

1995-96

EMBARGO: 11:30 AM (CANBERRA TIME) MON 26 MAY 1997

Agriculture

Victoria

NOTES

SYMBOLS AND OTHER USAGES

ha	hectares
kg	kilograms
km	kilometres
n.a.	not available
n.c.	not collected
n.p.	not published
n.y.a.	not yet available
p	preliminary
r	figure or series revised since previous issue
SE%	percentage standard error
t	tonnes
*	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For further information about statistics in this publication and the availability of related unpublished statistics, contact Winton McColl on Melbourne (03) 9615 7470 or any ABS State office.

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

Stuart Jackson
Regional Director, Victoria

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SUMMARY OF FINDINGS

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INTRODUCTION

The 1995-96 season showed a marked improvement over the previous drought affected year. The Wimmera and Mallee Statistical Divisions (SD), the principal grain growing regions, experienced good conditions. The average wheat yield in Wimmera SD was 2.6 t/ha in 1995-96 compared with 1.5 t/ha in 1994-95. Average yields in Mallee SD were 1.9 t/ha in 1995-96 compared to a 1994-95 average of 0.9 t/ha. The dairy industry continued to perform soundly. Heavy rains and wet conditions in the Gippsland region caused some problems for dairy farmers. Prices for meat cattle weakened during the year. The sheep industry during 1995-96 experienced a continued downward trend in wool prices. The bright side for the sheep industry was strong prices for the "fat lamb" sector.

STRUCTURE OF AGRICULTURAL INDUSTRY

The number of establishments with agricultural activity declined from 37,070 at 31 March 1995 to 36,904 at 31 March 1996. This was a decrease of 0.4%. The total at 31 March 1996 included 382 establishments with agricultural activity, but whose main activity was in some other industry, and 376 establishments which were not classified to any industry as they had no economic activity.

Agricultural establishments are given an industry code according to their predominant activity. Therefore, figures showing agricultural establishments by industry in Victoria need to be treated with caution because of the relatively high level of mixed farming. Taking this into account, the main industries of the agricultural establishments were:

	<i>Number</i>	<i>% of establishments with agricultural activity</i>
Beef cattle farming	8 155	22.1
Dairy cattle	7 933	21.5
Sheep farming	4 691	12.7

The recovery from the drought can be gauged by the significant increase from 31 March 1995 to 31 March 1996 in the number of establishments classified to grain growing. The number increased from 2,452 to 3,054 (24.6%). However, establishments classified to grain-sheep/beef cattle farming decreased 2.7% (from 2,939 to 2,860). Establishments in the sheep farming industry also decreased, from 5,017 to 4,691 (6.5%).

At 31 March 1996, only 4.0% of establishments with agricultural activity had an estimated value of agricultural operations (EVAO) of \$500,000 or more. The grain growing industry accounted for 20.2% of these establishments. In contrast, some 33.2% of establishments had an EVAO between \$5,000 and \$49,999.

In terms of area, 91 establishments had an area of 5,000 hectares or more at 31 March 1996; most were in the grain growing and sheep-beef cattle farming industries.

At 31 March 1996, establishments with agricultural activity occupied 12,768,000 hectares, or 56.1% of Victoria's total area. The area of cereal crops was 1,883,100 hectares, 14.7% of the total area of holding of establishments with agricultural activity. This was an increase of 20.0% on the previous year when 1,569,800 hectares were used for cereal crops (see table 7).

SUMMARY OF FINDINGS *continued*

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LAND MANAGEMENT

The main method of handling crop stubble in 1995-96, used on 364,400 hectares, was to plough it into the soil. The next most popular method was to burn it; this method was used on 279,600 hectares. Leaving it intact; that is, no cultivation, and to sow crops by direct drilling, was used on 218,900 hectares (see table 8).

A total of 2.1 million trees were planted from seedlings during the 1995-96 season. The Western District SD accounted for 34.3% of these trees (see table 10).

Soil conditioners (lime, dolomite, gypsum) were applied to 260,700 ha of Victorian farmland during 1995-96. The two principal conditioners used were gypsum, (292,500 tonnes over 134,300 ha) and lime (184,100 tonnes over 113,100 ha). The Wimmera SD accounted for 28.6% of the total area to which soil conditioners were applied.

During 1995-96, 1,959,600 ha of pasture were top dressed and weed control measures were carried out on 595,100 ha (see tables 13 and 14).

CROPS AND PASTURES

In terms of area, the two main cereal crops grown were wheat (853,400 hectares) and barley (627,500 hectares). In the year ended 31 March 1996, the area sown to wheat for grain increased from 821,800 hectares to just over 853,400 hectares, a rise of 3.8%. The number of establishments growing wheat increased by 8.5% to 5,694 (see tables 16 and 23).

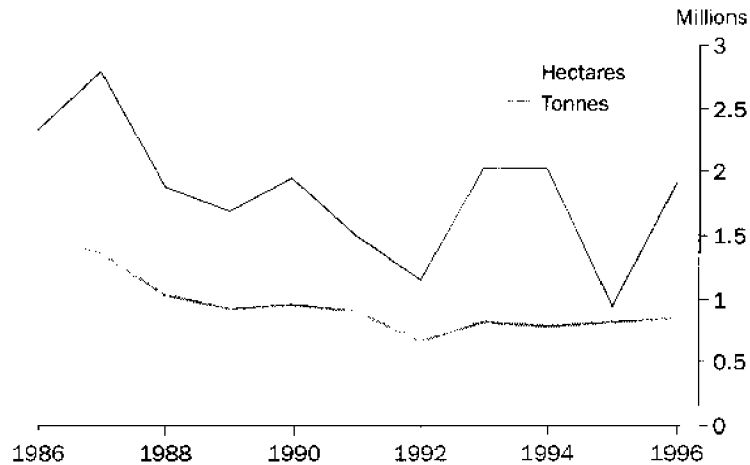
WHEAT

In 1995-96, the area of wheat grown was 853,400 ha for a total production of 1,921,200 tonnes. The area of wheat grown was 3.8% more than in 1994-95. However, production increased by 103.5%, a reflection of the breaking of the drought. The average yield in 1995-96 was 2.3 t/ha compared to only 1.1 t/ha in 1994-95. In terms of area, the principal wheat growing region was the Mallee SD which accounted for 49.4% of the area and 42.2% of total wheat production. The Wimmera SD grew 34.8% of the wheat area and produced 40.5% of the State's wheat crop (see table 16).

SUMMARY OF FINDINGS *continued*

In 1995-96, wheat was grown on 5,694 farm establishments, most growing less than 100 ha. The median size wheat crop in 1995-96 was 59 ha. Only 255 (4.5%) establishments grew wheat crops of 500 ha or more. These establishments accounted for 24.1% of the area of wheat grown and 20.2% of the wheat produced (see table 22).

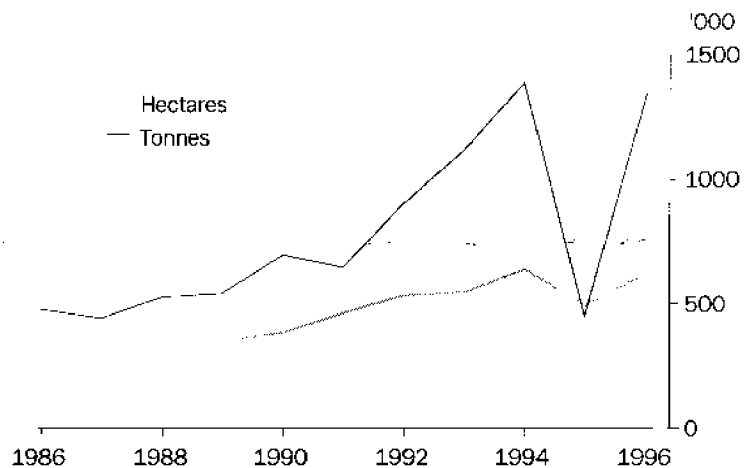
WHEAT, YEARS ENDED 31 MARCH



BARLEY

The area sown to barley in 1995-96 was 627,500 ha, 27.4% greater than in 1994-95. Production was 1,341,700 tonnes, almost treble the 1994-95 production. The Mallee SD grew 52.3% of the area and produced 47.8% of the barley crop. The other main region was Wimmera SD which grew 35.3% of the barley area and produced 38.5% of the crop. Most barley growers planted less than 100 ha in area (see table 22).

BARLEY, YEARS ENDED 31 MARCH

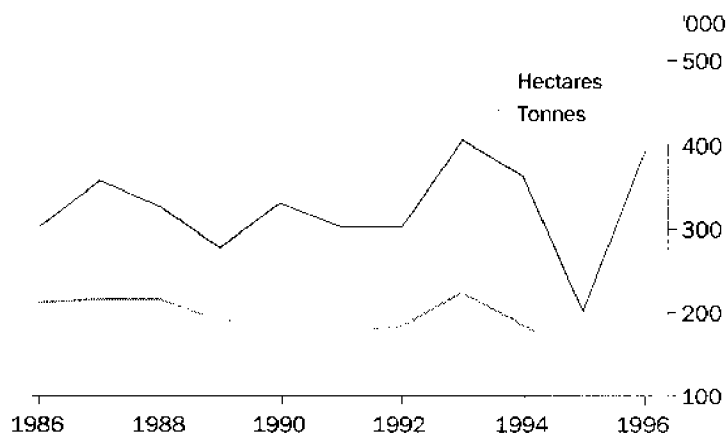


SUMMARY OF FINDINGS *continued*

OATS

Oats for grain were grown on 187,000 ha in 1995-96 for a total production of 391,700 tonnes. The area was up 26.6% and production was up by 95.3% on 1994-95. The Wimmera SD accounted for 27.4% of area and 26.0% of production (see table 16).

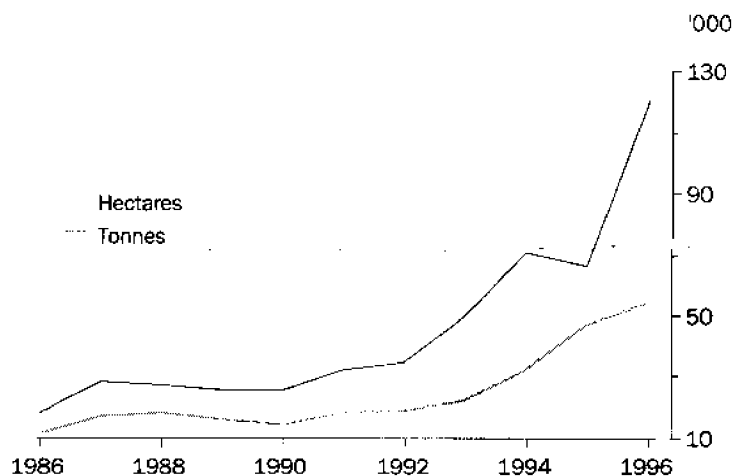
OATS, YEARS ENDED 31 MARCH



TRITICALE

Triticale continued to increase in popularity as a broadacre crop, with 951 farm establishments growing it in 1995-96 compared with 912 the previous year and 671 in 1993-94. The area sown to triticale for grain increased from 47,000 ha in 1994-95 to 54,800 ha in 1995-96, an increase of 16.6%. Mallee, Goulburn and Wimmera were the principal SDs in which triticale was grown. Production in 1995-96 was 120,500 tonnes, an increase of 82.0% on 1994-95 (see tables 16 and 23).

TRITICALE PRODUCTION, YEARS ENDED 31 MARCH

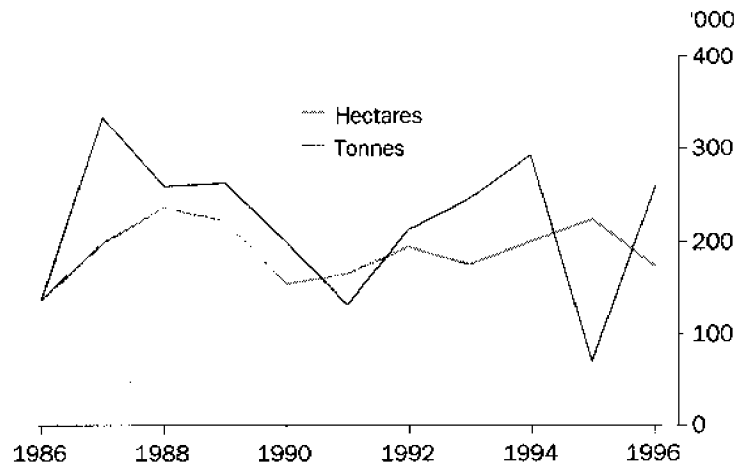


SUMMARY OF FINDINGS *continued*

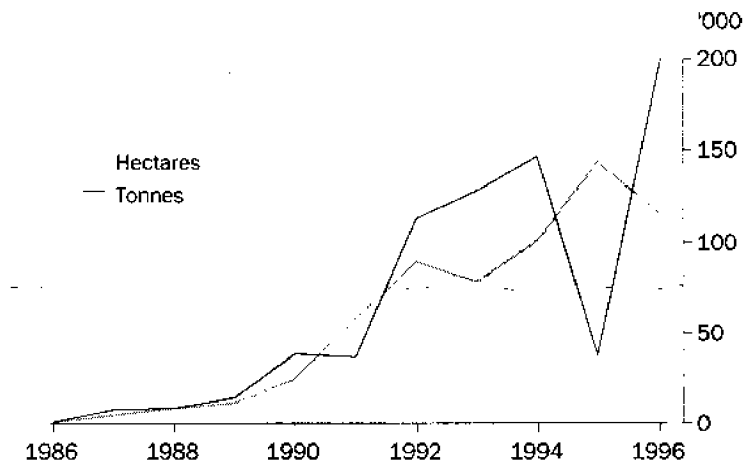
OTHER FIELD CROPS

In 1995-96, the area of both field and chick peas were significantly down on 1994-95. The area of field peas sown was 171,900 ha, 23.0% less than in 1994-95. However, production of 260,000 tonnes was 277.4% above 1994-95 production, and average yield was 1.5 t/ha in 1995-96 compared with the drought affected 1994-95 yield of 0.3 t/ha. The area of chick peas in 1995-96 was 115,000 ha, 19.9% less than in 1994-95. Production of 199,600 tonnes was over five times the 1994-95 production. Average yields in 1995-96 were 1.7 t/ha compared with 0.3 t/ha in 1994-95 (see table 17).

FIELD PEAS PRODUCTION, YEARS ENDED 31 MARCH



CHICK PEAS PRODUCTION, YEARS ENDED 31 MARCH

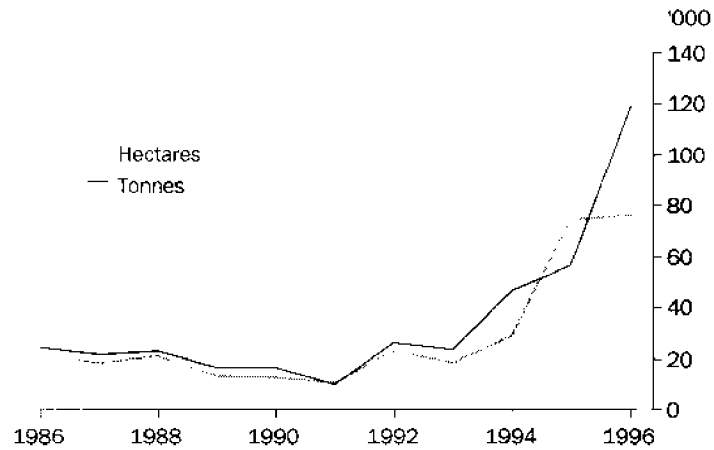


SUMMARY OF FINDINGS *continued*

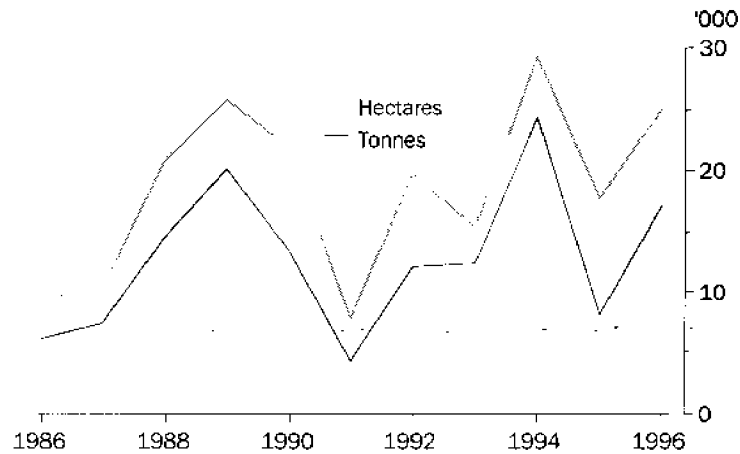
OILSEEDS

The main oilseed crop grown in Victoria was canola, of which 76,200 ha was grown in 1995-96, up by 2.3% from 1994-95. Canola production increased from 56,700 tonnes to 119,600 tonnes, an increase of 110.9%. Other main oilseed crops in 1995-96 were safflower (25,100 ha for 17,100 tonnes), soybeans (2,000 ha for 4,000 tonnes), and sunflowers (1,600 ha for 2,200 tonnes). Wimmera SD was the principal area for growing oilseed crops; it accounted for 58.4% of the total oilseed crop area with a total area of 61,300 ha grown (see table 19).

