—	—
Northern	—	—	—	—	—	—	—	—
South Australia								
1997	360.8	553.2	28 865.1	52.2	28.2	90.6	13 706.4	151.3
1996	305.1	527.5	20 314.2	38.5	26.8	91.8	13 490.5	147.0
1995	276.5	531.8	23 596.1	44.4	21.5	96.9	13 978.2	144.2

Statistical division	MANDARINS				NASHI.....			
	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree
Adelaide and Outer Adelaide	—	—	0.2	16.7	5.1	16.8	454.5	27.0
Yorke and Lower North	—	—	—	—	—	—	—	—
Murray Lands	91.3	155.9	16 004.0	102.7	2.6	2.4	68.4	28.6
South East	—	—	—	—	—	—	—	—
Eyre	—	—	—	—	—	—	—	—
Northern	—	—	—	—	—	—	—	—
South Australia								
1997	91.3	155.9	16 004.2	102.7	7.8	19.2	522.9	27.2
1996	86.7	140.5	10 865.0	77.3	9.5	20.5	452.3	22.1
1995	85.1	135.9	11 135.9	82.0	8.7	20.2	399.8	19.8

Statistical division	ORANGES				PEARS (EXCLUDING NASHI).....			
	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree
Adelaide and Outer Adelaide	0.1	0.2	0.2	1.4	15.6	60.6	4 244.2	70.1
Yorke and Lower North	—	—	—	—	—	—	—	—
Murray Lands	278.1	1 867.6	180 682.6	96.7	3.8	19.1	1 826.5	95.8
South East	—	—	—	—	4.0	1.6	65.0	40.6
Eyre	—	—	—	—	—	—	—	—
Northern	—	—	—	—	—	—	—	—
South Australia								
1997	278.2	1 867.7	180 682.8	96.7	23.4	81.2	6 135.7	75.5
1996	316.1	1 828.5	170 454.7	93.2	22.7	83.6	6 156.1	73.6
1995	339.1	1 831.9	199 181.2	108.7	22.3	79.3	5 412.3	68.3

(a) Yield is calculated for trees 6 years and over only. However, the production figure used to calculate yield includes any contribution by trees under 6 years. In most cases this contribution is relatively insignificant, but in some instances it can distort yield figures.

Statistical division	APRICOTS				CHERRIES			
	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	t	kg/tree	'000	'000	t	kg/tree
Adelaide and Outer Adelaide	5.0	18.2	477.6	26.3	96.6	58.7	910.8	15.5
Yorke and Lower North	—	0.1	2.9	40.0	—	—	—	—
Murray Lands	96.9	309.5	14 730.5	47.6	6.5	1.1	13.7	12.4
South East	0.4	—	—	—	8.0	2.7	23.0	8.5
Eyre	0.2	—	1.5	—	—	—	—	—
Northern	0.1	1.2	22.9	18.8	0.1	0.1	0.2	2.6
South Australia								
1997	102.5	328.9	15 235.3	46.3	111.2	62.6	947.8	15.1
1996	128.7	346.5	13 371.1	38.6	96.7	53.5	560.5	10.5
1995	143.3	348.9	17 349.1	49.7	70.1	41.6	476.6	11.4

Statistical division	NECTARINES				OLIVES			
	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	t	kg/tree	'000	'000	t	kg/tree
Adelaide and Outer Adelaide	2.5	3.4	79.1	23.3	11.4	9.7	165.3	17.1
Yorke and Lower North	—	—	—	—	1.0	3.5	21.0	6.0
Murray Lands	44.0	27.6	1 276.1	46.2	10.0	10.2	92.2	9.1
South East	—	—	—	—	0.3	1.7	23.8	14.2
Eyre	—	—	—	—	—	—	—	—
Northern	0.1	0.8	7.2	8.7	0.8	1.8	6.3	3.5
South Australia								
1997	46.6	31.9	1 362.3	42.8	23.5	26.8	308.7	11.5
1996	43.6	30.6	1 042.1	34.1	n.c.	n.c.	n.c.	n.c.
1995	42.1	19.1	1 256.9	66.0	n.c.	n.c.	n.c.	n.c.

Statistical division	PEACHES				PLUMS AND PRUNES.....			
	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	t	kg/tree	'000	'000	t	kg/tree
Adelaide and Outer Adelaide	3.4	11.6	442.1	38.0	5.0	10.8	216.6	20.1
Yorke and Lower North	—	—	—	—	—	—	—	—
Murray Lands	59.1	107.6	7 163.5	66.6	47.3	86.2	4 049.0	47.0
South East	—	—	—	—	—	—	—	—
Eyre	—	—	—	—	—	—	—	—
Northern	1.1	5.9	88.7	15.1	0.1	1.0	5.4	5.2
South Australia								
1997	63.6	125.1	7 694.3	61.5	52.4	98.0	4 271.0	43.6
1996	75.2	120.2	7 305.5	60.8	52.8	97.8	4 030.2	41.2
1995	93.2	122.1	8 443.3	69.2	49.8	89.8	4 166.2	46.4

(a) Yield is calculated for trees 6 years and over only. However, the production figure used to calculate yield includes any contribution by trees under 6 years. In most cases this contribution is relatively insignificant, but in some instances it can distort yield figures.

21 OTHER FRUIT AND NUTS, Year ended 31 March 1997(a)

Statistical division	ALMONDS				AVOCADOS			
	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree	Trees under 6 years '000	Trees 6 years and over '000	Production t	Yield kg/tree
Adelaide and Outer Adelaide	47.8	250.0	740.1	3.0	0.2	0.7	7.3	10.2
Yorke and Lower North	—	2.1	13.6	6.3	—	—	—	—
Murray Lands	110.5	253.3	1 250.8	4.9	18.3	17.3	894.0	51.7
South East	—	2.3	2.0	0.9	—	—	—	—
Eyre	2.0	17.3	7.7	0.4	—	—	—	—
Northern	—	—	—	—	—	—	—	—
South Australia								
1997	160.3	525.0	2 014.1	3.8	18.5	18.0	901.3	50.0
1996	171.2	498.3	2 025.3	4.1	17.5	18.1	500.1	27.6
1995	200.7	480.0	2 132.0	4.4	12.3	16.7	503.6	30.1

(a) Yield is calculated for trees 6 years and over only. However, the production figure used to calculate yield includes any contribution by trees under 6 years. In most cases this contribution is relatively insignificant, but in some instances it can distort yield figures.

22 GRAPES, Year ended 31 March 1997

Statistical division	AREA OF VINES AT HARVEST			GRAPE PRODUCTION			
	Prior to collection year ha	During collection year ha	Bearing ha	Winemaking t	Drying t	Table and other t	Total t
Adelaide and Outer Adelaide	1 579	1 046	11 202	113 615	3	40	113 658
Yorke and Lower North	354	335	2 002	17 306	256	—	17 562
Murray Lands	1 287	1 211	10 743	183 189	3 987	2 441	189 617
South East	1 516	929	6 307	53 479	—	—	53 479
Eyre	2	—	7	53	—	—	53
Northern	3	12	11	150	—	70	220
South Australia							
1997	4 741	3 534	30 270	367 792	4 245	2 551	374 589
1996	4 797	3 359	27 314	395 835	7 229	3 769	406 832
1995	2 274	3 092	27 237	320 170	6 715	2 913	329 797

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BERRY FRUIT, Year ended 31 March 1997

Statistical division	RASPBERRIES				STRAWBERRIES.....			
	Area not yet bearing	Area of bearing age	Production	Yield	Area not yet bearing	Area of bearing age	Production	Yield
	ha	ha	t	t/ha	ha	ha	t	t/ha
Adelaide and Outer Adelaide	1.6	3.6	3.9	1.1	19.1	71.4	1 291.8	18.1
Yorke and Lower North	—	—	—	—	—	—	—	—
Murray Lands	—	2.7	0.8	0.3	—	2.3	30.0	13.0
South East	—	0.5	0.3	0.6	—	—	—	—
Eyre	—	—	—	—	—	—	—	—
Northern	—	—	—	—	—	—	—	—
South Australia								
1997	1.6	6.8	4.9	0.7	19.1	73.7	1 321.9	17.9
1996	5.0	6.4	4.7	0.7	10.3	69.6	1 371.7	19.7
1995	1.9	5.6	12.3	2.2	15.2	61.0	1 035.0	17.0