CANOLA, YEARS ENDED 31 MARCH



SAFFLOWER, YEARS ENDED 31 MARCH



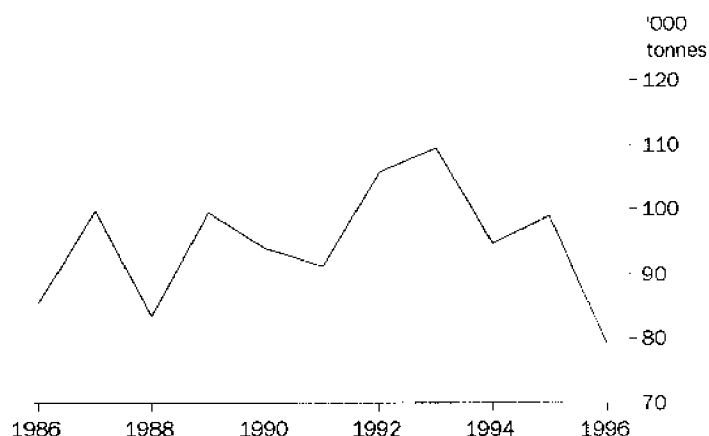
SUMMARY OF FINDINGS *continued*

HORTICULTURE

APPLES

At 31 March 1996, there were 2,204,400 apple trees in Victoria, comprising 854,700 trees under six years and 1,349,700 trees six years and over, an increase of 12.8% on the total number of trees at the end of 1994-95. Total apple production in 1995-96 was 79,000 tonnes, 20.2% below the amount produced in 1994-95. The Goulburn SD accounted for 32.6% and Melbourne SD 31.3% of total apple trees in Victoria. Goulburn SD produced 40.9% of the Victorian apple crop and Melbourne SD produced 27.6% (see table 25).

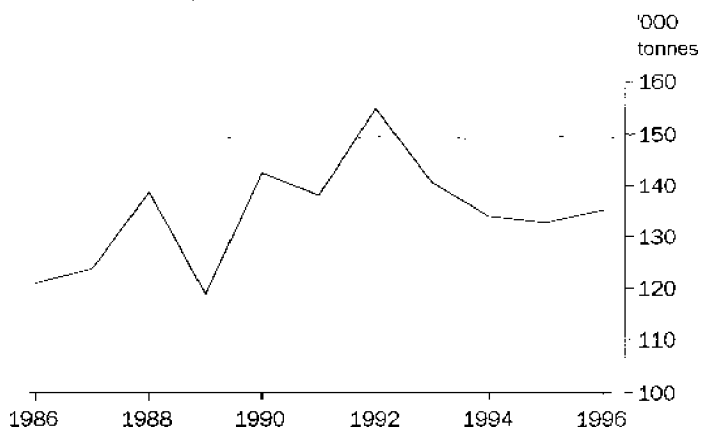
APPLE PRODUCTION, YEARS ENDED 31 MARCH



PEARS

During the 1995-96 season, total pear production increased marginally to 135,200 tonnes. Total tree numbers remained at 1.1 million. The major SD in terms of tree numbers and production was Goulburn, accounting for 96.6% of the State's production (see table 25).

PEAR PRODUCTION, YEARS ENDED 31 MARCH



SUMMARY OF FINDINGS *continued*

CITRUS FRUIT

Oranges and mandarins are the principal two citrus fruit crops grown. At the end of 1995-96, the number of mandarin trees in Victoria was 144,700, of which 99.7% were in the Mallee SD. The total number of orange trees was 1,347,900, with the Mallee SD accounting for 91.5% of these trees. Mandarin production in 1995-96 was 4,963,200 tonnes, an increase of 29.6% on 1994-95 production. Orange production was 72,357,900 tonnes, down 14.1% on 1994-95 production (see table 25).

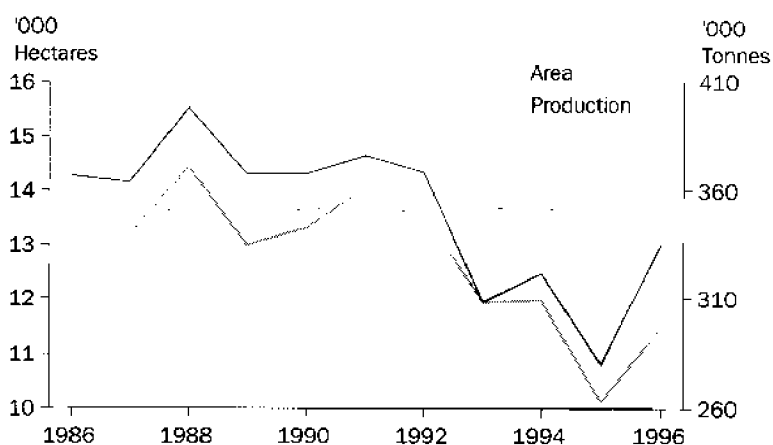
GRAPES

In the 1995-96 season, the grape industry in Victoria continued its strong expansion. The area of bearing grapes at the end of 1995-96 was 19,820.8 ha, or 4.4% greater than the previous year area. During 1995-96, there were 1,761.1 ha of grapes planted or grafted. This was 16.7% more than in 1994-95 and the highest level of new planting activity in recent years. Most new planting occurred in Mallee SD (953.3 ha, or 54.1% of total new planting) and Ovens-Murray SD (385.8 ha, 21.9% of total new planting). Total grape production during 1995-96 was 426,700 tonnes, an increase of 53.8% on the drought affected 1994-95 year. Grapes for wine making accounted for 46.7% of total production and grapes for drying 45.2% of production (see table 30).

VEGETABLES

In value terms, the two main vegetable crops grown in Victoria are potatoes and mushrooms. In 1995-96, the total area of potatoes grown was 11,457 ha. Production was 335,649 tonnes, 19.9% higher than 1994-95 production. Principal producing SDs in 1995-96 were Gippsland (106,290 tonnes from 3,492 ha), Central Highlands (97,738 tonnes from 2,602 ha) and Melbourne (61,148 tonnes from 2,252 ha) (see tables 31, 32 and 33).

POTATO AREA AND PRODUCTION, YEARS ENDED 31 MARCH



Mushroom production in 1995-96 was 13,834 tonnes, a 2.1% increase on 1994-95 production.

NURSERIES

The total area of cut flowers grown during the year was 1,713 ha, 10.4% less than the 1994-95 area. In 1995-96, the estimated total nursery gross receipts from sales of cut flowers were \$53.6 million (see tables 34 and 36).

SUMMARY OF FINDINGS *continued*

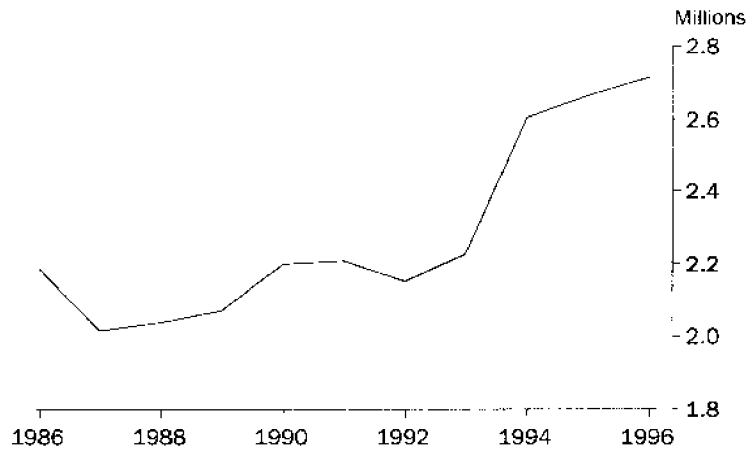
LIVESTOCK AND LIVESTOCK PRODUCTS

MEAT CATTLE

The meat cattle herd at 31 March 1996 was 2.7 million, marginally up on the previous year's herd (an increase of 1.9%). The total number of establishments with meat cattle decreased from 20,642 at 31 March 1995 to 20,151 at 31 March 1996. The Western District SD accounted for 21.7% of the Victorian herd. Goulburn SD had 15.6% of the meat cattle herd, Gippsland SD 13.9% and East Gippsland SD 12.0% (see table 37).

At 31 March 1996, there were 20,151 establishments with meat cattle, 7,401 (36.7%) of these had herd sizes of less than 50 cattle. At the other end of the scale, 162 (0.8%) establishments had herd sizes of 1,000 or more and accounted for 10.6% of the meat cattle herd. The median meat cattle herd size at 31 March 1996 was 103 cattle (see table 39).

MEAT CATTLE, AT 31 MARCH

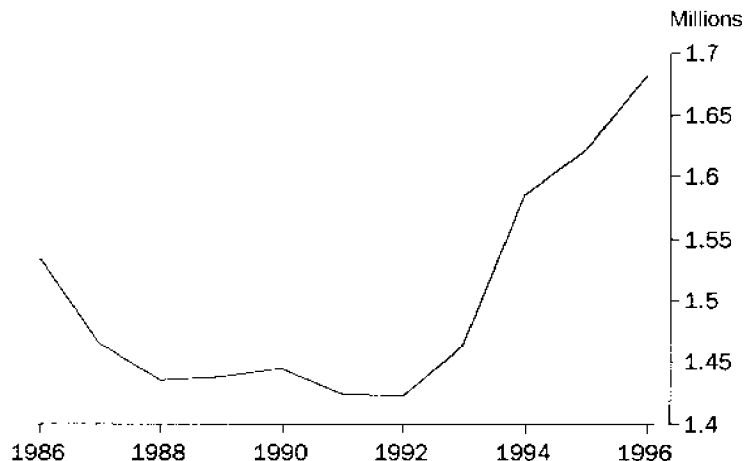


MILK CATTLE

The milk cattle herd increased 3.7% between 31 March 1995 and 31 March 1996, from 1,621,700 to 1,681,800. The number of establishments with milk cattle at 31 March 1996 was 8,471, an increase of 1.2% (see tables 40 and 41).

- The median milk cattle herd size at 31 March 1996 was 175 cattle. There were 320 (3.8%) establishments that had herds of 500 or more. At 31 March 1995, there were 299 establishments with herds of 500 or more (see table 42).

MILK CATTLE, AT 31 MARCH



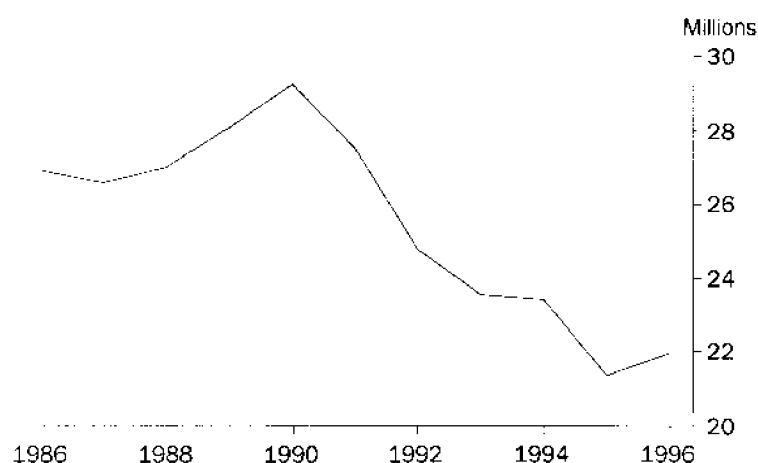
SUMMARY OF FINDINGS *continued*

SHEEP AND LAMBS

At 31 March 1996, the Victorian sheep flock was 22.0 million, an increase of 2.9% on the 1995 flock size. The number of establishments with sheep at 31 March 1996 was 14,514, a slight increase on the previous year. Almost 30.0% of the sheep flock was in the Western District SD (see tables 43 and 44).

The number of establishments with flock sizes of 10,000 or more was 154 at 31 March 1996. This was 1.1% of all establishments with sheep and lambs, but these establishments accounted for 9.5% of the flock (see table 45).

SHEEP AND LAMBS, AT 31 MARCH



During 1995-96, lambs marked were 7.0 million, down from the 7.3 million marked during 1994-95. The marking ratio (lambs marked as a proportion of ewes mated) was 82.8%, 1.7 percentage points higher than the previous year. Expected matings for the 1996-97 year are 9.2 million, 4.9 million to merino rams (see table 46).

PIGS

The pig herd at 31 March 1996 was 458,500, 4.5% higher than at 31 March 1995. The number of establishments with pigs at 31 March 1996 was 613, of which 89 (14.5%) had herds of 1,000 or more. These establishments accounted for 78.6% of the pig herd (see tables 47 and 48).

PIGS, AT 31 MARCH



SUMMARY OF FINDINGS *continued*

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POULTRY

At 31 March 1996, there were an estimated 2.3 million hens for egg production on Victorian farming establishments and 10.4 million chickens for meat production. The estimated number of meat chickens sold off poultry farms in 1995-96 was 55.7 million. The estimated number of turkeys on Victorian farms at 31 March 1996 was 123,000, while the number of ducks was 238,000 (see tables 49 and 50).

VALUE OF AGRICULTURAL COMMODITIES PRODUCED

At the time of publication, preliminary figures only were available for the gross value of agricultural commodities produced in the year ending 31 March 1996.

These figures show that wheat for grain was the leading individual crop in terms of value of production at \$507.8 million. This was an increase of 148.2% from \$204.6 million in 1994-95. This was due to a favourable season and strong export wheat prices. Wheat remained the principal contributor to the value of cereal grain production accounting for 54.7% of the total, followed by barley which contributed 35.8% of the total (see table 21).

In relation to fruit, preliminary figures show that grapes remained the leading individual fruit in value terms at \$202.9 million, followed by apples with a value of production of \$100.3 million. Next highest was pears contributing \$68.3 million (see table 29).

The gross value of vegetables produced in 1995-96 was \$378.3 million, down 1.8% on the 1994-95 figure of \$385.1 million. Potatoes (\$81.2 million) and mushrooms (\$57.5 million) were the major contributors to the 1995-96 total (see table 33).

The gross value of livestock slaughtering decreased slightly from the previous year to \$1,367.7 million. Cattle and calf slaughtering represented 50.4% of this value followed by sheep and lambs, poultry and pigs which represented 23.8%, 15.4% and 10.3% respectively. Preliminary figures show the most significant change in livestock slaughtering was the gross value of sheep and lamb slaughtering. This value increased by 23.7% to \$325.9 million in 1995-96 (see table 54).

- The gross value of wool production decreased from the previous year to \$487.7 million, a fall of 23.0%. The value of milk production increased by 30.3% to \$1,710.7 million. The value of eggs increased to \$53.2 million in 1995-96 (see table 54).

NOTE ON STATISTICAL DIVISIONS

Due to changes in boundaries of Statistical Divisions, data for the 1994-95 and 1995-96 seasons are not directly comparable at the statistical division level. The Statistical Division names in all cases except Loddon-Campaspe (which has changed to Loddon), have remained the same. Whilst many of the changes are relatively minor, caution must be exercised when comparing data between the reference years mentioned above.

See maps on pages 82 and 83 for further detail.

1

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

Industry class		1994	1995	1996
ANZSIC code	Industry of establishment	no.	no.	no.
0111	Plant nurseries	291	284	287
0112	Cut flower and flower seed growing	185	184	209
0113	Vegetable growing	1 083	1 015	1 005
0114	Grape growing	1 729	1 645	1 733
0115	Apple and pear growing	466	448	431
0116	Stonefruit growing	240	251	256
0117	Kiwi fruit growing	13	13	9
0119	Fruit growing n.e.c.	396	382	375
0121	Grain growing	3 019	2 452	3 054
0122	Grain-sheep/beef cattle farming	2 689	2 939	2 860
0123	Sheep-beef cattle farming	3 343	3 178	3 084
0124	Sheep farming	4 773	5 017	4 691
0125	Beef cattle farming	8 307	8 367	8 155
0130	Dairy cattle farming	8 057	7 946	7 933
0141	Poultry farming (meat)	151	155	161
0142	Poultry farming (eggs)	123	118	110
0151	Pig farming	275	242	196
0152	Horse farming	420	330	333
0153	Deer farming	130	112	106
0159	Livestock farming n.e.c.	450	734	805
0161	Sugar cane growing	—	—	—
0162	Cotton growing	—	—	—
0169	Crop and plant growing n.e.c.	321	390	353
Total (ANZSIC Code 01)		36 461	36 202	36 146
02	Services to agriculture; hunting and trapping	36	40	53
03	Forestry and logging	—	1	1
04	Commercial fishing	—	—	1
Total (ANZSIC Division A)		36 497	36 243	36 201
All other ANZSIC Divisions		258	259	327
Unclassified		575	568	376
Total all industries		37 330	37 070	36 904

(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 76.

2

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

Industry class		1994	1995	1996
ANZSIC code	Industry of establishment	no.	no.	no.
0111	Plant nurseries	193	237	236
0112	Cut flower and flower seed growing	144	162	183
0113	Vegetable growing	1 026	955	939
0114	Grape growing	1 589	1 488	1 582
0115	Apple and pear growing	448	425	407
0116	Stonefruit growing	204	215	216
0117	Kiwi fruit growing	11	11	8
0119	Fruit growing n.e.c.	319	316	299
0121	Grain growing	2 925	2 296	2 962
0122	Grain-sheep/beef cattle farming	2 528	2 715	2 732
0123	Sheep-beef cattle farming	2 831	2 661	2 528
0124	Sheep farming	3 336	3 675	3 618
0125	Beef cattle farming	5 314	4 678	4 508
0130	Dairy cattle farming	7 958	7 823	7 818
0141	Poultry farming (meat)	148	153	155
0142	Poultry farming (eggs)	118	113	106
0151	Pig farming	261	230	185
0152	Horse farming	253	202	220
0153	Deer farming	128	104	99
0159	Livestock farming n.e.c.	265	486	584
0161	Sugar cane growing	—	—	—
0162	Cotton growing	—	—	—
0169	Crop and plant growing n.e.c.	270	318	276
Total (ANZSIC Code 01)		30 269	29 263	29 661
02	Services to agriculture; hunting and trapping	23	30	31
03	Forestry and logging	—	—	—
04	Commercial fishing	—	—	—
Total (ANZSIC Division A)		30 292	29 293	29 692
All other ANZSIC Divisions		159	179	206
Unclassified		—	—	—
Total all industries		30 451	29 472	29 898

3

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

Statistical division	1994	1995	1996
	no.	no.	no.
Melbourne	2 799	2 848	2 743
Barwon	1 924	1 874	2 027
Western District	5 274	5 190	5 148
Central Highlands	2 111	2 120	1 957
Wimmera	3 069	3 040	3 171
Mallee	4 294	4 146	4 498
Loddon	3 546	3 541	2 315
Goulburn	5 756	5 688	6 559
Ovens-Murray	2 444	2 450	2 330
East Gippsland	1 581	1 628	2 534
Gippsland	4 532	4 545	3 622
Victoria	37 330	37 070	36 904

(a) See explanatory note 4 on page 76.

(b) Figures are at 31 March.

4

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

Statistical division	1994	1995	1996
	no.	no.	no.
Melbourne	1 970	1 956	1 920
Barwon	1 430	1 394	1 528
Western District	4 545	4 418	4 470
Central Highlands	1 596	1 582	1 493
Wimmera	2 730	2 643	2 855
Mallee	3 900	3 683	4 074
Loddon	2 777	2 688	1 733
Goulburn	4 617	4 481	5 268
Ovens-Murray	1 880	1 789	1 703
East Gippsland	1 268	1 245	1 996
Gippsland	3 738	3 593	2 858
Victoria	30 451	29 472	29 898

(a) Figures are at 31 March.

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	6	45	61	67
0112	Cut flower and flower seed growing	1	25	35	43
0113	Vegetable growing	24	42	81	129
0114	Grape growing	23	128	306	573
0115	Apple and pear growing	1	23	31	48
0116	Stonefruit growing	5	35	39	60
0117	Kiwi fruit growing	1	—	1	3
0119	Fruit growing n.e.c.	19	57	62	72
0121	Grain growing	21	71	204	471
0122	Grain-sheep/beef cattle farming	7	121	435	829
0123	Sheep-beef cattle farming	28	528	733	820
0124	Sheep farming	118	955	1 111	1 257
0125	Beef cattle farming	273	3 374	2 413	1 345
0130	Dairy cattle farming	24	91	292	1 061
0141	Poultry farming (meat)	3	3	6	5
0142	Poultry farming (eggs)	—	4	7	12
0151	Pig farming	1	10	21	18
0152	Horse farming	11	102	102	70
0153	Deer farming	1	6	20	18
0159	Livestock farming n.e.c.	40	181	155	136
0161	Sugar cane growing	—	—	—	—
0162	Cotton growing	—	—	—	—
0169	Crop and plant growing n.e.c.	24	53	45	69
Total (ANZSIC Code 01)		631	5 854	6 160	7 106
02	Services to agriculture; hunting and trapping	2	20	20	4
03	Forestry and logging	1	—	—	—
04	Commercial fishing	—	1	—	—
Total (ANZSIC Division A)		634	5 875	6 180	7 110
All other ANZSIC Divisions		17	104	89	47
Unclassified		376	—	—	—
Total all industries		1 027	5 979	6 269	7 157

(a) See explanatory note 4 on page 76.

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	46	40	22	287
0112	Cut flower and flower seed growing	45	42	18	209
0113	Vegetable growing	204	300	225	1 005
0114	Grape growing	501	169	33	1 733
0115	Apple and pear growing	100	131	97	431
0116	Stonefruit growing	57	44	16	256
0117	Kiwi fruit growing	2	—	2	9
0119	Fruit growing n.e.c.	66	64	35	375
0121	Grain growing	819	1 173	295	3 054
0122	Grain-sheep/beef cattle farming	899	500	69	2 860
0123	Sheep-beef cattle farming	602	319	54	3 084
0124	Sheep farming	870	344	36	4 691
0125	Beef cattle farming	574	154	22	8 155
0130	Dairy cattle farming	3 398	2 805	262	7 933
0141	Poultry farming (meat)	17	73	54	161
0142	Poultry farming (eggs)	19	36	32	110
0151	Pig farming	37	52	57	196
0152	Horse farming	36	10	2	333
0153	Deer farming	27	27	7	106
0159	Livestock farming n.e.c.	94	105	94	805
0161	Sugar cane growing	—	—	—	—
0162	Cotton growing	—	—	—	—
0169	Crop and plant growing n.e.c.	84	59	19	353
Total (ANZSIC Code 01)		8 497	6 447	1 451	36 146
02	Services to agriculture; hunting and trapping	2	4	1	53
03	Forestry and logging	—	—	—	1
04	Commercial fishing	—	—	—	1
Total (ANZSIC Division A)		8 499	6 451	1 452	36 201
All other ANZSIC Divisions		35	23	12	327
Unclassified		—	—	—	376
Total all industries		8 534	6 474	1 464	36 904

		AREA OF ESTABLISHMENT (HECTARES).....					
Industry class		0 to 49	50 to 99	100 to 499	500 to 999	1,000 to 2,499	2,500 to 4,999
ANZSIC code	Industry of establishment	no.	no.	no.	no.	no.	no.
0111	Plant nurseries	257	14	15	—	—	—
0112	Cut flower and flower seed growing	169	24	11	5	—	—
0113	Vegetable growing	490	175	292	37	10	1
0114	Grape growing	1 580	80	62	4	6	—
0115	Apple and pear growing	316	66	44	4	1	—
0116	Stonefruit growing	215	22	19	—	—	—
0117	Kiwi fruit growing	5	2	2	—	—	—
0119	Fruit growing n.e.c.	300	32	33	5	5	—
0121	Grain growing	19	41	914	1 037	877	137
0122	Grain-sheep/beef cattle farming	16	54	1 185	963	552	77
0123	Sheep-beef cattle farming	129	266	1 789	561	281	40
0124	Sheep farming	185	366	2 789	961	343	40
0125	Beef cattle farming	2 046	2 076	3 519	370	114	12
0130	Dairy cattle farming	881	2 082	4 752	190	25	2
0141	Poultry farming (meat)	127	10	21	1	2	—
0142	Poultry farming (eggs)	85	7	13	4	1	—
0151	Pig farming	64	37	67	22	6	—
0152	Horse farming	175	74	83	1	—	—
0153	Deer farming	55	18	32	1	—	—
0159	Livestock farming n.e.c.	508	106	143	32	11	5
0161	Sugar cane growing	—	—	—	—	—	—
0162	Cotton growing	—	—	—	—	—	—
0169	Crop and plant growing n.e.c.	126	57	146	20	4	—
Total (ANZSIC Code 01)		7 748	5 609	15 931	4 218	2 238	314
02	Services to agriculture; hunting and trapping	13	14	24	2	—	—
03	Forestry and logging	—	1	—	—	—	—
04	Commercial fishing	1	—	—	—	—	—
Total (ANZSIC Division A)		7 762	5 624	15 955	4 220	2 238	314
All other ANZSIC Divisions		148	55	102	16	4	—
Unclassified		197	56	107	10	4	1
Total all industries		8 107	5 735	16 164	4 246	2 246	315

AREA OF ESTABLISHMENT (HECTARES).....

Industry class		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.
0111	Plant nurseries	1	—	—	—	287
0112	Cut flower and flower seed growing	—	—	—	—	209
0113	Vegetable growing	—	—	—	—	1 005
0114	Grape growing	1	—	—	—	1 733
0115	Apple and pear growing	—	—	—	—	431
0116	Stonefruit growing	—	—	—	—	256
0117	Kiwi fruit growing	—	—	—	—	9
0119	Fruit growing n.e.c.	—	—	—	—	375
0121	Grain growing	24	4	—	1	3 054
0122	Grain-sheep/beef cattle farming	12	1	—	—	2 860
0123	Sheep-beef cattle farming	12	1	4	1	3 084
0124	Sheep farming	7	—	—	—	4 691
0125	Beef cattle farming	7	6	4	1	8 155
0130	Dairy cattle farming	—	1	—	—	7 933
0141	Poultry farming (meat)	—	—	—	—	161
0142	Poultry farming (eggs)	—	—	—	—	110
0151	Pig farming	—	—	—	—	196
0152	Horse farming	—	—	—	—	333
0153	Deer farming	—	—	—	—	106
0159	Livestock farming n.e.c.	—	—	—	—	805
0161	Sugar cane growing	—	—	—	—	—
0162	Cotton growing	—	—	—	—	—
0169	Crop and plant growing n.e.c.	—	—	—	—	353
Total (ANZSIC Code 01)		64	13	8	3	36 146
02	Services to agriculture: hunting and trapping	—	—	—	—	53
03	Forestry and logging	—	—	—	—	1
04	Commercial fishing	—	—	—	—	1
Total (ANZSIC Division A)		64	13	8	3	36 201
All other ANZSIC Divisions		1	1	—	—	327
Unclassified		—	1	—	—	376
Total all industries		65	15	8	3	36 904

(a) Other State publications have area of establishment categories above 100,000 hectares. However, in Victoria there are no establishments with an area of greater than 100,000 hectares.

7

AREA AND LAND USE OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, At 31 March 1996

Statistical division	Area of cereal crops(a)	Area of other crops	Area of orchard trees	Area of vegetables
	'000 ha	'000 ha	'000 ha	'000 ha
Melbourne	5.9	5.0	2.6	10.8
Barwon	26.8	7.3	—	1.6
Western District	43.7	12.1	—	0.8
Central Highlands	65.2	9.9	0.3	3.1
Wimmera	598.5	296.6	0.7	—
Mallee	822.7	163.1	7.7	3.1
Loddon	147.0	31.4	0.7	0.6
Goulburn	148.4	25.9	9.6	3.4
Ovens-Murray	16.4	5.4	1.3	0.1
East Gippsland	6.5	2.3	0.1	3.4
Gippsland	2.0	4.3	0.3	4.3
Victoria				
1996	1 883.1	563.3	23.3	31.3
1995	1 569.8	592.8	22.7	28.2
1994	1 699.6	498.3	23.1	34.4

Statistical division	Area of holding	Area of non-agricultural land(b)	Total area (agricultural and non-agricultural land)
	'000 ha	'000 ha	'000 ha
Melbourne	224.4	545.1	769.5
Barwon	507.0	390.6	897.6
Western District	1 749.3	587.4	2 336.7
Central Highlands	738.6	407.4	1 146.0
Wimmera	2 291.5	1 089.9	3 381.4
Mallee	2 575.3	1 436.8	4 012.1
Loddon	965.6	484.7	1 450.3
Goulburn	1 568.3	1 164.1	2 732.4
Ovens-Murray	662.5	1 100.4	1 762.9
East Gippsland	1 023.4	2 170.1	3 193.5
Gippsland	462.1	632.2	1 094.3
Victoria			
1996	12 768.0	10 008.7	22 776.7
1995	12 719.4	10 057.3	22 776.7
1994	13 017.3	9 759.4	22 776.7

(a) Excludes pastures and grasses harvested for hay and seed.

(b) 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, mangrove swamps, etc.

8

CROP STUBBLE DISPOSAL, Year ended 31 March 1996

AREA OF HOLDING ON WHICH CROP STUBBLE TECHNIQUES WERE USED.....

Statistical division	Stubble was burnt	Stubble removed by grazing, baling or fire harrowing	Stubble was incorporated(a)	Stubble was mulched(b)	Stubble was left intact(c)
	ha	ha	ha	ha	ha
Melbourne	588.0	449.0	1 287.4	219.0	98.0
Barwon	6 283.8	6 346.2	5 314.8	827.5	1 707.0
Western District	14 848.6	6 686.6	4 242.6	1 245.6	3 319.2
Central Highlands	18 720.5	8 854.9	7 027.9	1 693.6	4 821.0
Wimmera	107 493.6	74 458.4	109 942.0	107 033.7	100 415.2
Mallee	60 121.9	63 130.3	205 295.4	60 836.8	73 851.8
Loddon	29 462.6	16 368.6	17 331.5	5 137.0	22 463.0
Goulburn	37 036.6	16 752.3	11 862.4	2 433.0	11 289.0
Ovens-Murray	4 510.6	1 902.4	746.0	88.0	693.1
East Gippsland	418.0	649.9	1 079.2	207.6	168.0
Gippsland	140.0	132.8	222.8	155.0	67.0
Victoria					
1996	279 624.2	195 731.4	364 352.0	179 876.8	218 892.3
1995	275 741.5	n.c.	447 696.5	142 631.8	367 774.1

(a) Farm machinery used to plough stubble into soil.

(b) Farm machinery used to chop or slash stubble into smaller lengths.

(c) No cultivation; crops sown by direct drilling.

9

CULTIVATION OF BROADACRE CROPS, Year ended 31 March 1996

Statistical division	More than two cultivations	One or two cultivations	No cultivation
	ha	ha	ha
Melbourne	2 783.2	477.7	143.0
Barwon	12 544.1	6 519.6	3 060.0
Western District	17 465.7	10 028.5	6 487.9
Central Highlands	17 461.4	15 322.1	12 458.2
Wimmera	293 834.3	239 162.9	131 369.4
Mallee	498 349.6	212 773.1	55 802.7
Loddon	54 407.8	49 512.4	22 933.8
Goulburn	43 294.5	36 801.6	23 499.0
Ovens-Murray	3 205.2	3 153.6	3 019.2
East Gippsland	2 362.7	912.4	299.2
Gippsland	916.8	326.2	18.0
Victoria	946 625.3	574 990.1	259 090.4

CLEARED AGRICULTURAL LAND
PLANTED WITH TREES (b)

SEEDLINGS PLANTED.....