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GROSS VALUE OF CITRUS, POME AND OTHER FRUIT, Years ended 30 June

	1994-95	1995-96r	1996-97p
	\$m	\$m	\$m
Apples	29.5	25.7	48.7
Apricots	18.9	23.1	32.1
Avocados	2.0	1.4	2.4
Cherries	3.3	4.3	8.4
Grapes	241.9	313.8	298.3
Lemons and limes	4.3	9.7	10.2
Mandarins	6.1	10.8	13.9
Nectarines	2.7	2.1	3.6
Oranges	79.9	97.3	86.1
Peaches	4.8	4.4	8.2
Pears (excluding nashi)	5.2	6.7	7.4
Plums and prunes	5.7	6.5	6.7
Strawberries	8.0	11.0	8.3
Other, including nuts	18.5	23.5	21.4
Total	430.8	540.3	555.7

	Units	1995	1996	1997
Beans — French and runner				
area	ha	59.7	37.6	36.7
production	t	194.4	108.4	128.0
yield	t/ha	3.3	2.9	3.5
Beetroot				
area	ha	13.7	12.9	8.6
production	t	128.1	109.3	116.7
yield	t/ha	9.4	8.5	13.6
Broccoli				
area	ha	442.2	346.7	304.9
production	t	2 398.1	1 802.0	1 828.0
yield	t/ha	5.4	5.2	6.0
Brussels sprouts				
area	ha	93.2	108.2	87.7
production	t	2 143.0	2 568.9	2 331.6
yield	t/ha	23.0	23.7	26.6
Cabbages				
area	ha	175.8	178.3	141.2
production	t	5 070.9	4 958.0	4 799.7
yield	t/ha	28.8	27.8	34.0
Capsicum, chillies and peppers				
area	ha	103.5	101.7	113.0
production	t	1 643.5	1 213.4	1 542.2
yield	t/ha	15.9	11.9	13.6
Carrots				
area	ha	844.4	985.3	970.2
production	t	36 611.7	39 995.8	40 306.5
yield	t/ha	43.4	40.6	41.5
Cauliflowers				
area	ha	278.1	258.0	219.5
production	t	7 088.1	6 624.1	3 709.2
yield	t/ha	25.5	25.7	16.9
Celery				
area	ha	45.5	55.9	46.4
production	t	4 036.3	5 787.9	4 247.4
yield	t/ha	88.7	103.5	91.5
Chinese cabbages				
area	ha	24.4	76.9	12.4
production	t	52.5	124.0	134.8
yield	t/ha	2.2	1.6	10.9
Cucumber				
area	ha	54.0	52.0	45.7
production	t	1 778.6	1 414.7	1 152.7
yield	t/ha	32.9	27.2	25.2
Green peas (pod weight)				
area	ha	34.5	23.3	17.7
production	t	79.8	98.3	42.8
yield	t/ha	2.3	4.2	2.4
Leeks				
area	ha	29.1	31.3	34.8
production	t	700.5	1 190.1	1 028.3
yield	t/ha	24.1	38.0	29.5
Lettuces				
area	ha	282.0	280.3	267.3
production	t	6 184.8	5 744.3	6 085.1
yield	t/ha	21.9	20.5	22.8
Marrows and squashes				
area	ha	6.7	3.9	13.9
production	t	38.6	27.8	34.9
yield	t/ha	5.8	7.1	2.5

	Units	1995	1996	1997
Melons — rock and cantaloupe				
area	ha	190.4	176.1	204.2
production	t	5 772.0	5 696.4	3 702.9
yield	t/ha	30.3	32.3	18.1
Melons — water				
area	ha	17.7	12.4	22.5
production	t	557.7	302.1	462.9
yield	t/ha	31.5	24.4	20.6
Mushrooms				
area	ha	11.2	10.6	9.9
production	t	1 675.6	2 444.7	2 653.4
yield	t/ha	149.6	230.6	268.0
Onions — white and brown				
area	ha	1 194.7	1 376.8	1 275.6
production	t	51 394.4	69 576.3	65 273.5
yield	t/ha	43.0	50.5	51.2
Parsley				
area	ha	11.8	10.4	12.2
production	t	168.7	149.9	137.2
yield	t/ha	14.3	14.4	11.2
Parsnips				
area	ha	12.5	19.0	18.8
production	t	196.9	345.2	339.2
yield	t/ha	15.8	18.2	18.0
Potatoes				
area	ha	7 830.9	8 114.9	8 617.7
production	t	247 414.1	286 268.4	285 343.8
yield	t/ha	31.6	35.3	33.1
Pumpkins				
area	ha	378.9	443.9	329.4
production	t	7 673.4	10 009.7	6 895.2
yield	t/ha	20.3	22.5	20.9
Snow peas				
area	ha	n.c.	57.5	60.2
production	t	n.c.	153.1	205.4
yield	t/ha	n.c.	2.7	3.4
Spring onions				
area	ha	17.8	16.5	21.4
production	t	150.2	141.0	265.2
yield	t/ha	8.4	8.5	12.4
Swedes				
area	ha	23.0	24.5	21.0
production	t	553.0	578.2	470.7
yield	t/ha	24.0	23.6	22.4
Sweet corn				
area	ha	58.0	71.3	95.9
production	t	652.3	906.0	1 294.1
yield	t/ha	11.2	12.7	13.5
Tomatoes				
area	ha	165.3	164.0	150.3
production	t	5 442.3	4 199.1	3 068.6
yield	t/ha	32.9	25.6	20.4
Zucchini				
area	ha	23.1	21.0	24.7
production	t	165.0	184.4	128.4
yield	t/ha	7.1	8.8	5.2

	Units	Adelaide and Outer Adelaide	Yorke and Lower North	Murray Lands	South East	Eyre	Northern
.....							
Beans — French and runner							
area	ha	31.7	—	4.5	—	—	0.5
production	t	114.5	—	11.7	—	—	1.8
yield	t/ha	3.6	—	2.6	—	—	3.6
Beetroot							
area	ha	8.3	—	0.3	—	—	—
production	t	116.7	—	—	—	—	—
yield	t/ha	14.1	—	—	—	—	—
Broccoli							
area	ha	185.3	—	118.6	—	—	1.0
production	t	1 233.3	—	592.6	—	—	2.0
yield	t/ha	6.7	—	5.0	—	—	2.0
Brussels sprouts							
area	ha	87.7	—	—	—	—	—
production	t	2 331.6	—	—	—	—	—
yield	t/ha	26.6	—	—	—	—	—
Cabbages							
area	ha	130.7	—	10.5	—	—	—
production	t	4 685.2	—	114.5	—	—	—
yield	t/ha	35.8	—	10.9	—	—	—
Capsicum, chillies and peppers							
area	ha	69.5	—	43.0	—	—	0.5
production	t	990.1	—	544.6	—	—	7.5
yield	t/ha	14.2	—	12.7	—	—	15.0
Carrots							
area	ha	256.0	—	682.0	32.2	—	—
production	t	10 020.5	—	29 322.0	964.0	—	—
yield	t/ha	39.1	—	43.0	29.9	—	—
Cauliflower							
area	ha	197.8	—	21.7	—	—	—
production	t	3 439.2	—	270.0	—	—	—
yield	t/ha	17.4	—	12.4	—	—	—
Celery							
area	ha	45.6	—	0.8	—	—	—
production	t	4 207.4	—	40.0	—	—	—
yield	t/ha	92.3	—	50.0	—	—	—
Chinese cabbages							
area	ha	5.4	—	—	7.0	—	—
production	t	64.8	—	—	70.0	—	—
yield	t/ha	12.0	—	—	10.0	—	—
Cucumber							
area	ha	43.8	—	1.6	—	—	0.3
production	t	1 095.1	—	54.8	—	—	2.8
yield	t/ha	25.0	—	34.3	—	—	9.3
Green peas (pod weight)							
area	ha	13.3	—	2.4	—	—	2.0
production	t	33.7	—	5.1	—	—	4.0
yield	t/ha	2.5	—	2.1	—	—	2.0
Leeks							
area	ha	33.8	—	1.0	—	—	—
production	t	1 008.3	—	20.0	—	—	—
yield	t/ha	29.8	—	20.0	—	—	—
Lettuces							
area	ha	248.4	—	17.9	—	1.0	—
production	t	5 816.5	—	254.6	—	14.0	—
yield	t/ha	23.4	—	14.2	—	14.0	—
Marrows and squashes							
area	ha	—	—	13.9	—	—	—
production	t	—	—	34.9	—	—	—
yield	t/ha	—	—	2.5	—	—	—
.....							