Statistical division	CLEARED AGRICULTURAL LAND PLANTED WITH TREES (b)		SEEDLINGS PLANTED.....			
	For timber/pulp ha	Other purposes ha	For timber/pulp '000	Other purposes ha	For timber/pulp '000	Other purposes ha
Melbourne	281.8	748.7	22.7	11.1	58.7	200.0
Barwon	382.1	2 374.6	72.6	48.2	111.6	247.8
Western District	4 580.1	3 565.3	545.7	660.4	158.0	506.1
Central Highlands	389.8	4 771.9	54.6	62.3	66.0	375.0
Wimmera	230.0	837.4	112.6	49.3	45.7	144.2
Mallee	224.9	695.2	13.4	16.2	69.2	238.3
Loddon	470.5	3 784.3	38.2	44.0	90.9	269.6
Goulburn	5 455.0	5 733.7	109.0	82.7	249.5	727.4
Ovens-Murray	638.3	1 866.9	14.7	15.8	30.1	149.3
East Gippsland	324.2	2 276.8	7.7	9.3	58.1	154.9
Gippsland	2 959.5	711.8	28.3	22.2	94.5	370.4
Victoria	15 936.2	27 366.6	1 019.6	1 021.5	1 032.4	3 383.0

SEED SOWN

TIMBER HARVESTED

Statistical division	SEED SOWN		TIMBER HARVESTED	
	kg	ha	Hardwood t	Softwood t
Melbourne	184.0	12.0	—	9.0
Barwon	225.0	187.4	488.0	260.0
Western District	3 822.3	4 460.7	210.0	10 280.3
Central Highlands	511.0	192.1	—	17.0
Wimmera	451.0	340.5	—	400.0
Mallee	2 077.0	882.4	—	—
Loddon	1 106.6	390.3	60.0	—
Goulburn	2 040.0	1 647.0	—	298.0
Ovens-Murray	1 361.0	1 265.7	—	300.0
East Gippsland	512.0	1 674.0	1 617.0	6 159.0
Gippsland	3 151.0	2 142.7	2.5	1 545.0
Victoria	15 440.9	13 194.8	2 377.5	19 268.3

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

(b) Area of cleared agricultural land planted with trees at 31 March 1996. Includes trees planted during reference and earlier years.

KILOMETRES ERECTED TO ISOLATE.....

Statistical division	Saline areas	Other degraded areas	Creeks and rivers	Remnant native vegetation	Planted trees and shrubs
	km	km	km	km	km
Melbourne	14.7	13.1	64.1	34.0	897.0
Barwon	98.9	26.8	107.6	72.9	1 668.8
Western District	213.2	70.1	320.1	153.3	3 141.7
Central Highlands	77.4	26.1	101.9	59.9	2 816.3
Wimmera	123.3	53.0	82.5	124.3	542.3
Mallee	188.7	39.7	39.0	84.4	1 667.2
Loddon	110.1	34.9	101.1	137.4	1 596.4
Goulburn	152.4	366.3	438.0	892.9	5 901.4
Ovens-Murray	14.9	58.7	177.4	38.9	594.9
East Gippsland	182.9	11.7	121.2	76.3	6 838.7
Gippsland	37.9	39.8	232.8	165.8	4 884.7
Victoria	1 214.4	740.2	1 785.7	1 840.1	30 549.4

AREA ISOLATED.....

Statistical division	Saline areas	Other degraded areas	Remnant native vegetation	Planted trees and shrubs	Other
	ha	ha	ha	ha	ha
Melbourne	63.9	56.5	581.9	8 731.8	57.9
Barwon	672.8	274.9	730.8	1 547.7	208.1
Western District	1 734.8	1 411.2	2 763.1	4 521.5	745.7
Central Highlands	856.3	891.5	1 335.2	2 246.3	75.2
Wimmera	936.0	1 031.2	2 262.3	2 434.2	557.2
Mallee	2 096.3	157.1	1 754.7	1 995.4	1 269.6
Loddon	1 596.2	331.3	1 070.8	1 515.5	240.9
Goulburn	784.5	929.5	2 048.3	4 142.9	565.4
Ovens-Murray	29.8	270.8	812.2	1 332.6	222.4
East Gippsland	181.0	126.4	2 226.6	801.6	479.8
Gippsland	208.0	132.4	2 612.8	1 414.5	182.1
Victoria	9 159.6	5 612.8	18 198.7	30 684.0	4 604.3

Statistical division	NITROGENOUS		PHOSPHATIC		POTASSIUM	
	Area	Weight	Area	Weight	Area	Weight
	'000 ha	'000 t	'000 ha	'000 t	'000 ha	'000 t
Melbourne	10.1	4.1	36.6	10.8	12.2	3.7
Barwon	20.2	2.8	116.3	22.0	33.0	6.6
Western District	74.2	14.9	779.9	119.5	127.7	26.3
Central Highlands	24.9	3.6	163.1	23.7	11.2	2.9
Wimmera	204.3	40.1	532.8	71.8	9.3	1.5
Mallee	141.2	18.5	284.4	33.5	10.1	1.5
Loddon	20.5	9.5	136.4	21.2	3.0	0.5
Goulburn	73.4	13.7	316.5	63.3	15.0	3.2
Ovens-Murray	10.9	1.8	108.2	38.3	9.8	1.7
East Gippsland	24.4	4.6	173.7	33.6	39.6	8.2
Gippsland	32.9	19.0	182.8	95.8	81.1	19.1
Victoria	637.2	132.5	2 830.7	533.6	352.0	75.1

Statistical division	COMPOUND	
	Area	Weight
	'000 ha	'000 t
Melbourne	12.1	5.5
Barwon	32.8	7.5
Western District	80.5	15.7
Central Highlands	24.1	4.9
Wimmera	297.7	33.9
Mallee	524.2	76.2
Loddon	65.0	39.4
Goulburn	101.0	17.0
Ovens-Murray	11.5	2.4
East Gippsland	19.7	6.1
Gippsland	48.2	15.0
Victoria	1 216.8	223.7

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

Statistical division	LIME		DOLOMITE-ACIDITY(b)		DOLOMITE-PHYSICAL(c)	
	Area '000 ha	Weight '000 t	Area '000 ha	Weight '000 t	Area '000 ha	Weight '000 t
Melbourne	6.7	15.0	0.6	0.9	0.2	0.1
Barwon	6.4	10.8	0.4	0.7	0.1	0.1
Western District	25.5	42.9	1.6	1.3	0.8	0.5
Central Highlands	11.0	19.9	0.5	0.6	0.1	0.1
Wimmera	4.1	5.4	0.9	0.7	0.2	0.1
Mallee	1.8	1.4	0.1	—	—	—
Loddon	3.7	4.7	0.4	0.3	—	—
Goulburn	19.2	25.7	1.0	1.4	0.4	0.6
Ovens-Murray	6.3	8.0	1.1	1.3	0.4	0.3
East Gippsland	7.9	13.2	0.4	0.4	0.2	0.1
Gippsland	20.5	37.0	3.2	2.9	0.5	0.4
Victoria	113.1	184.1	10.4	10.4	3.0	2.4

GYPSUM

Statistical division	Area '000 ha	Weight '000 t
Melbourne	1.6	3.6
Barwon	1.5	3.0
Western District	5.6	3.3
Central Highlands	1.6	3.4
Wimmera	69.3	169.3
Mallee	31.5	62.6
Loddon	9.4	22.1
Goulburn	11.6	22.8
Ovens-Murray	0.4	0.4
East Gippsland	0.6	0.8
Gippsland	1.2	1.3
Victoria	134.3	292.5

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

(b) Dolomite used to correct soil acidity problems.

(c) Dolomite used to correct physical soil problems.

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MAINTENANCE AND MANAGEMENT OF PASTURES, Year ended 31 March 1996

<i>Statistical division</i>	<i>Top dressing</i> '000 ha	<i>Weed control</i> '000 ha	<i>Pest & disease control</i> '000 ha	<i>Slashing & burning</i> '000 ha	<i>Total area</i> '000 ha
Melbourne	38.4	26.0	3.0	4.5	71.9
Barwon	114.7	33.5	19.8	4.6	172.7
Western District	668.8	106.9	62.7	8.1	846.5
Central Highlands	131.3	27.8	14.8	2.5	176.4
Wimmera	169.3	56.6	43.2	13.1	282.2
Mallee	50.3	64.4	21.0	11.5	147.2
Loddon	82.3	34.3	23.9	5.4	146.0
Goulburn	262.0	72.8	47.1	49.1	431.0
Ovens-Murray	90.7	50.8	10.0	5.1	156.6
East Gippsland	158.0	43.0	9.6	18.3	228.8
Gippsland	194.0	78.9	16.9	8.2	298.0
Victoria	1 959.6	595.1	272.1	130.4	2 957.3

15

IRRIGATION AREA AND SCHEDULING METHOD, Year ended 31 March 1996

METHOD USED TO DECIDE WHEN TO IRRIGATE.....

<i>Statistical division</i>	<i>Total area irrigated</i> '000 ha	<i>Evaporation figures</i> no.	<i>Tensiometers</i> no.	<i>Soil probes</i> no.	<i>Government or commercial</i> no.	<i>Calendar/rotational</i> no.	<i>Local knowledge</i> no.	<i>Other</i> no.
Melbourne	13.4	12	26	16	3	34	433	31
Barwon	3.0	3	3	1	1	6	117	4
Western District	5.5	4	3	3	2	18	200	10
Central Highlands	4.4	8	6	18	2	9	143	4
Wimmera	3.0	14	3	—	4	26	90	4
Mallee	96.4	181	325	86	70	362	1 496	57
Loddon	55.5	20	16	4	8	98	433	19
Goulburn	186.7	139	44	48	44	584	2 259	108
Ovens-Murray	8.9	4	9	7	1	33	318	17
East Gippsland	37.1	54	5	9	6	56	543	34
Gippsland	5.1	9	2	4	2	18	163	10
Victoria	419.0	448	442	196	143	1 244	6 195	298

Statistical division	BARLEY			GRAIN SORGHUM		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	2.9	7.4	2.5	—	—	—
Barwon	12.5	32.1	2.6	—	0.1	2.3
Western District	8.9	19.8	2.2	—	—	2.0
Central Highlands	7.5	18.5	2.5	—	—	—
Wimmera	221.3	516.6	2.3	0.3	0.8	2.3
Mallee	327.9	641.0	2.0	0.8	1.7	2.2
Loddon	30.0	69.5	2.3	—	—	2.0
Goulburn	15.4	34.7	2.2	0.3	1.3	4.3
Ovens-Murray	0.6	1.5	2.6	—	—	2.0
East Gippsland	0.3	0.5	1.7	—	—	—
Gippsland	0.1	0.1	1.0	—	—	—
Victoria						
1996	627.5	1 341.7	2.1	1.5	4.0	2.6
1995	492.3	448.1	0.9	5.7	7.6	1.3
1994	639.5	1 386.2	2.2	0.2	0.1	0.4

Statistical division	MAIZE			MILLET		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	—	—	0.7	—	—	—
Barwon	—	—	—	—	—	—
Western District	—	—	2.5	—	—	—
Central Highlands	—	—	—	—	—	—
Wimmera	0.2	0.4	2.1	—	0.1	2.3
Mallee	0.2	1.0	5.2	0.6	1.0	1.6
Loddon	0.2	1.9	8.0	0.3	0.5	2.0
Goulburn	0.3	2.6	7.4	0.1	0.1	1.0
Ovens-Murray	—	—	—	0.1	0.1	2.2
East Gippsland	0.1	0.7	5.7	—	—	1.7
Gippsland	—	0.1	10.1	—	—	1.7
Victoria						
1996	1.1	6.8	6.0	1.0	1.8	1.7
1995	0.7	5.1	7.4	1.7	2.6	1.6
1994	0.2	1.7	7.2	1.4	2.1	1.5

OATS

TRITICALE.....

Statistical division	OATS			TRITICALE		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	0.4	0.8	2.3	—	—	—
Barwon	5.3	12.7	2.4	1.7	3.9	2.2
Western District	15.2	36.6	2.4	4.8	11.3	2.3
Central Highlands	25.0	69.0	2.8	6.8	17.2	2.5
Wimmera	51.2	101.9	2.0	10.8	22.3	2.1
Mallee	30.2	45.1	1.5	14.0	26.7	1.9
Loddon	28.6	60.6	2.1	2.8	6.0	2.1
Goulburn	26.7	56.3	2.1	12.0	28.9	2.4
Ovens-Murray	3.9	7.5	1.9	1.4	3.7	2.7
East Gippsland	0.4	0.9	2.0	0.3	0.5	1.5
Gippsland	—	0.1	2.8	—	—	2.1
Victoria						
1996	187.0	391.7	2.1	54.8	120.5	2.2
1995	147.7	200.6	1.4	47.0	66.2	1.4
1994	185.8	362.0	1.9	32.4	70.7	2.2

WHEAT

Statistical division	WHEAT		
	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	0.4	0.8	2.1
Barwon	2.4	6.9	2.8
Western District	3.6	10.0	2.8
Central Highlands	11.8	33.2	2.8
Wimmera	297.3	777.6	2.6
Mallee	421.3	810.6	1.9
Loddon	65.8	158.3	2.4
Goulburn	44.7	109.2	2.4
Ovens-Murray	5.3	13.1	2.5
East Gippsland	0.6	1.3	2.1
Gippsland	0.1	0.1	1.0
Victoria			
1996	853.4	1 921.2	2.3
1995	821.8	944.2	1.1
1994	779.9	2 021.9	2.6

Statistical division	CHICK PEAS			FABA BEANS		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	—	—	—	—	—	—
Barwon	—	—	0.6	—	—	—
Western District	0.1	0.1	2.1	—	0.1	1.9
Central Highlands	0.1	—	0.4	0.2	0.3	1.6
Wimmera	91.7	164.3	1.8	17.9	36.2	2.0
Mallee	21.8	33.1	1.5	3.6	4.8	1.3
Loddon	1.2	1.9	1.6	1.1	2.3	2.1
Goulburn	—	0.1	1.5	0.2	0.5	2.4
Ovens-Murray	—	—	—	—	—	—
East Gippsland	—	—	—	—	—	—
Gippsland	—	—	—	—	—	—
Victoria						
1996	115.0	199.6	1.7	23.1	44.2	1.9
1995	143.5	37.5	0.3	36.2	17.4	0.5
1994	100.3	146.2	1.5	44.8	65.4	1.5

Statistical division	FIELD PEAS			LUPINS		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	—	—	—	—	—	—
Barwon	0.5	0.9	1.7	0.3	0.6	1.8
Western District	0.2	0.5	2.0	1.2	1.8	1.5
Central Highlands	0.2	0.2	1.1	1.4	2.2	1.5
Wimmera	84.5	146.8	1.7	20.6	24.7	1.2
Mallee	76.3	96.1	1.3	9.4	9.7	1.0
Loddon	8.4	12.8	1.5	8.0	11.7	1.5
Goulburn	1.4	2.1	1.5	8.8	10.5	1.2
Ovens-Murray	0.4	0.6	1.6	0.7	0.9	1.2
East Gippsland	—	—	—	—	—	1.8
Gippsland	—	—	—	—	—	—
Victoria						
1996	171.9	260.0	1.5	50.5	62.0	1.2
1995	223.2	68.9	0.3	64.4	23.0	0.4
1994	199.9	292.5	1.5	55.1	59.5	1.1

VETCHES

<i>Statistical division</i>	<i>Area</i> '000 ha	<i>Production</i> '000 t	<i>Yield</i> t/ha
Melbourne	—	—	—
Barwon	—	—	—
Western District	—	—	0.7
Central Highlands	—	—	1.7
Wimmera	9.2	5.4	0.6
Mallee	12.9	8.3	0.6
Loddon	0.5	0.3	0.6
Goulburn	0.2	0.2	0.9
Ovens-Murray	—	—	0.4
East Gippsland	—	—	—
Gippsland	—	—	—
Victoria			
1996	23.0	14.3	0.6
1995	24.0	0.8	—
1994	19.8	9.4	0.5

Statistical division	OATS			CEREALS (EXCLUDING OATS)		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	0.9	4.4	4.9	—	0.1	3.3
Barwon	2.0	9.1	4.5	0.2	0.9	4.6
Western District	4.6	19.8	4.3	0.6	3.0	4.6
Central Highlands	6.6	29.0	4.4	0.5	1.8	3.5
Wimmera	6.8	23.9	3.5	1.4	3.8	2.7
Mallee	8.7	23.0	2.7	2.5	5.7	2.3
Loddon	8.7	35.4	4.1	1.1	3.9	3.6
Goulburn	22.7	104.2	4.6	2.3	7.8	3.3
Ovens-Murray	2.3	10.9	4.7	0.1	0.4	2.9
East Gippsland	2.0	10.0	4.9	0.1	0.5	4.1
Gippsland	0.6	3.4	6.2	—	0.1	3.5
Victoria						
1996	65.7	273.0	4.2	9.0	27.9	3.1
1995	42.3	143.8	3.4	n.c.	n.c.	n.c.
1994	46.1	189.5	4.1	n.c.	n.c.	n.c.

Statistical division	OTHER CROPS.....			LUCERNE.....		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	0.2	0.7	3.3	1.1	4.4	4.2
Barwon	0.7	2.7	3.7	2.6	11.7	4.5
Western District	1.2	4.0	3.4	4.7	20.2	4.3
Central Highlands	0.3	1.3	4.0	3.3	12.8	3.8
Wimmera	2.3	5.4	2.3	3.2	11.0	3.4
Mallee	3.2	26.8	8.3	4.8	24.2	5.1
Loddon	0.8	2.2	2.9	11.0	61.7	5.6
Goulburn	4.4	6.6	1.5	9.9	49.5	5.0
Ovens-Murray	0.4	1.8	4.4	2.0	9.5	4.9
East Gippsland	0.1	0.6	4.1	3.9	20.3	5.2
Gippsland	0.2	1.0	4.6	2.4	12.5	5.2
Victoria						
1996	13.9	53.2	3.8	48.9	237.9	4.9
1995	9.7	26.7	2.8	37.2	188.4	5.1
1994	5.4	16.4	3.0	35.2	190.6	5.4

Statistical division	OTHER PASTURES			TOTAL PASTURES		
	Area 000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production 000 t	Yield t/ha
Melbourne	16.9	70.5	4.2	18.0	74.9	4.2
Barwon	35.6	154.5	4.3	38.2	166.2	4.3
Western District	117.0	470.2	4.0	121.7	490.4	4.0
Central Highlands	28.5	107.1	3.8	31.9	120.0	3.8
Wimmera	44.1	113.6	2.6	47.3	124.6	2.6
Mallee	36.4	108.0	3.0	41.1	132.1	3.2
Loddon	26.5	90.1	3.4	37.4	151.8	4.1
Goulburn	97.5	373.6	3.8	107.4	423.1	3.9
Ovens-Murray	20.7	86.1	4.2	22.7	95.6	4.2
East Gippsland	32.1	138.0	4.3	36.0	158.3	4.4
Gippsland	56.6	259.3	4.6	59.0	271.8	4.6
Victoria						
1996	511.9	1 970.9	3.9	560.8	2 208.8	3.9
1995	329.5	1 245.9	3.8	366.7	1 434.3	3.9
1994	396.0	1 561.0	3.9	431.2	1 751.6	4.1

Statistical division	CANOLA			SAFFLOWER		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	0.2	0.3	1.5	—	—	—
Barwon	2.3	3.7	1.6	—	—	—
Western District	2.2	3.2	1.5	0.5	0.3	0.6
Central Highlands	4.9	8.2	1.7	0.2	0.2	0.8
Wimmera	46.0	71.7	1.6	14.9	10.6	0.7
Mallee	11.4	17.2	1.5	4.2	2.9	0.7
Loddon	4.9	8.6	1.8	4.0	2.3	0.6
Goulburn	4.3	6.3	1.5	1.3	0.8	0.6
Ovens-Murray	0.2	0.3	1.4	—	—	—
East Gippsland	—	—	—	—	—	—
Gippsland	—	—	1.5	—	—	—
Victoria						
1996	76.2	119.6	1.6	25.1	17.1	0.7
1995	74.5	56.7	0.8	17.7	8.2	0.5
1994	29.2	46.8	1.6	29.4	24.4	0.8

Statistical division	SOYBEANS			SUNFLOWER		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	—	—	—	—	—	2.0
Barwon	—	—	—	0.4	0.5	1.2
Western District	—	—	—	0.3	0.5	1.4
Central Highlands	—	0.1	1.9	—	—	1.5
Wimmera	0.2	0.2	1.5	0.2	0.2	1.1
Mallee	—	—	0.8	0.4	0.3	0.8
Loddon	0.3	0.5	1.7	0.2	0.4	1.9
Goulburn	1.5	3.1	2.1	0.1	0.3	2.3
Ovens-Murray	—	—	—	—	—	—
East Gippsland	—	—	1.8	—	—	—
Gippsland	—	—	—	—	—	—
Victoria						
1996	2.0	4.0	2.0	1.6	2.2	1.3
1995	1.8	2.3	1.3	0.9	1.5	1.7
1994	2.0	4.4	2.2	2.4	3.7	1.5

Statistical division	HOPS			TOBACCO		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Melbourne	—	—	—	—	—	—
Barwon	—	—	—	—	—	—
Western District	—	—	—	—	—	—
Central Highlands	—	—	—	—	—	—
Wimmera	—	—	—	—	—	—
Mallee	—	—	—	—	—	—
Loddon	—	—	—	—	—	—
Goulburn	—	—	—	—	—	—
Ovens-Murray	0.3	0.7	2.4	1.4	3.2	2.3
East Gippsland	—	—	—	—	—	—
Gippsland	—	—	—	—	—	—
Victoria						
1996	0.3	0.7	2.4	1.4	3.2	2.3
1995	0.3	0.6	2.1	1.4	2.9	2.1
1994	0.3	0.6	2.1	1.4	4.1	2.9

	1994	1995 ^r	1996 ^p
	\$m	\$m	\$m
Cereals for grain			
Barley	196.4	102.3	331.9
Maize	0.4	1.3	1.2
Oats	32.9	43.5	56.6
Panicum and millet	1.0	1.1	0.7
Sorghum	—	2.0	0.9
Triticale	10.4	12.3	24.8
Wheat	348.9	204.6	507.8
Other	3.1	2.3	3.7
Total	593.1	368.9	927.6
Crops and pastures for hay			
Oats	17.8	21.8	42.7
Lucerne	29.0	39.4	50.0
Other crops and pastures for hay	181.9	200.5	301.3
Total	228.7	261.7	394.0
Canola	21.0	21.4	48.5
Chick peas	54.1	18.8	74.7
Field peas	73.2	18.8	63.8
Hops	3.2	2.8	4.4
Tobacco (dried leaf)	24.8	16.1	1.7

	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)	1 474	975	688	391	509	196
percentage of total establishments	32.5	21.5	15.1	8.6	11.2	4.3
area (hectares)	38 155	67 815	81 779	65 673	119 630	65 500
percentage of total area of barley planted	6.1	10.8	13.0	10.5	19.1	10.4
production (tonnes)	85 072	152 586	186 285	145 058	269 615	137 956
percentage of total barley production	6.3	11.4	13.9	10.8	20.1	10.3
Oats for grain						
establishments (number)	3 032	792	270	75	62	17
percentage of total establishments	71.3	18.6	6.3	1.8	1.5	0.4
area (hectares)	68 463	52 479	30 641	12 460	14 103	5 478
percentage of total area of oats planted	36.6	28.1	16.4	6.7	7.5	2.9
production (tonnes)	146 154	113 910	63 713	24 048	28 284	11 495
percentage of total oats production	37.3	29.1	16.3	6.1	7.2	2.9
Wheat for grain						
establishments (number)	1 816	1 113	831	511	663	318
percentage of total establishments	31.9	19.5	14.6	9.0	11.6	5.6
area (hectares)	42 329	79 001	98 529	86 098	155 826	106 024
percentage of total area of wheat planted	5.0	9.3	11.5	10.1	18.3	12.4
production (tonnes)	106 016	192 950	245 125	206 800	366 646	243 797
percentage of total wheat production	5.5	10.0	12.8	10.8	19.1	12.7

	AREA SOWN (HECTARES)					
	400 to 499	500 to 999	1,000 to 1,499	1,500 to 1,999	2,000 and over	Total
Barley for grain						
establishments (number)	123	168	13	4	2	4 543
percentage of total establishments	2.7	3.7	0.3	0.1	—	100.0
area (hectares)	53 135	110 405	14 262	6 764	4 400	627 518
percentage of total area of barley planted	8.5	17.6	2.3	1.1	0.7	100.0
production (tonnes)	106 944	213 517	27 430	11 195	6 000	1 341 658
percentage of total barley production	8.0	15.9	2.0	0.8	0.4	100.0
Oats for grain						
establishments (number)	2	4	—	—	—	4 254
percentage of total establishments	—	0.1	—	—	—	100.0
area (hectares)	845	2 504	—	—	—	186 972
percentage of total area of oats planted	0.5	1.3	—	—	—	100.0
production (tonnes)	2 197	1 849	—	—	—	391 651
percentage of total oats production	0.6	0.5	—	—	—	100.0
Wheat for grain						
establishments (number)	183	207	32	13	7	5 694
percentage of total establishments	3.2	3.6	0.6	0.2	0.1	100.0
area (hectares)	79 579	132 312	36 213	20 636	16 813	853 362
percentage of total area of wheat planted	9.3	15.5	4.2	2.4	2.0	100.0
production (tonnes)	172 231	275 385	61 178	29 410	21 638	1 921 177
percentage of total wheat production	9.0	14.3	3.2	1.5	1.1	100.0

(a) Year ended 31 March 1996.

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ESTABLISHMENTS GROWING CEREALS FOR GRAIN, Year ended 31 March 1996

<i>Statistical division</i>	<i>Barley</i> no.	<i>Grain sorghum</i> no.	<i>Maize</i> no.	<i>Millet</i> no.	<i>Oats</i> no.	<i>Triticale</i> no.	<i>Wheat</i> no.
Melbourne	36	—	1	—	24	—	15
Barwon	210	1	—	—	191	55	123
Western District	215	1	1	—	481	107	158
Central Highlands	189	—	—	1	583	133	275
Wimmera	1 742	5	1	2	950	194	2 104
Mallee	1 434	8	6	17	479	114	1 457
Loddon	432	1	6	13	650	71	705
Goulburn	264	6	13	6	738	239	718
Ovens-Murray	6	1	—	6	136	33	107
East Gippsland	12	—	10	1	19	4	23
Gippsland	3	—	3	1	3	1	9
Victoria							
1996	4 543	23	41	47	4 254	951	5 694
1995	4 123	76	27	75	3 698	912	5 247
1994	4 599	4	16	52	3 972	671	5 251

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CEREAL CROP FORECAST FOR ALL PURPOSES, Year ended 31 March 1997

AREA SOWN OR INTENDED TO BE SOWN IN 1997.....

<i>Statistical division</i>	<i>Barley</i> '000 ha	<i>Oats</i> '000 ha	<i>Wheat</i> '000 ha
Melbourne	3.5	0.7	0.9
Barwon	14.5	6.7	5.3
Western District	8.4	18.0	14.0
Central Highlands	7.0	30.7	20.5
Wimmera	211.2	53.2	310.3
Mallee	289.4	28.4	418.4
Loddon	30.9	30.4	76.8
Goulburn	19.1	36.5	57.7
Ovens-Murray	0.5	5.5	6.0
East Gippsland	0.4	1.9	1.3
Gippsland	0.3	0.1	0.4
Victoria			
1997	585.3	212.0	911.5
1996	615.1	239.1	825.6

APPLES

LEMONS AND LIMES

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Melbourne	253.9	435.8	21 771.5	50.0	6.2	12.0	718.1	59.9
Barwon	—	1.3	31.7	25.1	0.3	—	4.3	—
Western District	0.1	6.7	121.4	18.1	—	—	—	—
Central Highlands	17.5	75.0	4 555.6	60.7	—	—	—	—
Wimmera	0.3	1.2	11.4	9.9	—	—	—	—
Mallee	—	0.4	2.7	7.7	7.9	53.4	2 873.2	53.8
Loddon	108.0	244.8	7 267.3	29.7	—	—	—	—
Goulburn	334.0	384.3	32 305.0	84.1	10.3	20.1	1 082.4	54.0
Ovens-Murray	70.7	145.5	8 220.0	56.5	0.1	5.8	110.0	19.1
East Gippsland	6.6	2.2	23.5	10.8	1.2	0.1	28.8	221.2
Gippsland	63.6	52.6	4 677.8	88.9	0.7	0.3	12.8	47.9
Victoria								
1996	854.7	1 349.7	78 988.0	58.5	26.6	91.6	4 829.4	52.7
1995	668.0	1 286.0	98 971.4	77.0	24.0	67.3	6 088.0	90.4
1994	654.8	1 367.8	94 656.8	69.2	17.0	71.8	5 912.5	82.4

MANDARINS

NASHI

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Melbourne	—	—	—	—	1.4	4.6	163.7	35.3
Barwon	—	—	—	—	—	—	0.4	—
Western District	—	—	—	—	—	0.2	0.4	2.7
Central Highlands	—	—	—	—	0.8	5.2	199.0	38.5
Wimmera	—	—	—	—	—	—	1.0	102.0
Mallee	39.5	104.7	4 920.3	47.0	0.1	0.2	—	—
Loddon	—	—	—	—	—	—	0.2	—
Goulburn	—	0.5	42.8	94.5	5.3	404.3	5 606.5	13.9
Ovens-Murray	—	0.1	—	—	5.0	10.5	36.5	3.5
East Gippsland	—	—	0.1	20.0	—	—	—	—
Gippsland	—	—	—	—	—	3.6	27.8	7.8
Victoria								
1996	39.5	105.2	4 963.2	47.2	12.7	428.5	6 035.5	14.1
1995	44.7	86.6	3 830.0	44.2	21.5	400.5	5 910.0	14.8
1994	44.3	76.8	4 643.0	60.4	31.2	385.3	4 800.3	12.5

(a) For footnote see end of table.