	<i>Units</i>	<i>Adelaide and Outer Adelaide</i>	<i>Yorke and Lower North</i>	<i>Murray Lands</i>	<i>South East</i>	<i>Eyre</i>	<i>Northern</i>
Melons — rock and cantaloupe							
area	ha	0.5	—	203.7	—	—	—
production	t	0.9	—	3 702.0	—	—	—
yield	t/ha	1.8	—	18.2	—	—	—
Melons — water							
area	ha	—	—	22.5	—	—	—
production	t	—	—	462.9	—	—	—
yield	t/ha	—	—	20.6	—	—	—
Mushrooms							
area	ha	9.8	0.1	—	—	—	—
production	t	2 639.4	14.0	—	—	—	—
yield	t/ha	269.3	140.0	—	—	—	—
Onions — white and brown							
area	ha	179.0	—	842.9	253.7	—	—
production	t	7 970.5	—	46 149.0	11 154.0	—	—
yield	t/ha	44.5	—	54.8	44.0	—	—
Parsley							
area	ha	11.0	—	0.2	1.0	—	—
production	t	135.7	—	0.5	1.0	—	—
yield	t/ha	12.3	—	2.5	1.0	—	—
Parsnips							
area	ha	17.6	—	1.2	—	—	—
production	t	313.2	—	26.0	—	—	—
yield	t/ha	17.8	—	21.7	—	—	—
Potatoes							
area	ha	2 753.7	—	2 922.4	2 939.0	—	2.6
production	t	81 491.5	—	98 456.5	105 362.8	—	33.0
yield	t/ha	29.6	—	33.7	35.8	—	12.7
Pumpkins							
area	ha	19.0	—	301.4	7.5	1.5	—
production	t	212.0	—	6 548.2	120.0	15.0	—
yield	t/ha	11.2	—	21.7	16.0	10.0	—
Snow peas							
area	ha	9.0	—	51.2	—	—	—
production	t	43.0	—	162.4	—	—	—
yield	t/ha	4.8	—	3.2	—	—	—
Spring onions							
area	ha	20.2	—	1.0	—	0.2	—
production	t	261.2	—	2.5	—	1.5	—
yield	t/ha	12.9	—	2.5	—	7.5	—
Swedes							
area	ha	20.0	—	1.0	—	—	—
production	t	445.7	—	25.0	—	—	—
yield	t/ha	22.3	—	25.0	—	—	—
Sweet corn							
area	ha	20.5	—	59.4	16.0	—	—
production	t	220.1	—	834.0	240.0	—	—
yield	t/ha	10.7	—	14.0	15.0	—	—
Tomatoes							
area	ha	100.3	—	48.8	—	0.1	1.1
production	t	1 913.0	—	1 109.6	—	20.0	26.0
yield	t/ha	19.1	—	22.7	—	200.0	23.6
Zucchini							
area	ha	9.7	—	11.8	—	—	3.2
production	t	44.7	—	61.7	—	—	22.0
yield	t/ha	4.6	—	5.2	—	—	6.9

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GROSS VALUE OF VEGETABLES FOR HUMAN CONSUMPTION, Years ended 30 June

	1994-95	1995-96r	1996-97p
	\$m	\$m	\$m
Beans — French and runner	0.6	0.4	0.3
Beetroot	0.2	0.2	0.2
Broccoli	3.6	2.4	2.9
Cabbages and brussels sprouts	4.6	6.6	7.5
Capsicum, chillies and peppers	4.1	2.6	4.5
Carrots	34.2	34.2	20.4
Cauliflowers	3.4	3.5	3.1
Celery	2.9	3.9	3.1
Cucumbers	2.9	1.9	1.6
Green peas (pod weight)	0.6	0.1	0.1
Leeks	1.2	2.6	1.1
Lettuces	6.5	6.2	4.6
Marrows and squashes	0.1	0.1	0.1
Melons — rock and cantaloupe	4.6	5.9	3.2
Melons — water	0.6	0.1	0.1
Mushrooms	7.3	10.2	11.5
Onions — white and brown	28.1	43.3	41.8
Parsley	0.4	0.6	0.5
Parsnips	1.5	0.8	0.8
Potatoes	94.1	102.7	100.6
Pumpkins	4.1	3.9	3.8
Sweet corn	1.3	0.7	1.2
Tomatoes	7.7	5.8	4.8
Zucchini	0.9	0.3	0.3
Other vegetables	3.7	4.1	7.2
Total	219.2	243.1	225.3

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AREA OF NURSERIES, CUT FLOWERS AND CULTIVATED TURF, Year ended 31 March 1997

	Nurseries	Cut flowers	Cultivated turf
Statistical division	ha	ha	ha
Adelaide and Outer Adelaide	209	301	121
Yorke and Lower North	10	14	—
Murray Lands	70	68	45
South East	12	177	9
Eyre	1	8	—
Northern	—	—	—
South Australia			
1997	301	567	175
1996	520	486	152
1995	282	492	92

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MEAT CATTLE NUMBERS, At 31 March 1997

<i>Statistical division</i>	<i>Bulls and bull calves intended for service</i>	<i>Cows and heifers one year and over</i>	<i>Heifers and other calves under one year</i>	<i>Other cattle one year and over</i>	<i>Total meat cattle</i>	<i>Percentage of total meat cattle herd</i>
	'000	'000	'000	'000	'000	%
Adelaide and Outer Adelaide	3.7	61.2	32.3	21.4	118.6	11.6
Yorke and Lower North	1.4	20.4	13.1	13.1	48.0	4.7
Murray Lands	2.3	59.1	37.6	14.3	113.3	11.1
South East	14.1	259.3	134.1	86.3	493.8	48.2
Eyre	0.9	17.0	10.5	3.9	32.3	3.2
Northern	4.6	110.9	55.9	46.5	217.8	21.3
South Australia						
1997	27.0	528.0	283.4	185.5	1 023.9	100.0
1996	29.1	534.3	283.5	222.0	1 069.0	100.0
1995	28.7	529.5	290.7	214.8	1 063.7	100.0

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ESTABLISHMENTS WITH MEAT CATTLE, At 31 March 1997

<i>Statistical division</i>	<i>Bulls and bull calves intended for service</i>	<i>Cows and heifers one year and over</i>	<i>Heifers and other calves under one year</i>	<i>Other cattle one year and over</i>	<i>Total establishments with meat cattle</i>	<i>Percentage of establishments with meat cattle</i>
	no.	no.	no.	no.	no.	%
Adelaide and Outer Adelaide	1 030	1 292	1 184	806	1 554	27.8
Yorke and Lower North	390	475	452	299	552	9.9
Murray Lands	513	595	571	354	692	12.4
South East	1 504	1 666	1 456	1 323	1 912	34.2
Eyre	314	374	340	223	397	7.1
Northern	381	447	418	300	481	8.6
South Australia						
1997	4 132	4 849	4 421	3 305	5 588	100.0
1996	4 242	4 958	4 655	3 520	5 879	100.0
1995	4 207	4 882	4 711	3 443	5 775	100.0

Herd size	1996		1997	
	<i>Establishments with meat cattle</i>	<i>Percentage of establishments with meat cattle</i>	<i>Establishments with meat cattle</i>	<i>Percentage of establishments with meat cattle</i>
	no.	%	no.	%
1-29	1 501	25.5	1 422	25.4
30-49	865	14.7	812	14.5
50-69	678	11.5	644	11.5
70-99	639	10.9	623	11.1
100-149	628	10.7	608	10.9
150-199	366	6.2	364	6.5
200-299	424	7.2	392	7.0
300-399	211	3.6	199	3.6
400-499	145	2.5	123	2.2
500-699	166	2.8	160	2.9
700-999	98	1.7	88	1.6
1,000-1,499	66	1.1	67	1.2
1,500-1,999	37	0.6	34	0.6
2,000-4,999	42	0.7	38	0.7
5,000-9,999	12	0.2	11	0.2
10,000 and over	1	—	3	0.1
Total	5 879	100.0	5 588	100.0

Herd size	1996		1997	
	<i>Number of meat cattle</i>	<i>Percentage of total meat cattle</i>	<i>Number of meat cattle</i>	<i>Percentage of total meat cattle</i>
	'000	%	'000	%
1-29	21.5	2.0	20.4	2.0
30-49	33.4	3.1	31.5	3.1
50-69	39.7	3.7	38.0	3.7
70-99	53.1	5.0	51.6	5.0
100-149	75.8	7.1	74.1	7.2
150-199	63.3	5.9	62.7	6.1
200-299	102.8	9.6	95.3	9.3
300-399	72.3	6.8	68.5	6.7
400-499	64.2	6.0	54.3	5.3
500-699	96.7	9.0	93.5	9.1
700-999	80.3	7.5	71.9	7.0
1,000-1,499	80.7	7.5	81.4	7.9
1,500-1,999	63.5	5.9	59.0	5.8
2,000-4,999	122.9	11.5	112.6	11.0
5,000-9,999	83.6	7.8	72.4	7.1
10,000 and over	15.2	1.4	36.9	3.6
Total	1 069.0	100.0	1 023.9	100.0

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MILK CATTLE NUMBERS, At 31 March 1997

<i>Statistical division</i>	<i>Cows in milk and dry</i> '000	<i>Other milk cattle</i> '000	<i>Total milk cattle(a)</i> '000	<i>Percentage of total milk cattle herd</i> %
Adelaide and Outer Adelaide	43.3	22.3	65.6	41.7
Yorke and Lower North	3.4	2.1	5.5	3.5
Murray Lands	31.0	18.2	49.3	31.4
South East	23.0	12.8	35.8	22.8
Eyre	—	—	—	—
Northern	0.6	0.3	0.9	0.6
South Australia				
1997	101.4	55.8	157.2	100.0
1996	96.8	53.0	149.7	100.0
1995	96.6	55.7	152.4	100.0

(a) Excludes house cows.

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ESTABLISHMENTS WITH MILK CATTLE, At 31 March 1997(a)

<i>Statistical division</i>	<i>Cows in milk and dry</i> no.	<i>Other milk cattle</i> no.	<i>Total establishments with milk cattle</i> no.	<i>Percentage of establishments with milk cattle</i> %
Adelaide and Outer Adelaide	415	413	455	47.2
Yorke and Lower North	39	39	45	4.7
Murray Lands	201	211	227	23.5
South East	192	188	210	21.8
Eyre	2	5	7	0.7
Northern	16	18	20	2.1
South Australia				
1997	865	874	964	100.0
1996	875	850	959	100.0
1995	914	904	989	100.0

(a) Excludes establishments with house cows.

Herd size	1996		1997	
	<i>Establishments with milk cattle</i>	<i>Percentage of establishments with milk cattle</i>	<i>Establishments with milk cattle</i>	<i>Percentage of establishments with milk cattle</i>
	no.	%	no.	%
1-49	178	18.6	190	19.7
50-99	174	18.1	152	15.8
100-149	186	19.4	189	19.6
150-199	149	15.5	134	13.9
200-249	104	10.8	115	11.9
250-299	66	6.9	59	6.1
300-349	33	3.4	46	4.8
350-399	27	2.8	23	2.4
400-499	24	2.5	29	3.0
500 and over	18	1.9	27	2.8
Total	959	100.0	964	100.0

Herd size	1996		1997	
	<i>Number of milk cattle</i>	<i>Percentage of total milk cattle</i>	<i>Number of milk cattle</i>	<i>Percentage of total milk cattle</i>
	'000	%	'000	%
1-49	3.8	2.5	3.6	2.3
50-99	12.8	8.6	11.2	7.1
100-149	22.7	15.2	23.5	14.9
150-199	25.5	17.0	23.1	14.7
200-249	22.6	15.1	25.3	16.1
250-299	17.9	12.0	16.0	10.2
300-349	10.5	7.0	14.7	9.4
350-399	10.0	6.7	8.6	5.5
400-499	10.3	6.9	12.7	8.1
500 and over	13.6	9.1	18.7	11.9
Total	149.7	100.0	157.2	100.0

(a) Excludes establishments with house cows.

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NUMBER OF SHEEP AND LAMBS, At 31 March 1997

<i>Statistical division</i>	<i>Breeding ewes (1 year and over)</i>	<i>Lambs and hoggets (under 1 year)</i>	<i>All other sheep</i>	<i>Total sheep and lambs</i>	<i>Percentage of total sheep flock</i>
	'000	'000	'000	'000	%
Adelaide and Outer Adelaide	776.2	363.9	510.1	1 650.2	12.6
Yorke and Lower North	782.4	498.9	337.6	1 618.8	12.4
Murray Lands	1 026.7	546.6	262.0	1 835.3	14.0
South East	1 796.4	816.2	728.5	3 341.1	25.5
Eyre	990.2	565.7	525.5	2 081.4	15.9
Northern	1 375.3	748.5	455.4	2 579.3	19.7
South Australia					
1997	6 747.2	3 539.7	2 819.1	13 106.0	100.0
1996	6 817.2	3 541.3	3 217.2	13 575.7	100.0
1995	n.c.	3 109.6	n.c.	13 249.1	100.0

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ESTABLISHMENTS WITH SHEEP AND LAMBS, At 31 March 1997

<i>Statistical division</i>	<i>Breeding ewes (1 year and over)</i>	<i>Lambs and hoggets (under 1 year)</i>	<i>All other sheep</i>	<i>Total establishments with sheep and lambs</i>	<i>Percentage of establishments with sheep and lambs</i>
	no.	no.	no.	no.	%
Adelaide and Outer Adelaide	1 158	1 018	1 240	1 370	15.5
Yorke and Lower North	1 441	1 397	1 494	1 662	18.9
Murray Lands	1 315	1 223	1 278	1 408	16.0
South East	1 636	1 429	1 664	1 816	20.6
Eyre	1 350	1 298	1 368	1 445	16.4
Northern	1 048	1 003	1 008	1 110	12.6
South Australia					
1997	7 948	7 368	8 052	8 811	100.0
1996	8 091	7 391	8 367	9 093	100.0
1995	n.c.	7 059	n.c.	8 980	100.0