Statistical division	ORANGES				PEARS (EXCLUDING NASHI).....			
	Trees under 6 years '000	Trees 6 years and over '000	Production tonnes	Yield kg/tree	Trees under 6 years '000	Trees 6 years and over '000	Production tonnes	Yield kg/tree
Melbourne	0.1	—	—	—	7.0	34.6	3 158.8	91.3
Barwon	—	—	—	—	—	0.1	2.6	42.4
Western District	—	—	—	—	—	0.2	6.2	41.3
Central Highlands	—	—	—	—	2.0	3.9	530.9	136.5
Wimmera	—	—	—	—	—	0.3	13.4	47.4
Mallee	216.3	1 016.9	67 489.1	66.4	—	—	—	—
Loddon	—	—	—	—	1.1	11.3	630.5	55.8
Goulburn	21.9	82.9	4 625.4	55.8	52.9	1 026.9	130 527.0	127.1
Ovens-Murray	—	9.8	243.3	24.8	0.1	1.6	34.7	22.2
East Gippsland	—	—	0.1	9.0	—	0.1	1.9	37.5
Gippsland	—	—	—	—	—	2.6	283.2	110.1
Victoria								
1996	238.3	1 109.6	72 357.9	65.2	63.2	1 081.4	135 189.3	125.0
1995	241.4	1 092.7	84 253.4	77.1	89.5	1 029.1	132 785.9	129.0
1994	286.8	1 112.0	92 369.3	83.1	107.2	1 073.7	134 167.1	125.0

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

APRICOTS

CHERRIES

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree	000	'000	tonnes	kg/tree
Melbourne	0.5	0.7	6.1	9.0	26.4	50.7	1 098.2	21.7
Barwon	—	—	1.4	30.7	—	—	—	—
Western District	—	—	—	—	—	0.2	3.0	20.0
Central Highlands	2.2	3.6	114.4	31.5	1.8	0.4	7.6	20.1
Wimmera	0.2	0.5	1.4	3.1	0.4	—	—	—
Mallee	24.8	41.6	1 043.1	25.1	1.7	1.3	26.0	19.3
Loddon	0.1	0.9	8.7	9.9	1.2	2.7	16.6	6.2
Goulburn	46.1	149.7	5 839.8	39.0	56.1	44.8	760.7	17.0
Ovens-Murray	0.2	1.0	7.5	7.2	13.9	28.3	396.2	14.0
East Gippsland	0.1	—	0.9	156.0	0.1	—	0.6	157.5
Gippsland	—	0.1	3.1	21.8	0.1	1.4	44.0	32.0
Victoria								
1996	74.2	198.2	7 026.3	35.5	101.7	129.7	2 352.9	18.1
1995	71.1	195.2	10 648.7	54.5	89.5	126.0	2 390.7	19.0
1994	101.6	197.0	5 976.3	30.3	109.9	125.8	1 943.1	15.4

NECTARINES

PEACHES

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Melbourne	22.6	18.2	544.8	30.0	49.7	52.4	1 755.2	33.5
Barwon	—	—	0.8	28.3	—	0.6	17.7	31.6
Western District	—	0.1	2.5	24.8	—	—	—	—
Central Highlands	2.7	2.7	94.8	35.6	4.9	2.7	109.8	41.4
Wimmera	0.6	0.9	4.2	4.8	0.5	1.2	13.5	11.3
Mallee	142.0	151.8	4 365.8	28.8	85.9	77.6	2 698.1	34.8
Loddon	0.5	0.8	12.2	14.8	0.4	1.4	12.6	8.8
Goulburn	82.5	36.9	1 736.6	47.1	375.4	404.1	31 437.9	77.8
Ovens-Murray	4.2	1.6	58.6	36.1	8.4	7.1	190.1	27.0
East Gippsland	0.4	0.3	10.4	33.5	1.0	1.2	52.5	43.5
Gippsland	0.6	2.6	88.7	34.6	0.4	2.5	66.0	26.7
Victoria								
1996	256.0	215.9	6 919.3	32.1	526.7	550.5	36 353.2	66.0
1995	228.8	177.0	6 174.5	34.9	532.2	524.7	34 354.4	65.5
1994	193.0	143.4	6 126.1	42.7	538.5	547.2	33 875.4	61.9

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

PLUMS AND PRUNES

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree
Melbourne	3.5	5.5	128.4	23.2
Barwon	—	0.1	0.8	16.2
Western District	—	—	—	—
Central Highlands	0.7	1.0	21.6	22.4
Wimmera	0.2	0.4	8.8	20.9
Mallee	64.9	67.2	1 336.8	19.9
Loddon	0.5	0.3	15.2	44.8
Goulburn	82.2	73.7	2 214.0	30.0
Ovens-Murray	0.2	1.1	9.2	8.3
East Gippsland	0.1	—	0.2	20.6
Gippsland	0.1	1.6	20.7	13.3
Victoria				
1996	152.3	151.0	3 755.7	24.9
1995	120.9	163.3	4 311.9	26.4
1994	123.1	138.4	4 500.5	32.5

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

ALMONDS

AVOCADOS

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Melbourne	0.2	—	0.1	—	0.4	0.1	1.6	12.5
Barwon	—	1.9	27.0	14.5	—	—	—	—
Western District	—	—	0.2	5.2	—	—	—	—
Central Highlands	—	—	—	—	—	—	—	—
Wimmera	—	3.6	9.4	2.6	—	—	—	—
Mallee	14.2	392.4	2 861.9	7.3	23.0	28.2	990.1	35.2
Loddon	1.4	0.7	5.5	7.8	—	—	—	—
Goulburn	0.2	0.4	1.2	3.2	—	—	—	—
Ovens-Murray	0.5	0.8	1.6	2.1	—	—	—	—
East Gippsland	—	—	0.1	5.2	0.1	0.1	1.1	14.3
Gippsland	—	—	—	—	—	—	—	—
Victoria								
1996	16.5	399.8	2 907.0	7.3	23.5	28.4	992.9	35.0
1995	10.1	406.1	2 804.9	6.9	12.1	26.0	754.7	29.1
1994	21.7	396.5	2 898.0	7.3	7.4	29.9	936.3	31.3

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

KIWIFRUIT.....

Statistical division	Area not yet bearing	Area of bearing age	Production	Yield
	ha	ha	tonnes	t/ha
Melbourne	—	18.0	245.2	13.6
Barwon	—	0.2	0.1	0.5
Western District	—	—	—	—
Central Highlands	—	1.0	—	—
Wimmera	—	—	—	—
Mallee	—	—	—	—
Loddon	—	—	—	—
Goulburn	1.1	100.6	1 224.5	12.2
Ovens-Murray	—	29.8	472.0	15.8
East Gippsland	—	8.5	113.5	13.4
Gippsland	—	2.2	7.5	3.4
Victoria				
1996	1.1	160.3	2 062.8	12.9
1995	18.1	284.1	2 731.3	9.6
1994	10.7	274.1	2 592.9	9.5

RASPBERRIES

Statistical division	Area not yet bearing	Area of bearing age	Production	Yield
	ha	ha	tonnes	t/ha
Melbourne	3.8	37.8	78.4	2.1
Barwon	—	0.5	0.1	0.2
Western District	—	—	—	—
Central Highlands	—	1.4	2.1	1.5
Wimmera	—	—	—	—
Mallee	—	—	—	—
Loddon	—	2.7	9.1	3.4
Goulburn	3.0	9.8	27.6	2.8
Ovens-Murray	1.7	4.9	30.4	6.2
East Gippsland	2.0	5.9	14.9	2.5
Gippsland	4.0	26.6	57.1	2.1
Victoria				
1996	14.5	89.6	219.7	2.5
1995	33.8	87.2	224.1	2.6
1994	13.9	101.8	266.3	2.6

STRAWBERRIES.....

Statistical division	Area not yet bearing	Area of bearing age	Production	Yield
	ha	ha	tonnes	t/ha
Melbourne	46.1	175.3	2 762.6	15.8
Barwon	0.6	1.8	30.0	16.7
Western District	—	2.2	26.5	12.0
Central Highlands	—	0.5	1.9	3.8
Wimmera	—	—	—	—
Mallee	—	0.8	10.3	12.9
Loddon	—	—	—	—
Goulburn	8.3	12.6	281.2	22.3
Ovens-Murray	—	7.4	61.8	8.4
East Gippsland	—	2.1	26.2	12.5
Gippsland	1.0	6.6	78.6	11.9
Victoria				
1996	56.0	209.3	3 279.2	15.7
1995	56.4	208.5	2 921.1	14.0
1994	82.3	247.5	3 144.6	12.7

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GROSS VALUE OF CITRUS, POME AND OTHER FRUIT, Years ended 31 March

	1994	1995r	1996p
	\$m	\$m	\$m
Apples	91.3	97.6	100.3
Apricots	5.0	5.6	4.7
Avocados	2.0	2.3	2.6
Cherries	7.8	8.8	9.7
Grapes	175.6	144.5	202.9
Lemons and limes	3.7	4.0	3.7
Mandarins	8.0	5.4	6.5
Nectarines	11.3	11.2	11.8
Oranges	51.0	42.7	44.3
Peaches	24.7	23.3	24.9
Pears	74.2	59.3	68.3
Plums and prunes	6.4	4.7	5.3
Strawberries	11.8	12.6	12.1
Other, including nuts	46.1	47.5	50.8
Total	520.1	469.5	547.9

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GRAPES, Year ended 31 March 1996

AREA OF VINES AT HARVEST.....

Not yet bearing (planted or grafted)

GRAPE PRODUCTION

Statistical division	Planted or grafted prior to collection year	During collection year	Bearing	Winemaking	Drying	Table and other	Total
	ha	ha	ha	tonnes	tonnes	tonnes	tonnes
Melbourne	134.9	163.7	761.1	5 763.5	910.2	—	6 673.7
Barwon	12.2	24.4	151.1	730.2	119.6	75.0	924.8
Western District	4.7	6.9	86.4	230.5	133.4	—	363.9
Central Highlands	60.9	110.3	338.8	1 840.9	—	30.2	1 871.1
Wimmera	3.5	26.8	158.2	747.4	—	34.5	781.9
Mallee	930.7	953.3	16 162.3	168 015.9	191 559.8	33 822.3	393 398.0
Loddon	47.0	20.1	221.9	1 110.8	—	61.0	1 171.8
Goulburn	153.9	61.1	883.7	8 276.5	305.0	272.4	8 853.9
Ovens-Murray	142.9	385.8	934.7	11 899.0	—	226.0	12 125.0
East Gippsland	3.9	2.0	35.6	71.9	—	—	71.9
Gippsland	11.3	6.7	87.0	454.3	—	0.2	454.5
Victoria							
1996	1 505.9	1 761.1	19 820.8	199 140.9	193 028.0	34 521.6	426 690.5
1995	1 093.8	1 509.0	18 988.6	137 613.1	112 981.3	26 840.4	277 434.8
1994	732.3	778.8	19 535.4	167 082.9	164 058.2	28 091.6	359 232.7

	Units	1994	1995	1996
Asparagus(a)				
area	ha	1 175.1	1 174.1	1 116.4
production	t	4 618.5	3 112.8	3 921.2
Beans French and runner				
area	ha	504.0	654.7	671.5
production	t	2 187.6	2 574.9	2 219.7
yield	t/ha	4.3	3.9	3.3
Beetroot				
area	ha	72.1	74.5	66.3
production	t	803.2	879.1	824.4
yield	t/ha	11.1	11.8	12.4
Broccoli				
area	ha	2 954.6	2 922.7	3 304.2
production	t	15 701.2	14 582.7	17 349.1
yield	t/ha	5.3	5.0	5.3
Brussels sprouts				
area	ha	142.0	114.8	121.1
production	t	2 194.6	2 183.7	3 015.7
yield	t/ha	15.5	19.0	24.9
Cabbages				
area	ha	725.6	749.9	863.9
production	t	26 547.5	27 875.2	30 603.0
yield	t/ha	36.6	37.2	35.4
Capsicum, chillies and peppers				
area	ha	195.6	204.7	211.4
production	t	2 678.7	3 106.3	3 233.0
yield	t/ha	13.7	15.2	15.3
Carrots				
area	ha	1 937.8	2 252.9	2 736.4
production	t	66 459.8	74 637.1	91 122.5
yield	t/ha	34.3	33.1	33.3
Cauliflowers				
area	ha	1 280.3	1 264.2	1 249.2
production	t	28 573.1	19 637.7	20 780.1
yield	t/ha	22.3	15.5	16.6
Celery				
area	ha	413.8	380.0	456.5
production	t	16 931.3	17 257.0	21 064.5
yield	t/ha	40.9	45.4	46.1
Chinese cabbages				
area	ha	127.5	91.5	90.4
production	t	1 885.0	1 249.1	1 233.6
yield	t/ha	14.8	13.7	13.6
Cucumbers				
area	ha	28.6	40.3	33.5
production	t	577.1	1 124.4	688.9
yield	t/ha	20.2	27.9	20.6
Green peas (pod weight)				
area	ha	281.3	292.8	180.7
production	t	891.1	698.8	406.8
yield	t/ha	3.2	2.4	2.3
Leeks				
area	ha	144.1	122.2	112.3
production	t	2 152.3	1 704.0	2 228.5
yield	t/ha	14.9	13.9	19.8
Lettuces				
area	ha	1 632.4	1 638.5	2 071.2
production	t	35 040.7	34 155.0	45 785.4
yield	t/ha	21.5	20.8	22.1
Marrows and squashes				
area	ha	24.1	19.7	31.2
production	t	97.9	115.4	168.0
yield	t/ha	4.1	5.9	5.4

(a) Asparagus is a perennial crop and as such yield cannot be calculated meaningfully.

	Units	1994	1995	1996
Melons — rock and cantaloupe				
area	ha	254.6	256.1	240.3
production	t	5 175.9	6 060.5	5 310.2
yield	t/ha	20.3	23.7	22.1
Melons — water				
area	ha	39.8	30.2	35.4
production	t	556.8	504.9	786.4
yield	t/ha	14.0	16.7	22.2
Mushrooms				
area	ha	61.7	69.7	70.4
production	t	21 497.8	13 545.0	13 834.4
yield	t/ha	348.4	194.3	196.5
Onions — white and brown				
area	ha	544.6	511.5	545.0
production	t	16 199.9	15 427.1	17 604.3
yield	t/ha	29.7	30.2	32.3
Parsley				
area	ha	89.3	78.2	76.6
production	t	480.5	464.7	409.7
yield	t/ha	5.4	5.9	5.3
Parsnips				
area	ha	196.7	237.8	283.8
production	t	3 387.7	3 843.2	6 708.0
yield	t/ha	17.2	16.2	23.6
Potatoes				
area	ha	12 004.5	10 135.3	11 456.5
production	t	322 147.1	279 876.1	335 648.8
yield	t/ha	26.8	27.6	29.3
Pumpkins				
area	ha	379.1	393.7	374.4
production	t	5 975.2	6 271.1	5 772.3
yield	t/ha	15.8	15.9	15.4
Spring onions				
area	ha	181.4	199.0	198.4
production	t	1 000.0	768.9	680.1
yield	t/ha	5.5	3.9	3.4
Swedes				
area	ha	10.2	18.6	25.8
production	t	175.0	348.0	288.5
yield	t/ha	17.2	18.7	11.2
Sweet corn				
area	ha	550.6	600.1	711.4
production	t	5 334.6	7 391.8	7 348.8
yield	t/ha	9.7	12.3	10.3
Tomatoes				
area	ha	2 740.3	2 811.7	2 990.5
production	t	120 395.7	139 540.9	171 805.1
yield	t/ha	43.9	49.6	57.5
Zucchini				
area	ha	110.3	117.8	139.0
production	t	745.9	666.5	1 068.2
yield	t/ha	6.8	5.7	7.7

	Units	Melbourne	Barwon	Western District	Central Highlands	Wimmera	Mallee
Asparagus(a)							
area	ha	792.4	—	—	—	—	173.4
production	t	2 996.5	—	—	—	—	472.4
Beans French and runner							
area	ha	19.9	0.1	—	21.0	—	23.2
production	t	70.5	0.1	—	3.4	—	125.3
yield	t/ha	3.5	1.0	—	0.2	—	5.4
Beetroot							
area	ha	64.2	—	—	—	—	0.1
production	t	807.2	—	—	—	—	1.2
yield	t/ha	12.6	—	—	—	—	12.0
Broccoli							
area	ha	1 512.8	109.0	55.8	18.5	—	295.8
production	t	8 859.4	500.0	206.1	73.0	—	2 616.4
yield	t/ha	5.9	4.6	3.7	3.9	—	8.8
Brussels sprouts							
area	ha	116.8	4.0	—	—	—	—
production	t	2 941.5	74.2	—	—	—	—
yield	t/ha	25.2	18.6	—	—	—	—
Cabbages							
area	ha	430.4	17.3	—	43.0	—	23.5
production	t	14 822.2	519.5	—	2 047.0	—	293.8
yield	t/ha	34.4	30.0	—	47.6	—	12.5
Capsicum, chillies and peppers							
area	ha	24.5	—	—	—	—	30.5
production	t	219.7	—	—	—	—	438.8
yield	t/ha	9.0	—	—	—	—	14.4
Carrots							
area	ha	632.9	0.4	60.3	100.5	0.2	1 249.2
production	t	19 582.0	11.5	2 774.0	4 780.7	3.3	45 436.6
yield	t/ha	30.9	28.8	46.0	47.6	16.5	36.4
Cauliflowers							
area	ha	959.2	25.0	—	2.0	—	55.1
production	t	15 969.1	240.0	—	24.0	—	1 561.0
yield	t/ha	16.6	9.6	—	12.0	—	28.3
Celery							
area	ha	455.0	1.1	—	0.2	—	—
production	t	21 031.0	26.7	—	0.6	—	—
yield	t/ha	46.2	24.3	—	3.0	—	—
Chinese cabbages							
area	ha	49.0	—	—	0.3	—	6.5
production	t	482.8	—	—	—	—	77.3
yield	t/ha	9.9	—	—	—	—	11.9
Cucumber							
area	ha	7.7	—	—	—	—	5.4
production	t	71.2	—	—	—	—	44.3
yield	t/ha	9.2	—	—	—	—	8.2
Green peas (pod weight)							
area	ha	11.5	57.6	0.2	13.0	—	9.7
production	t	16.9	118.9	0.1	85.8	—	8.9
yield	t/ha	1.5	2.1	0.5	6.6	—	0.9
Leeks							
area	ha	105.0	—	—	—	—	—
production	t	2 124.1	—	—	—	—	—
yield	t/ha	20.2	—	—	—	—	—
Lettuces							
area	ha	1 613.7	38.5	—	62.5	—	157.0
production	t	33 030.9	587.0	—	1 715.0	—	6 599.1
yield	t/ha	20.5	15.2	—	27.4	—	42.0
Marrows and squashes							
area	ha	4.1	—	—	—	—	10.1
production	t	19.4	—	—	—	—	47.1
yield	t/ha	4.7	—	—	—	—	4.7

(a) Asparagus is a perennial crop and as such yield cannot be calculated meaningfully.