Flock size	1996		1997	
	<i>Establishments with sheep and lambs</i>	<i>Percentage of establishments with sheep and lambs</i>	<i>Establishments with sheep and lambs</i>	<i>Percentage of establishments with sheep and lambs</i>
	no.	%	no.	%
1-499	2 546	28.0	2 382	27.0
500-999	2 184	24.0	2 198	24.9
1,000-1,499	1 577	17.3	1 511	17.1
1,500-1,999	890	9.8	881	10.0
2,000-2,499	577	6.3	529	6.0
2,500-2,999	322	3.5	346	3.9
3,000-3,999	403	4.4	395	4.5
4,000-4,999	217	2.4	194	2.2
5,000-5,999	121	1.3	129	1.5
6,000-6,999	75	0.8	72	0.8
7,000-7,999	32	0.4	42	0.5
8,000-8,999	42	0.5	29	0.3
9,000-9,999	21	0.2	22	0.2
10,000 and over	86	0.9	81	0.9
Total	9 093	100.0	8 811	100.0

Flock size	1996		1997	
	<i>Number of sheep and lambs</i>	<i>Percentage of total sheep and lambs</i>	<i>Number of sheep and lambs</i>	<i>Percentage of total sheep and lambs</i>
	'000	%	'000	%
1-499	619.9	4.6	612.6	4.7
500-999	1 597.3	11.8	1 619.2	12.4
1,000-1,499	1 925.5	14.2	1 852.3	14.1
1,500-1,999	1 523.7	11.2	1 509.5	11.5
2,000-2,499	1 280.6	9.4	1 170.5	8.9
2,500-2,999	876.4	6.5	945.3	7.2
3,000-3,999	1 366.1	10.1	1 348.5	10.3
4,000-4,999	963.9	7.1	863.1	6.6
5,000-5,999	656.2	4.8	700.8	5.3
6,000-6,999	481.0	3.5	461.1	3.5
7,000-7,999	236.7	1.7	312.2	2.4
8,000-8,999	354.7	2.6	244.2	1.9
9,000-9,999	198.5	1.5	208.3	1.6
10,000 and over	1 495.2	11.0	1 258.5	9.6
Total	13 575.7	100.0	13 106.0	100.0

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LAMBING, Year ended 31 March 1997

LAMBING EXPECTATIONS YEAR ENDED 31 MARCH 1998(c)

<i>Statistical division</i>	<i>Ewes mated(a)</i>	<i>Lambs marked</i>	<i>Lamb marking ratio(b)</i>	<i>Joined to merino rams</i>	<i>Joined to short wool rams</i>	<i>Joined to other rams</i>	<i>Total</i>
	'000	'000	%	'000	'000	'000	'000
Adelaide and Outer Adelaide	715.7	579.6	81.0	377.4	266.5	118.8	762.7
Yorke and Lower North	731.5	616.2	84.2	476.4	175.9	88.8	741.2
Murray Lands	937.4	830.6	88.6	694.9	191.3	97.9	984.0
South East	1 676.3	1 477.7	88.2	678.4	732.3	341.8	1 752.5
Eyre	867.7	674.6	77.7	736.5	105.7	59.8	902.1
Northern	1 251.0	908.3	72.6	1 182.2	78.0	62.6	1 322.7
South Australia							
1997	6 179.6	5 087.0	82.3	4 145.8	1 549.8	769.7	6 465.2
1996	6 214.6	5 199.6	83.7	4 347.9	n.c.	n.c.	6 407.6
1995	6 251.6	4 816.2	77.0	4 317.0	n.c.	n.c.	6 225.1

(a) Ewes mated to produce lambs marked in the season shown.

(b) Lambs marked as a proportion of ewes mated to produce lambs.

(c) Forecast made at the end of the 1996-97 season.

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PIG NUMBERS(a) AND NUMBER OF ESTABLISHMENTS, At 31 March 1997

<i>Statistical division</i>	<i>Total pigs</i>	<i>Percentage of total pigs</i>	<i>Total establishments with pigs</i>	<i>Percentage of establishments with pigs</i>
	'000	%	no.	%
Adelaide and Outer Adelaide	133.7	32.1	126	15.3
Yorke and Lower North	63.3	15.2	274	33.4
Murray Lands	148.3	35.6	198	24.1
South East	30.8	7.4	45	5.5
Eyre	22.4	5.4	84	10.2
Northern	18.5	4.4	94	11.4
South Australia				
1997	417.0	100.0	821	100.0
1996	412.1	100.0	922	100.0
1995	422.9	100.0	1 032	100.0

(a) Includes suckers, weaners, growers etc.

Herd size	1996.....		1997	
	<i>Establishments with pigs</i>	<i>Percentage of establishments with pigs</i>	<i>Establishments with pigs</i>	<i>Percentage of establishments with pigs</i>
	no.	%	no.	%
1-9	101	11.0	84	10.2
10-19	73	7.9	43	5.2
20-29	65	7.0	38	4.6
30-39	31	3.4	39	4.8
40-49	26	2.8	34	4.1
50-69	72	7.8	51	6.2
70-99	65	7.0	66	8.0
100-149	83	9.0	75	9.1
150-199	56	6.1	68	8.3
200-299	98	10.6	73	8.9
300-499	91	9.9	85	10.4
500-699	46	5.0	54	6.6
700-999	41	4.4	41	5.0
1,000 and over	74	8.0	70	8.5
Total	922	100.0	821	100.0

Herd size	1996		1997	
	<i>Number of pigs</i>	<i>Percentage of total pigs</i>	<i>Number of pigs</i>	<i>Percentage of total pigs</i>
	'000	%	'000	%
1-9	0.5	0.1	0.4	0.1
10-19	1.0	0.2	0.6	0.1
20-29	1.5	0.4	0.9	0.2
30-39	1.0	0.3	1.3	0.3
40-49	1.1	0.3	1.5	0.4
50-69	4.2	1.0	3.0	0.7
70-99	5.5	1.3	5.4	1.3
100-149	9.9	2.4	9.2	2.2
150-199	9.4	2.3	11.7	2.8
200-299	23.2	5.6	17.9	4.3
300-499	34.0	8.2	32.9	7.9
500-699	26.4	6.4	31.9	7.7
700-999	33.2	8.1	33.5	8.0
1,000 and over	261.0	63.3	266.7	64.0
Total	412.1	100.0	417.0	100.0

(a) Includes suckers, weaners, growers etc.

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POULTRY, NUMBER ON HOLDING, At 31 March 1997

Statistical division	Chickens for eggs	Chickens for meat
	'000	'000
Adelaide and Outer Adelaide	394.1	2 522.5
Yorke and Lower North	116.2	511.0
Murray Lands	311.6	945.0
South East	1.9	—
Eyre	3.6	1.9
Northern	44.2	0.1
South Australia		
1997	871.6	3 980.5
1996	771.0	3 995.2
1995	701.6	4 301.9

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POULTRY, NUMBER DISPOSED OF, Year ended 31 March 1997

Statistical division	Chickens for eggs	Chickens for meat
	'000	'000
Adelaide and Outer Adelaide	220.6	45 054.3
Yorke and Lower North	83.9	2 876.0
Murray Lands	279.5	5 510.6
South East	0.2	—
Eyre	1.9	9.9
Northern	32.0	0.1
South Australia		
1997	618.1	53 450.7
1996	461.4	39 569.6
1995	485.3	52 053.8

Statistical division	ESTABLISHMENTS		LIVESTOCK	
	Deer no.	Horses for breeding(a) no.	Deer '000	Horses for breeding(a) '000
Adelaide and Outer Adelaide	38	154	5.6	2.1
Yorke and Lower North	20	40	2.0	0.5
Murray Lands	9	27	0.6	0.4
South East	56	57	9.2	0.5
Eyre	11	22	3.2	0.2
Northern	3	12	0.1	0.1
South Australia				
1997	137	312	20.7	3.9
1996	152	397	18.2	4.1
1995	151	396	19.0	3.7

(a) Comprises horses on establishments with agricultural activity.