	Units	Loddon	Goulburn	Ovens-Murray	East Gippsland	Gippsland
Asparagus(a)						
area	ha	—	8.4	17.0	92.9	32.3
production	t	—	22.7	6.0	383.6	40.0
Beans — French and runner						
area	ha	—	2.8	—	591.3	13.2
production	t	—	18.1	—	1 961.3	41.0
yield	t/ha	—	6.5	—	3.3	3.1
Beetroot						
area	ha	—	2.0	—	—	—
production	t	—	16.0	—	—	—
yield	t/ha	—	8.0	—	—	—
Broccoli						
area	ha	—	6.5	2.0	1 271.8	32.0
production	t	—	15.5	5.4	5 017.2	56.1
yield	t/ha	—	2.4	2.7	3.9	1.8
Brussels sprouts						
area	ha	—	—	—	0.3	—
production	t	—	—	—	—	—
yield	t/ha	—	—	—	—	—
Cabbages						
area	ha	3.5	50.1	9.6	242.0	44.5
production	t	200.0	1 252.0	145.5	8 776.0	2 547.0
yield	t/ha	57.1	25.0	15.2	36.3	57.2
Capsicum, chillies and peppers						
area	ha	0.1	49.4	13.3	82.9	10.7
production	t	1.1	724.9	252.9	1 501.5	94.1
yield	t/ha	11.0	14.7	19.0	18.1	8.8
Carrots						
area	ha	—	114.1	—	235.2	343.6
production	t	—	3 196.2	—	6 752.6	8 585.6
yield	t/ha	—	28.0	—	28.7	25.0
Cauliflowers						
area	ha	7.0	0.1	10.5	162.3	28.0
production	t	300.0	1.2	108.0	2 244.8	332.0
yield	t/ha	42.9	12.0	10.3	13.8	11.9
Celery						
area	ha	—	—	—	—	0.2
production	t	—	—	—	—	6.2
yield	t/ha	—	—	—	—	31.0
Chinese cabbages						
area	ha	—	3.0	—	7.0	24.6
production	t	—	34.5	—	120.0	519.0
yield	t/ha	—	11.5	—	17.1	21.1
Cucumber						
area	ha	—	—	—	20.3	0.1
production	t	—	—	—	572.0	1.4
yield	t/ha	—	—	—	28.2	14.0
Green peas (pod weight)						
area	ha	—	3.2	—	30.1	55.4
production	t	—	17.6	—	74.4	84.2
yield	t/ha	—	5.5	—	2.5	1.5
Leeks						
area	ha	—	3.2	0.5	2.0	1.6
production	t	—	1.8	1.0	80.0	21.6
yield	t/ha	—	0.6	2.0	40.0	13.5
Lettuces						
area	ha	3.0	50.1	—	133.6	12.8
production	t	100.0	1 266.0	—	2 205.8	281.6
yield	t/ha	33.3	25.3	—	16.5	22.0
Marrow and squashes						
area	ha	—	16.5	—	0.5	—
production	t	—	100.0	—	1.5	—
yield	t/ha	—	6.1	—	3.0	—

(a) Asparagus is a perennial crop and as such yield cannot be calculated meaningfully.

	Units	Melbourne	Barwon	Western District	Central Highlands	Wimmera	Mallee
Melons — rock and cantaloupe							
area	ha	—	—	—	—	—	239.3
production	t	—	—	—	—	—	5 307.7
yield	t/ha	—	—	—	—	—	22.2
Melons water							
area	ha	—	—	—	—	—	35.4
production	t	—	—	—	—	—	786.4
yield	t/ha	—	—	—	—	—	22.2
Mushrooms							
area	ha	65.4	0.2	—	—	—	4.0
production	t	12 719.2	80.0	—	—	—	780.0
yield	t/ha	194.5	400.0	—	—	—	195.0
Onions — white and brown							
area	ha	177.3	27.0	63.9	105.3	0.6	26.3
production	t	7 141.0	890.0	1 560.0	2 706.0	8.5	451.8
yield	t/ha	40.3	33.0	24.4	25.7	14.2	17.2
Parsley							
area	ha	74.2	—	—	—	—	—
production	t	401.0	—	—	—	—	—
yield	t/ha	5.4	—	—	—	—	—
Parsnips							
area	ha	283.8	—	—	—	—	—
production	t	6 708.0	—	—	—	—	—
yield	t/ha	23.6	—	—	—	—	—
Potatoes							
area	ha	2 251.5	1 300.7	616.2	2 602.2	30.0	325.0
production	t	61 147.9	26 426.0	16 581.5	97 738.3	1 100.0	5 280.0
yield	t/ha	27.2	20.3	26.9	37.6	36.7	16.2
Pumpkins							
area	ha	100.5	8.2	—	18.7	0.2	188.2
production	t	1 782.1	84.4	—	203.0	1.0	3 064.4
yield	t/ha	17.7	10.3	—	10.9	5.0	16.3
Spring onions							
area	ha	193.2	—	—	—	—	—
production	t	666.7	—	—	—	—	—
yield	t/ha	3.5	—	—	—	—	—
Swedes							
area	ha	16.2	—	—	—	—	—
production	t	173.5	—	—	—	—	—
yield	t/ha	10.7	—	—	—	—	—
Sweet corn							
area	ha	171.4	0.8	—	3.3	—	93.0
production	t	1 408.6	5.0	—	37.9	—	988.0
yield	t/ha	8.2	6.3	—	11.5	—	10.6
Tomatoes							
area	ha	12.1	3.5	—	2.0	0.9	60.0
production	t	338.7	114.5	—	5.0	11.2	1 826.3
yield	t/ha	28.0	32.7	—	2.5	12.4	30.4
Zucchini							
area	ha	38.6	5.4	0.4	2.0	—	59.9
production	t	283.5	53.1	7.0	3.9	—	409.5
yield	t/ha	7.3	9.8	17.5	2.0	—	6.8

	Units	Loddon	Goulburn	Ovens-Murray	East Gippsland	Gippsland
Melons — rock and cantaloupe						
area	ha	—	—	1.0	—	—
production	t	—	—	2.5	—	—
yield	t/ha	—	—	2.5	—	—
Melons — water						
area	ha	—	—	—	—	—
production	t	—	—	—	—	—
yield	t/ha	—	—	—	—	—
Mushrooms						
area	ha	0.1	0.6	0.1	—	—
production	t	106.4	125.0	23.8	—	—
yield	t/ha	1 064.0	208.3	238.0	—	—
Onions — white and brown						
area	ha	2.5	50.1	—	1.0	91.0
production	t	80.0	1 502.0	—	20.0	3 245.0
yield	t/ha	32.0	30.0	—	20.0	35.7
Parsley						
area	ha	—	0.5	—	0.3	1.6
production	t	—	—	—	0.1	8.6
yield	t/ha	—	—	—	0.3	5.4
Parsnips						
area	ha	—	—	—	—	—
production	t	—	—	—	—	—
yield	t/ha	—	—	—	—	—
Potatoes						
area	ha	63.8	604.8	10.1	160.7	3 491.5
production	t	1 805.5	15 235.2	185.3	3 859.0	106 290.1
yield	t/ha	28.3	25.2	18.3	24.0	30.4
Pumpkins						
area	ha	1.8	11.8	22.0	11.0	12.0
production	t	20.8	118.6	266.0	34.0	198.0
yield	t/ha	11.6	10.1	12.1	3.1	16.5
Spring onions						
area	ha	—	1.0	—	1.0	3.2
production	t	—	3.1	—	0.3	10.0
yield	t/ha	—	3.1	—	0.3	3.1
Swedes						
area	ha	—	7.0	—	—	2.6
production	t	—	80.0	—	—	35.0
yield	t/ha	—	11.4	—	—	13.5
Sweet corn						
area	ha	—	55.7	6.8	375.4	5.0
production	t	—	260.8	13.1	4 601.8	33.6
yield	t/ha	—	4.7	1.9	12.3	6.7
Tomatoes						
area	ha	559.2	2 351.3	1.2	—	0.3
production	t	39 432.5	130 022.9	52.5	—	1.5
yield	t/ha	70.5	55.3	43.8	—	5.0
Zucchini						
area	ha	0.1	31.0	0.1	1.0	0.5
production	t	3.2	300.9	0.6	0.5	6.0
yield	t/ha	32.0	9.7	6.0	0.5	12.0

	1994	1995 ^r	1996 ^p
	\$m	\$m	\$m
Asparagus	26.4	14.6	13.3
Beans — French and runner	3.4	4.7	4.1
Beetroot	0.6	0.7	0.2
Broccoli	24.9	25.2	26.3
Cabbages and brussels sprouts	10.2	14.5	13.9
Capsicum, chillies and peppers	3.3	4.8	3.2
Carrots	34.4	39.3	48.3
Cauliflowers	12.4	9.6	9.8
Celery	10.6	9.7	10.2
Cucumbers	0.6	1.0	1.0
Green peas (pod weight)	1.0	1.5	0.6
Leeks	6.6	5.1	6.4
Lettuces	16.3	21.3	25.8
Melons — rock and cantaloupe	4.4	4.3	4.1
Melons — water	0.2	0.1	0.2
Mushrooms	94.2	56.7	57.5
Onions — white and brown	8.6	6.1	8.7
Parsley	0.9	0.9	1.1
Parsnips	4.2	4.3	8.1
Potatoes	104.4	105.9	81.2
Pumpkins	1.9	2.5	2.2
Swedes	0.1	0.2	0.3
Sweet corn	5.1	8.0	7.0
Tomatoes	27.3	32.1	24.9
Zucchini	0.9	0.7	0.9
Other vegetables	10.3	11.3	19.0
Total	413.2	385.1	378.3

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AREA OF NURSERIES, CUT FLOWERS AND CULTIVATED TURF, Year ended 31 March 1996

Statistical division	Nurseries	Cut flowers	Cultivated turf	Total
	ha	ha	ha	ha
Melbourne	868.9	689.6	139.0	1 697.5
Barwon	36.3	209.5	9.3	255.1
Western District	34.3	59.0	—	93.3
Central Highlands	15.1	14.8	15.6	45.5
Wimmera	55.8	455.9	4.0	515.7
Mallee	124.5	14.8	1.0	140.3
Loddon	21.5	13.8	—	35.3
Goulburn	48.8	41.3	136.7	226.8
Ovens-Murray	27.6	9.5	—	37.1
East Gippsland	22.7	85.1	—	107.8
Gippsland	51.4	120.1	—	171.5
Victoria				
1996	1 306.9	1 713.4	305.6	3 325.9
1995	1 153.1	1 911.3	260.7	3 325.1

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AREA OF SHADE AND GLASSHOUSES, Year ended 31 March 1996

Statistical division	NURSERY.....		FLOWERS.....		TOTAL.....	
	Shadehouse	Glasshouse	Shadehouse	Glasshouse	Shadehouse	Glasshouse
	square metres	square metres	square metres	square metres	square metres	square metres
Melbourne	242 706.4	421 387.0	26 157.0	581 334.0	268 863.4	1 002 721.0
Barwon	36 920.0	48 823.0	12 000.0	4 376.0	48 920.0	53 199.0
Western District	712.0	1 087.0	120.0	14 720.0	832.0	15 807.0
Central Highlands	3 050.0	2 962.0	155.0	21 200.0	3 205.0	24 162.0
Wimmera	20.0	300.0	—	—	20.0	300.0
Mallee	33 328.0	2 027.0	—	—	33 328.0	2 027.0
Loddon	2 700.1	6 004.8	6 000.0	2 590.0	8 700.1	8 594.8
Goulburn	5 271.0	2 694.0	—	21 460.0	5 271.0	24 154.0
Ovens-Murray	620.0	127.0	—	2 014.0	620.0	2 141.0
East Gippsland	1 261.0	6 161.0	10 000.0	11 500.0	11 261.0	17 661.0
Gippsland	24 520.0	45 995.0	10 000.0	29 500.0	34 520.0	75 495.0
Victoria	351 108.5	537 567.8	64 432.0	688 694.0	415 540.5	1 226 261.8

<i>Statistical division</i>	<i>Value of plant material purchased</i> \$'000	<i>Sales of greenstock(a)</i> \$'000	<i>Gross receipts from sales(b)</i> \$'000
Melbourne	12 388.0	88 824.0	28 861.1
Barwon	846.2	5 929.2	2 354.8
Western District	205.9	3 131.0	2 300.5
Central Highlands	95.6	584.9	345.2
Wimmera	31.4	343.7	815.0
Mallee	724.0	2 714.1	99.1
Loddon	376.1	1 689.1	102.0
Goulburn	100.3	440.6	636.5
Ovens-Murray	57.2	305.1	82.2
East Gippsland	54.8	818.2	801.9
Gippsland	423.1	5 076.1	17 245.5
Victoria	15 302.0	109 856.0	53 643.9

(a) Sales of greenstock from nursery activity (excludes sales of cut flowers and cultivated turf).

(b) Gross receipts from sales of cut flowers only.