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SALES OF LIVESTOCK, Year ended 31 March 1997

	<i>Dairy bulls</i>	<i>Beef bulls</i>	<i>Other cattle</i>	<i>Pigs</i>
<i>Statistical division</i>	'000	'000	'000	'000
Adelaide and Outer Adelaide	0.2	0.8	96.4	217.0
Yorke and Lower North	—	0.5	21.7	105.5
Murray Lands	0.2	0.4	64.0	247.1
South East	0.1	2.5	243.0	52.1
Eyre	—	0.3	11.3	36.3
Northern	—	0.2	68.9	52.7
South Australia				
1997	0.6	4.8	505.3	710.7
1996	0.3	4.8	531.0	699.3
1995	0.5	4.6	504.8	699.5

	<i>Lambs and hoggets</i>	<i>All other sheep</i>	<i>Horses</i>	<i>Deer</i>
<i>Statistical division</i>	'000	'000	'000	'000
Adelaide and Outer Adelaide	315.1	363.1	0.6	1.9
Yorke and Lower North	339.3	420.3	0.2	0.5
Murray Lands	400.9	389.6	0.1	0.1
South East	925.9	690.8	0.1	1.4
Eyre	217.2	411.6	0.1	0.4
Northern	333.2	599.6	0.2	—
South Australia				
1997	2 531.6	2 874.9	1.4	4.3
1996	2 485.9	2 940.2	0.8	5.5
1995	2 382.9	3 636.5	n.c.	3.6

	Units	1995	1996	1997
Number of livestock slaughtered(a)(b)				
Cattle	'000	408.2	406.6	368.7
Calves	'000	11.0	12.0	15.7
Sheep	'000	3 182.9	2 400.9	2 311.8
Lambs	'000	2 205.8	1 898.0	1 754.0
Pigs	'000	500.0	401.1	427.4
Chickens	'000	28 967.4	27 632.7	28 008.1
Meat produced(a)(c)				
Beef	tonnes	95 560	96 559	85 478
Veal	tonnes	415	361	514
Mutton	tonnes	69 535	55 113	51 778
Lamb	tonnes	42 444	37 116	34 890
Pig	tonnes	34 564	27 407	29 842
Chicken	tonnes	39 862	38 418	38 932
Whole milk intake by factories(d)	million litres	480	508	535
Wool(e)				
Brokers and dealer receivals of taxable wool	tonnes	88 559	84 941	89 592
Eggs produced	'000 dozen	13 137	12 217	10 706

(a) Source: ABS "Monthly Livestock Products" publication, Catalogue No. 7215.0.

(b) Includes estimates of animals slaughtered on farms and country butchers.

(c) Dressed carcass weight, excluding offal.

(d) Source: Australian Dairy Corporation.

(e) Sources: National Council of Wool Selling Brokers of Australia and ABS Wool Brokers and Dealers Collection.

	1994-95	1995-96 ^r	1996-97 ^p
	\$m	\$m	\$m
Livestock slaughterings(a)			
Cattle and calves	201.1	152.9	137.6
Pigs	52.8	43.2	54.4
Poultry	72.5	75.4	89.2
Sheep and lambs(b)	136.4	148.8	134.5
Other	3.3	2.2	1.0
Total	466.2	422.5	416.6
Wool			
Shorn and crutched	324.4	313.0	270.0
Other(c)	15.2	12.2	10.2
Total	339.5	325.2	280.2
Production of milk			
Human consumption	65.6	83.0	88.7
Manufacturing	80.2	73.5	84.0
Total	145.8	156.5	172.7
Eggs	16.6	16.5	14.4
Honey and beeswax	3.3	5.5	5.5

(a) Includes net exports of livestock.

(b) Excludes value of wool on skins.

(c) Includes dead and fellmongered wool and wool on skins.

	Units	1995	1996	1997 ^p
Apiarists	no.	120	130	127
Beehives				
Productive(a)	no.	42 892	65 140	54 117
Unproductive	no.	8 284	5 420	2 549
Total	no.	51 176	70 560	56 666
Honey produced				
Quantity	kg	2 266 779	3 319 101	3 035 786
Average production(b)	kg/hive	53	51	56
Beeswax produced	kg	45 879	89 974	58 454

(a) Beehives from which honey was taken.

(b) Average production per productive beehive.

Items	FRUIT 0114-0119				VEGETABLES 0113			
	1994-95	SE	1995-96	SE	1994-95	SE	1995-96	SE
	\$m	%	\$m	%	\$m	%	\$m	%
Sales from crops	252.3	17	404.8	13	187.0	24	139.1	9
Sales from livestock	4.5	65	0.5	43	4.4	59	10.8	37
Sales from livestock products	7.6	87	6.9	93	1.3	84	7.5	49
Turnover	334.2	18	466.1	13	213.1	23	164.5	8
Purchases and selected expenses	131.9	21	161.8	18	113.5	25	90.8	11
Value added(a)	200.9	20	305.1	13	101.9	24	72.0	7
Adjusted value added(a)	176.9	19	280.7	14	91.6	24	64.1	8
Gross operating surplus(a)	117.2	15	206.6	17	64.3	24	39.4	14
Interest paid	15.0	21	15.0	22	13.2	42	9.4	29
Cash operating surplus(b)	107.3	16	196.6	18	47.6	25	33.5	17
Gross indebtedness	188.3	33	185.5	21	114.2	33	108.6	21
Total net capital expenditure	14.3	29	44.0	18	19.9	32	13.1	11

Items	GRAIN 0121				GRAIN-SHEEP/BEEF CATTLE 0122			
	1994-95	SE	1995-96	SE	1994-95	SE	1995-96	SE
	\$m	%	\$m	%	\$m	%	\$m	%
Sales from crops	406.3	14	805.6	10	284.0	14	278.9	24
Sales from livestock	81.9	22	80.5	19	82.6	18	111.5	22
Sales from livestock products	40.8	19	38.7	20	99.9	14	81.4	20
Turnover	554.6	11	963.4	9	490.9	13	498.6	20
Purchases and selected expenses	320.1	11	452.0	10	291.4	13	274.0	21
Value added(a)	206.5	17	518.7	10	194.5	14	218.7	21
Adjusted value added(a)	171.1	20	471.8	10	159.5	15	189.9	22
Gross operating surplus(a)	157.9	21	452.4	10	143.8	16	173.8	23
Interest paid	35.3	24	51.0	17	33.6	18	35.6	29
Cash operating surplus(b)	150.6	22	407.5	10	102.8	18	149.6	24
Gross indebtedness	318.6	21	500.9	17	322.5	18	428.1	28
Total net capital expenditure	80.8	34	132.9	19	44.7	22	78.2	29

(a) Includes an estimate for the value of the increase in livestock.

(b) Excludes an estimate for the value of the increase in livestock.

NOTE: Standard error of change between two successive years is 1.3 times the standard error of the estimate (except for the all industries estimate where it is equal to the standard error of the estimate). Standard error of change between estimates two years apart could be as high as 1.8 times the standard error of the estimate (except for the all industries estimate where it could be 1.5 times the standard error of the estimate).

Items	SHEEP-BEEF CATTLE 0123				SHEEP 0124			
	1994-95		1995-96		1994-95		1995-96	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	6.0	61	10.8	66	17.4	43	36.1	47
Sales from livestock	115.3	16	98.4	13	48.7	28	54.4	25
Sales from livestock products	57.3	19	54.8	25	95.1	21	78.1	15
Turnover	183.2	14	180.7	15	166.6	21	182.1	16
Purchases and selected expenses	107.3	16	88.1	21	78.5	20	100.9	18
Value added(a)	87.6	42	68.9	24	81.7	25	101.1	15
Adjusted value added(a)	72.2	51	54.7	29	67.4	28	87.1	16
Gross operating surplus(a)	52.9	67	38.3	43	59.7	30	68.6	19
Interest paid	18.1	31	27.8	25	8.6	40	9.3	29
Cash operating surplus(b)	28.0	47	35.3	19	58.6	29	41.1	28
Gross indebtedness	168.3	29	219.1	21	102.8	39	93.3	27
Total net capital expenditure	7.9	32	0.9	*	17.7	41	13.1	35

Items	BEEF CATTLE 0125				DAIRY CATTLE 0130			
	1994-95		1995-96		1994-95		1995-96	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	1.5	71	0.1	56	1.5	*	2.8	61
Sales from livestock	85.3	12	87.8	13	14.8	30	28.8	34
Sales from livestock products	1.9	33	0.1	36	127.7	11	88.9	20
Turnover	91.5	11	90.2	12	152.8	10	127.0	21
Purchases and selected expenses	52.4	12	52.1	17	80.2	12	74.4	21
Value added(a)	-3.1	*	11.1	81	82.9	17	31.0	37
Adjusted value added(a)	-9.1	**	4.3	*	74.6	18	21.5	50
Gross operating surplus(a)	-13.9	*	1.8	**	63.2	24	19.2	54
Interest paid	4.3	30	6.3	22	14.1	15	14.4	24
Cash operating surplus(b)	26.8	16	26.0	26	38.4	22	26.9	38
Gross indebtedness	112.3	36	66.1	22	153.3	116	136.4	23
Total net capital expenditure	11.3	42	6.3	23	17.4	60	7.5	56

(a) Includes an estimate for the value of the increase in livestock.

(b) Excludes an estimate for the value of the increase in livestock.

NOTE: Standard error of change between two successive years is 1.3 times the standard error of the estimate (except for the all industries estimate where it is equal to the standard error of the estimate). Standard error of change between estimates two years apart could be as high as 1.8 times the standard error of the estimate (except for the all industries estimate where it could be 1.5 times the standard error of the estimate).

OTHER AGRICULTURE 0111-0112,0141-0142,
PIGS 0151 152-0159,0169.....

Items	1994-95		1995-96		1994-95		1995-96	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	3.6	89	8.2	51	46.5	34	48.0	25
Sales from livestock	49.5	12	71.1	15	14.8	49	13.5	41
Sales from livestock products	1.3	74	1.0	59	21.8	33	15.7	27
Turnover	57.1	13	84.0	16	109.7	17	100.9	18
Purchases and selected expenses	49.5	8	52.6	15	54.4	21	56.4	21
Value added(a)	9.6	81	26.1	26	71.6	18	38.1	25
Adjusted value added(a)	7.0	*	23.3	28	62.3	18	30.1	29
Gross operating surplus(a)	2.4	*	17.5	35	36.4	27	15.8	49
Interest paid	2.0	21	3.0	30	6.8	36	6.2	39
Cash operating surplus(b)	-1.5	*	20.0	27	12.1	43	16.7	32
Gross indebtedness	25.5	16	31.3	32	98.8	42	80.7	40
Total net capital expenditure	6.0	47	5.0	40	2.5	35	4.6	26

AGRICULTURE ALL INDUSTRIES.....

Items	1994-95		1995-96	
	\$m	SE %	\$m	SE %
Sales from crops	1 206.0	6	1 734.5	5
Sales from livestock	501.9	6	557.1	6
Sales from livestock products	454.6	5	373.1	7
Turnover	2 353.8	4	2 857.6	3
Purchases and selected expenses	1 279.2	4	1 403.1	4
Value added(a)	1 034.0	7	1 390.8	4
Adjusted value added(a)	873.5	8	1 227.4	5
Gross operating surplus(a)	683.9	9	1 033.5	5
Interest paid	151.1	9	178.0	9
Cash operating surplus(b)	570.7	8	953.2	5
Gross indebtedness	1 604.7	8	1 849.9	8
Total net capital expenditure	222.6	15	305.7	10

(a) Includes an estimate for the value of the increase in livestock.

(b) Excludes an estimate for the value of the increase in livestock.

NOTE: Standard error of change between two successive years is 1.3 times the standard error of the estimate (except for the all industries estimate where it is equal to the standard error of the estimate). Standard error of change between estimates two years apart could be as high as 1.8 times the standard error of the estimate (except for the all industries estimate where it could be 1.5 times the standard error of the estimate).

AGGREGATES

Items	1991-92	SE	1992-93	SE	1993-94	SE
	\$m	%	\$m	%	\$m	%
Sales from crops	1 010.5	4	971.4	5	1 056.8	7
Sales from livestock	376.5	8	395.9	7	457.7	8
Sales from livestock products	410.3	4	403.6	4	405.5	7
Turnover	1 920.2	3	1 910.7	3	2 047.2	4
Purchases and selected expenses	1 082.6	3	1 054.5	4	1 138.9	4
Value added(a)	903.7	4	962.7	4	861.6	7
Adjusted value added(a)	770.1	5	822.6	4	725.7	8
Gross operating surplus(a)	641.2	6	643.8	5	543.8	10
Interest paid	156.1	7	147.3	8	116.9	9
Cash operating surplus(b)	460.0	7	425.8	7	494.1	10
Gross indebtedness	1 342.6	7	1 486.0	7	1 591.8	11
Total net capital expenditure	172.9	11	177.2	8	156.6	17

AGGREGATES

Items	1994-95	SE	1995-96	SE	1996-97 ^p	SE
	\$m	%	\$m	%	\$m	%
Sales from crops	1 206.0	6	1 734.5	5	1 498.5	6
Sales from livestock	501.9	6	557.1	6	484.9	6
Sales from livestock products	454.6	5	373.1	7	468.5	10
Turnover	2 353.8	4	2 857.6	3	2 617.4	4
Purchases and selected expenses	1 279.2	4	1 403.1	4	1 382.0	5
Value added(a)	1 034.0	7	1 390.8	4	1 102.6	7
Adjusted value added(a)	873.5	8	1 227.4	5	942.2	8
Gross operating surplus(a)	683.9	9	1 033.5	5	739.7	9
Interest paid	151.1	9	178.0	9	172.3	9
Cash operating surplus(b)	570.7	8	953.2	5	729.3	7
Gross indebtedness	1 604.7	8	1 849.9	8	2 026.6	9
Total net capital expenditure	222.6	15	305.7	10	240.9	12

(a) Includes an estimate for the value of the increase in livestock.

(b) Excludes an estimate for the value of the increase in livestock.

NOTE: Standard error of change between two successive years is 1.3 times the standard error of the estimate (except for the all industries estimate where it is equal to the standard error of the estimate). Standard error of change between estimates two years apart could be as high as 1.8 times the standard error of the estimate (except for the all industries estimate where it could be 1.5 times the standard error of the estimate).

AVERAGES

	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97 ^p
Items	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Sales from crops	79.3	78.2	87.2	98.2	141.0	125.6
Sales from livestock	29.5	31.9	37.8	40.9	45.3	40.6
Sales from livestock products	32.2	32.5	33.5	37.0	30.3	39.3
Turnover	150.6	153.9	168.2	191.6	232.3	219.3
Purchases and selected expenses	84.9	84.9	94.0	104.1	114.1	115.8
Value added(a)	70.9	77.5	71.1	84.2	113.1	92.4
Adjusted value added(a)	60.4	66.2	59.9	71.1	99.8	79.0
Gross operating surplus(a)	50.3	51.8	44.9	55.7	84.0	62.0
Interest paid	12.2	11.7	9.7	12.3	14.5	14.4
Cash operating surplus(b)	36.1	34.3	40.8	46.5	77.5	61.1
Gross indebtedness	105.3	119.7	131.3	130.6	150.4	169.8
Total net capital expenditure	13.6	14.3	12.9	18.1	24.8	20.2

(a) Includes an estimate for the value of the increase in livestock.

(b) Excludes an estimate for the value of the increase in livestock.

NOTE: Standard error of change between two successive years is 1.3 times the standard error of the estimate (except for the all industries estimate where it is equal to the standard error of the estimate). Standard error of change between estimates two years apart could be as high as 1.8 times the standard error of the estimate (except for the all industries estimate where it could be 1.5 times the standard error of the estimate).

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains statistics on crops, livestock and livestock products and characteristics of farms; it includes some summary information on the financial performance of agricultural industries and the value of agricultural commodities produced.

SCOPE AND COVERAGE

2 The statistics on crops (including horticulture), livestock numbers, structure of agricultural industries, land management and farm inputs are derived from the annual agricultural census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.

3 Establishments which make only a small contribution to overall agricultural production are excluded from the scope of the census. Information is collected from establishments when their estimated value of agricultural operations (EVAO) is above a certain level. These levels have varied in past agricultural censuses, as follows:

- | | |
|----------------------|-----------------------------|
| ■ 1993–94 to present | EVAO \$5,000 and over; |
| ■ 1991–92 to 1992–93 | EVAO \$22,500 and over; |
| ■ 1986–87 to 1990–91 | EVAO \$20,000 and over; and |
| ■ before 1986–87 | EVAO \$2,500 and over. |

4 Table 1 shows the number of agricultural establishments having an EVAO of \$5,000 and over according to the population frame selected for the agricultural census. Once data on these units are collected and processed a small number of them are found to have an EVAO of less than \$5,000. These are shown in the first column in table 5. Some units are found to have an EVAO of zero; these are shown as 'unclassified' in tables 1, 5 and 6.

5 The effect of the lower EVAO cut off of \$5,000 and over from 1993–94 onwards is to include smaller agricultural establishments that have been excluded in previous years. However, because of their small size they are not expected to change greatly the overall commodity totals. Nevertheless, the changes in scope between years mean that care must be taken in comparing census results over time.

6 Information covering commodities such as livestock slaughterings, dairy produce and beekeeping is obtained from separate ABS collections and from organisations such as the Australian Dairy Corporation.

REFERENCE PERIOD

7 Statistics about crops, pastures, vegetables and fruit relate, in general, to the season ended 31 March. Where harvesting was not completed by 31 March 1997 (for example, maize, rice, apples, grapes and late planted potatoes), the production statistics relate to the completed harvest.

EXPLANATORY NOTES *continued*

ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY

8 An establishment with agricultural activity is a single physical location which is used for the production of crops (including fruit and vegetables) and/or for the raising of livestock and the production of livestock products.

INDUSTRY AND SIZE CLASSIFICATION

9 Establishments in the agricultural sector were classified in accordance with the methodology described in the 1993 *Australian and New Zealand Standard Industrial Classification (ANZSIC) (1292.0)*.

10 The process of determining the industry class for ANZSIC is the 'step by step' method of classification described in Chapter 4 of the *Australian Standard Industrial Classification (1201.0)*. This method requires that the Division code of the unit be determined first. The Subdivision code within the major Division of the unit is then determined, followed by the Group code and finally the Class code of the unit.

11 The Group and Class codes of agricultural units are determined annually by valuing physical crop and livestock information collected in the agricultural census. The valuation procedure allows for the industry classification of individual units to be changed to reflect significant or long-term changes in their activities.

12 However, the valuation procedure provides for a dampening or resistance effect to offset instability in allocation to particular classes of the classification which would arise from short-term factors such as floods and drought. To obviate such effects, the valuation procedure takes into account (without double counting) the area of crops sown and numbers of livestock on holdings at a point in time as well as the crops produced and livestock turnoff during the year. The resultant aggregation of these commodity values is termed the estimated value of agricultural operations (EVAO). It should be noted that EVAO is applicable *only for industry coding and size valuation purposes*. It is not an indicator of receipts obtained by units or of the value of agricultural commodities produced by these units.

DEFINITIONS OF TERMS USED

13 The following are definitions of terms used in the tables of this publication:

- *agricultural establishment* is an establishment which is engaged *mainly* in agricultural activities; and
- *establishment with agricultural activity* is a land-based establishment which is engaged in agricultural activity, regardless of the unit's predominant activity.

CROPS, PASTURES AND HORTICULTURE

14 Statistics of areas and production of crops relate, 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 the production during the year ended on that date, or of fruit set by that date. For example, particulars of area, production and yield per hectare 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 1996–97 season relates to the harvesting period October 1996 to February 1997. Statistics of other crops which in some States are harvested after 31 March 1997 (e.g. maize, potatoes, apples and pears) are collected by supplementary census returns and are included in this publication.

LIVESTOCK SLAUGHTERING AND LIVESTOCK PRODUCTS

15 The statistics on slaughtering and meat production are based on a collection from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms and by country butchers and other small slaughtering establishments. Care should be taken when using this information as the figures only relate to slaughtering for human consumption and do not include animals condemned or those killed for boiling down. Also, definitions of livestock categories may differ between States and within States, particularly with regard to calves.

WOOL

16 Wool receivals statistics show the amount of taxable wool received by brokers and dealers from wool producers. They exclude wool received by brokers on which wool tax has already been paid by other dealers (private buyers) or brokers. The information shown is on the basis of the State in which the wool has actually been received and does not necessarily reflect the production of wool in that State.

17 The wool estimates contained in table 45 are obtained from these major sources:

- (i) A monthly collection of National Council of Wool Selling Brokers of Australia in each State and incorporated in this publication with reference to the twelve months to 30 June. The data are compiled in terms of bales received into stores and converted to wool receivals in tonnes.
- (ii) A monthly ABS collection of other wool brokers and dealers in each State, also incorporated with reference to the twelve months to 30 June. Data are reported in tonnes, or converted to tonnes as required.

MILK

18 These statistics have been collected by the Australian Dairy Corporation (ADC).

POULTRY

19 Poultry slaughtering statistics have been compiled from returns supplied by commercial poultry slaughtering establishments.

BEEKEEPING

20 Beekeepers are included in this collection if they have a minimum EVAO of \$5,000, whether for beekeeping alone or in conjunction with other agricultural activities.

AGRICULTURAL FINANCE SURVEY

21 The financial estimates in this publication have been derived from estimates from the Agricultural Finance Survey (AFS). The survey aims to meet demands of users who require annual financial statistics on a consistent basis across all agricultural industries in each State and Australia.

22 More detailed information including an outline of the reliability of the estimates and their standard errors is published in *Agricultural Industries Financial Statistics, Australia* (7507.0).

EXPLANATORY NOTES *continued*

SCOPE AND COVERAGE OF THE AFS

23 The population of the AFS consisted of all economic units (management units) the principal activity of which resulted in them being classified within Subdivision 01 'Agriculture' of the ANZSIC and which had an EVAO of \$22,500 or more.

VALUE OF AGRICULTURAL COMMODITIES PRODUCED

24 This publication contains summary information on the value of agricultural commodities produced (VACP) compiled annually for all States and Australia. The summary information contains gross values of production for selected agricultural commodities. More detailed information is available in *Value of Agricultural Commodities Produced* (7503.0).

SCOPE AND COVERAGE OF VACP STATISTICS

25 The statistics are derived by multiplying quantity data by price (or unit value) data. The quantity data are collected in the agricultural censuses and other ABS collections with some information from external sources. All price information is obtained from non-ABS sources.

PRICE AND MARKETING COSTS DATA

26 The method of collection of relevant prices for, and the costs of marketing of agricultural commodities vary 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, Australian Barley 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.

DEFINITION OF GROSS VALUE

27 Gross value of commodities produced is the value placed on recorded production at the wholesale prices realised in the market place.

OTHER FORMS OF RELEASE

28 The ABS also has more detailed agricultural statistics on microfiche, floppy disk and CD ROM. AgStats on CD ROM offers a wider range of data aggregated at smaller geographic areas than those generally available in printed publications, together with an easy-to-use interrogation facility.

29 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.

EXPLANATORY NOTES *continued*

UNPUBLISHED STATISTICS

30 As well as the statistics in this and related publications, the ABS may have other unpublished data available. Inquiries should be directed to Peter Carmalt on Adelaide (08) 8237 7632 .

31 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.

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

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