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MEAT CATTLE NUMBERS, At 31 march 1996

<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	%
Melbourne	4.0	74.6	42.3	39.9	160.8	5.9
Barwon	3.6	67.8	37.4	27.1	135.9	5.0
Western District	16.6	305.3	151.4	116.9	590.3	21.7
Central Highlands	2.8	57.7	33.1	24.6	118.2	4.4
Wimmera	1.7	27.9	17.3	10.0	56.9	2.1
Mallee	2.0	36.1	29.1	33.2	100.5	3.7
Loddon	2.8	53.4	31.8	20.7	108.7	4.0
Goulburn	12.0	197.1	126.9	88.0	424.0	15.6
Ovens-Murray	7.4	151.4	87.5	70.6	317.0	11.7
East Gippsland	8.6	168.0	98.5	49.9	325.0	12.0
Gippsland	8.1	147.8	93.8	127.2	376.9	13.9
Victoria						
1996	69.7	1 287.2	749.0	608.1	2 714.1	100.0
1995	72.3	1 230.7	761.1	598.9	2 663.0	100.0
1994	68.2	1 324.5	711.0	500.3	2 604.0	100.0

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ESTABLISHMENTS WITH MEAT CATTLE, At 31 March 1996

<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 establishments</i>
	no.	no.	no.	no.	no.	%
Melbourne	842	1 039	954	839	1 338	6.6
Barwon	808	930	852	671	1 156	5.7
Western District	2 529	2 770	2 470	2 227	3 353	16.6
Central Highlands	736	916	806	679	1 064	5.3
Wimmera	478	577	546	363	677	3.4
Mallee	674	759	772	627	990	4.9
Loddon	838	990	914	691	1 165	5.8
Goulburn	2 629	2 903	2 786	2 282	3 834	19.0
Ovens-Murray	1 460	1 622	1 474	1 326	1 943	9.6
East Gippsland	1 548	1 660	1 589	1 250	1 974	9.8
Gippsland	1 788	1 941	1 895	1 915	2 657	13.2
Victoria						
1996	14 330	16 107	15 058	12 870	20 151	100.0
1995	14 892	16 166	15 773	12 470	20 642	100.0
1994	15 212	15 848	14 998	10 260	20 445	100.0

Herd size	1995		1996	
	<i>Establishments</i>	<i>Percentage of meat cattle establishments</i>	<i>Establishments</i>	<i>Percentage of meat cattle establishments</i>
	no.	%	no.	%
1-29	5 142	24.9	4 492	22.3
30-49	2 935	14.2	2 909	14.4
50-69	2 390	11.6	2 312	11.5
70-99	2 444	11.8	2 492	12.4
100-149	2 607	12.6	2 614	13.0
150-199	1 490	7.2	1 544	7.7
200-299	1 632	7.9	1 738	8.6
300-399	783	3.8	779	3.9
400-499	431	2.1	439	2.2
500-699	404	2.0	445	2.2
700-999	233	1.1	225	1.1
1,000-1,499	99	0.5	111	0.6
1,500-1,999	24	0.1	23	0.1
2,000-4,999	22	0.1	24	0.1
5,000-9,999	3	—	1	—
10,000 and over	3	—	3	—
Total	20 642	100.0	20 151	100.0

Herd size	1995		1996	
	<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	68.4	2.6	65.0	2.4
30-49	114.2	4.3	112.6	4.1
50-69	140.2	5.3	135.4	5.0
70-99	203.2	7.6	206.8	7.6
100-149	315.8	11.9	317.0	11.7
150-199	256.2	9.6	264.7	9.8
200-299	393.1	14.8	418.7	15.4
300-399	267.7	10.1	267.4	9.9
400-499	191.3	7.2	194.6	7.2
500-699	234.8	8.8	258.1	9.5
700-999	192.5	7.2	186.9	6.9
1,000-1,499	118.8	4.5	135.3	5.0
1,500-1,999	40.9	1.5	40.0	1.5
2,000-4,999	61.3	2.3	62.6	2.3
5,000-9,999	17.1	0.6	5.2	0.2
10,000 and over	47.3	1.8	43.8	1.6
Total	2 663.0	100.0	2 714.1	100.0

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MILK CATTLE NUMBERS, At 31 March 1996

Statistical division	Cows in milk and dry	Other milk cattle	Total milk cattle(a)	Percentage of total milk cattle herd
	'000	'000	'000	%
Melbourne	27.7	14.8	42.5	2.5
Barwon	80.9	36.2	117.2	7.0
Western District	262.8	109.6	372.4	22.1
Central Highlands	5.4	3.2	8.6	0.5
Wimmera	1.3	1.2	2.5	0.1
Mallee	64.1	29.3	93.4	5.6
Loddon	19.0	11.6	30.6	1.8
Goulburn	307.3	136.3	443.6	26.4
Ovens-Murray	42.3	19.8	62.2	3.7
East Gippsland	120.4	51.2	171.5	10.2
Gippsland	229.8	107.6	337.4	20.1
Victoria				
1996	1 160.8	520.9	1 681.8	100.0
1995	1 113.1	508.6	1 621.7	100.0
1994	1 084.9	499.8	1 584.7	100.0

(a) Excludes house cows and heifers.

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ESTABLISHMENTS WITH MILK CATTLE, At 31 March 1996(a)

Statistical division	Cows in milk and dry	Other milk cattle	Total establishments with milk cattle	Percentage of milk cattle establishments
	no.	no.	no.	%
Melbourne	235	237	268	3.2
Barwon	532	514	570	6.7
Western District	1 573	1 505	1 677	19.8
Central Highlands	66	58	76	0.9
Wimmera	34	38	55	0.6
Mallee	428	412	468	5.5
Loddon	145	148	173	2.0
Goulburn	2 115	2 097	2 331	27.5
Ovens-Murray	348	342	387	4.6
East Gippsland	724	702	784	9.3
Gippsland	1 570	1 548	1 682	19.9
Victoria				
1996	7 770	7 601	8 471	100.0
1995	7 752	7 621	8 367	100.0
1994	7 917	8 359	8 751	100.0

(a) Excludes establishments with house cows and heifers only.

Herd size	1995		1996	
	Establishments	Percentage of milk cattle establishments	Establishments	Percentage of milk cattle establishments
	no.	%	no.	%
1-49	750	9.0	820	9.7
50-99	1 048	12.5	1 008	11.9
100-149	1 693	20.2	1 585	18.7
150-199	1 697	20.3	1 668	19.7
200-249	1 160	13.9	1 215	14.3
250-299	723	8.6	716	8.5
300-349	457	5.5	528	6.2
350-399	248	3.0	268	3.2
400-499	292	3.5	343	4.0
500 and over	299	3.6	320	3.8
Total	8 367	100.0	8 471	100.0

Herd size	1995		1996	
	Number of milk cattle	Percentage of total milk cattle	Number of milk cattle	Percentage of total milk cattle
	'000	%	'000	%
1-49	18.6	1.1	18.7	1.1
50-99	78.7	4.9	76.7	4.6
100-149	211.5	13.0	197.1	11.7
150-199	292.8	18.1	287.6	17.1
200-249	256.9	15.8	269.4	16.0
250-299	195.4	12.0	194.0	11.5
300-349	145.6	9.0	168.7	10.0
350-399	91.6	5.6	99.1	5.9
400-499	128.7	7.9	150.2	8.9
500 and over	201.8	12.4	220.4	13.1
Total	1 621.7	100.0	1 681.8	100.0

(a) Excludes establishments with house cows and heifers only.

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NUMBER OF SHEEP AND LAMBS, At 31 March 1996

<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	%
Melbourne	70.0	25.4	50.8	146.3	0.7
Barwon	642.7	342.6	530.1	1 515.4	6.9
Western District	2 938.3	1 490.4	2 110.4	6 539.2	29.8
Central Highlands	1 199.4	699.1	1 317.1	3 215.7	14.6
Wimmera	1 479.0	772.3	1 215.4	3 466.7	15.8
Mallee	679.0	312.0	261.4	1 252.4	5.7
Loddon	934.8	441.3	579.2	1 955.3	8.9
Goulburn	1 085.4	418.9	745.7	2 250.0	10.2
Ovens-Murray	185.5	67.2	118.4	371.1	1.7
East Gippsland	416.2	210.8	382.3	1 009.3	4.6
Gippsland	158.1	56.2	38.3	252.5	1.1
Victoria					
1996	9 788.5	4 836.1	7 349.2	21 973.8	100.0
1995	n.c.	4 705.6	n.c.	21 360.8	100.0
1994	n.c.	5 131.3	n.c.	23 438.7	100.0

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ESTABLISHMENTS WITH SHEEP AND LAMBS, At 31 March 1996

<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 and lamb establishments</i>
	no.	no.	no.	no.	%
Melbourne	201	148	221	251	1.7
Barwon	771	683	810	880	6.1
Western District	2 450	2 225	2 493	2 634	18.1
Central Highlands	1 273	1 181	1 354	1 473	10.1
Wimmera	2 061	1 814	2 276	2 495	17.2
Mallee	1 189	1 057	1 189	1 389	9.6
Loddon	1 321	1 146	1 413	1 525	10.5
Goulburn	1 838	1 502	1 951	2 126	14.6
Ovens-Murray	483	397	501	556	3.8
East Gippsland	642	566	693	731	5.0
Gippsland	405	288	408	454	3.1
Victoria					
1996	12 634	11 007	13 309	14 514	100.0
1995	n.c.	10 900	n.c.	14 442	100.0
1994	n.c.	11 744	n.c.	15 298	100.0

Flock size	1995		1996	
	<i>Establishments</i>	<i>Percentage of sheep and lamb establishments</i>	<i>Establishments</i>	<i>Percentage of sheep and lamb establishments</i>
	no.	%	no.	%
1-499	5 115	35.4	4 745	32.7
500-999	2 918	20.2	3 104	21.4
1 000-1 499	1 772	12.3	1 964	13.5
1 500-1 999	1 214	8.4	1 274	8.8
2 000-2 499	854	5.9	884	6.1
2 500-2 999	634	4.4	593	4.1
3 000-3 999	814	5.6	789	5.4
4 000-4 999	400	2.8	410	2.8
5 000-5 999	244	1.7	257	1.8
6 000-6 999	140	1.0	149	1.0
7 000-7 999	91	0.6	75	0.5
8 000-8 999	66	0.5	78	0.5
9 000-9 999	37	0.3	38	0.3
10 000 and over	143	1.0	154	1.1
Total	14 442	100.0	14 514	100.0

Flock size	1995		1996	
	<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	1 113.8	5.2	1 067.8	4.9
500-999	2 096.0	9.8	2 241.6	10.2
1 000-1 499	2 153.3	10.1	2 394.1	10.9
1 500-1 999	2 076.6	9.7	2 189.3	10.0
2 000-2 499	1 885.7	8.8	1 964.4	8.9
2 500-2 999	1 722.3	8.1	1 613.2	7.3
3 000-3 999	2 765.0	12.9	2 688.5	12.2
4 000-4 999	1 772.3	8.3	1 809.9	8.2
5 000-5 999	1 314.6	6.2	1 392.2	6.3
6 000-6 999	900.0	4.2	949.8	4.3
7 000-7 999	674.2	3.2	555.9	2.5
8 000-8 999	555.3	2.6	680.2	3.0
9 000-9 999	347.7	1.6	357.0	1.6
10 000 and over	1 984.0	9.3	2 089.9	9.5
Total	21 360.8	100.0	21 973.8	100.0

EWES TO BE MATED YEAR ENDED 31 MARCH 1997(c)

Statistical division	Ewes mated(a)	Lambs marked	Lamb marking ratio(b)	Joined to merino rams	Joined to other rams	Total
	'000	'000	%	'000	'000	'000
Melbourne	55.1	46.3	84.0	20.5	39.4	59.8
Barwon	541.4	434.0	80.2	393.7	198.3	592.0
Western District	2 646.9	2 228.2	84.2	1 502.2	1 313.7	2 815.9
Central Highlands	1 005.2	790.0	78.6	781.7	313.5	1 095.2
Wimmera	1 293.8	1 030.0	79.6	821.3	563.8	1 385.1
Mallee	561.8	482.0	85.8	186.2	442.2	628.3
Loddon	777.3	636.4	81.9	467.9	431.9	899.8
Goulburn	948.3	793.7	83.7	397.4	621.5	1 018.9
Ovens-Murray	154.8	130.2	84.1	52.5	112.4	164.9
East Gippsland	360.4	293.4	81.4	240.8	149.5	390.3
Gippsland	145.9	163.2	111.9	6.4	141.0	147.4
Victoria						
1996	8 491.0	7 027.3	82.8	4 870.5	4 327.1	9 197.6
1995	9 029.3	7 318.4	81.1	4 832.6	3 844.4	8 677.0
1994	9 324.6	7 549.5	81.0	4 987.3	4 774.1	9 761.4

(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 1995-96 season.

PIG NUMBERS(a) AND NUMBER OF ESTABLISHMENTS, At 31 March 1996

Statistical division	Total establishments	Percentage of total establishments with pigs	Total pigs	Percentage of total pigs
	no.	%	'000	%
Melbourne	16	2.6	16.0	3.5
Barwon	21	3.4	19.3	4.2
Western District	51	8.3	17.3	3.8
Central Highlands	20	3.3	26.0	5.7
Wimmera	99	16.1	47.4	10.3
Mallee	146	24.1	72.5	15.8
Loddon	67	10.9	150.4	32.8
Goulburn	122	19.8	88.7	19.3
Ovens-Murray	33	5.4	2.5	0.5
East Gippsland	18	2.9	3.3	0.7
Gippsland	20	3.3	15.1	3.3
Victoria				
1996	613	100.0	458.5	100.0
1995	748	100.0	438.6	100.0
1994	851	100.0	459.7	100.0

(a) Includes suckers, weaners, growers etc.

Herd size	1995.....		1996	
	Establishments no.	Percentage of pig establishments %	Establishments no.	Percentage of pig establishments %
1-9	144	19.3	90	14.7
10-19	70	9.4	45	7.3
20-29	26	3.5	32	5.2
30-39	37	4.9	19	3.1
40-49	24	3.2	26	4.2
50-69	40	5.3	34	5.5
70-99	34	4.5	32	5.2
100-149	45	6.0	40	6.5
150-199	39	5.2	27	4.4
200-299	65	8.7	59	9.6
300-499	55	7.4	49	8.0
500-699	42	5.6	39	6.4
700-999	39	5.2	32	5.2
1 000 and over	88	11.8	89	14.5
Total	748	100.0	613	100.0

Herd size	1995		1996	
	Number of pigs '000	Percentage of total pigs %	Number of pigs '000	Percentage of total pigs %
1-9	0.6	0.1	0.3	0.1
10-19	0.9	0.2	0.6	0.1
20-29	0.6	0.1	0.8	0.2
30-39	1.2	0.3	0.6	0.1
40-49	1.0	0.2	1.1	0.2
50-69	2.3	0.5	1.9	0.4
70-99	2.8	0.6	2.6	0.6
100-149	5.4	1.2	4.9	1.1
150-199	6.4	1.5	4.5	1.0
200-299	15.7	3.6	13.6	3.0
300-499	21.2	4.8	18.7	4.1
500-699	24.0	5.5	22.4	4.9
700-999	32.0	7.3	26.3	5.7
1 000 and over	324.4	74.0	360.1	78.6
Total	438.6	100.0	458.5	100.0

(a) Includes suckers, weaners, growers etc.

LAYERS

MEAT CHICKENS.....

Statistical division	Hens for egg	Replacement	Breeding	Grown on	Grown on	Breeding
	production for human					
	consumption					
	'000	'000	'000	'000	'000	'000
Melbourne	954	183	10	8 052	1 066	442
Barwon	265	74	—	1 268	—	258
Western District	125	36	—	—	—	—
Central Highlands	90	34	—	—	—	—
Wimmera	21	1	—	239	—	51
Mallee	56	11	—	181	2	—
Loddon	229	57	108	272	500	—
Goulburn	301	125	—	6	—	24
Ovens-Murray	51	14	—	—	—	—
East Gippsland	—	—	—	—	—	—
Gippsland	212	51	—	423	—	—
Victoria	2 305	586	118	10 440	1 569	795

OTHER POULTRY.....

Statistical division	Ducks	Turkeys
	'000	'000
Melbourne	1	—
Barwon	—	—
Western District	—	—
Central Highlands	1	—
Wimmera	206	65
Mallee	—	57
Loddon	28	—
Goulburn	—	—
Ovens-Murray	2	—
East Gippsland	—	—
Gippsland	—	—
Victoria	238	123

LAYERS EGGS.....

Statistical division	Hens for egg production for human consumption	Replacement stock	Day old chicks sold	Breeding stock	Production of eggs for human consumption
	'000	'000	'000	'000	'000 dozens
Melbourne	628	169	1 629	4	15 816
Barwon	152	44	—	—	5 596
Western District	98	4	—	—	2 874
Central Highlands	82	1	—	—	1 579
Wimmera	13	—	—	—	327
Mallee	41	6	—	—	1 005
Loddon	136	12	1 990	115	2 340
Goulburn	223	1	—	—	6 186
Ovens-Murray	29	—	—	—	1 126
East Gippsland	—	—	—	—	1
Gippsland	146	—	—	—	3 282
Victoria	1 547	236	3 620	119	40 131

MEAT CHICKENS..... OTHER POULTRY.. PROCESSED POULTRY SOLD

Statistical division	Grown on contract	Grown on own account	Day old chicks sold	Breeding stock	Ducks	Turkeys	Reared on holding	Other processed poultry
	'000	'000	'000	'000	'000	'000	'000	'000
Melbourne	41 668	25 828	30 176	360	5	—	12 727	—
Barwon	6 773	—	20 919	411	—	—	300	—
Western District	—	—	—	—	—	—	—	—
Central Highlands	—	—	—	—	—	—	—	—
Wimmera	1 755	—	—	87	1 170	145	1 464	696
Mallee	876	12	—	—	—	116	39	39
Loddon	1 981	5 000	—	—	2	—	5 136	5 037
Goulburn	21	—	—	40	—	—	—	—
Ovens-Murray	—	—	—	—	54	—	—	—
East Gippsland	—	—	—	—	—	—	—	—
Gippsland	2 631	—	—	—	—	—	—	—
Victoria	55 704	30 840	51 095	898	1 231	261	19 666	5 772

Statistical division	ESTABLISHMENTS		LIVESTOCK	
	Deer no.	Horses for breeding(a) no.	Deer no.	Horses for breeding(a) no.
Melbourne	21	198	3 751	3 406
Barwon	14	98	954	796
Western District	25	147	4 322	1 071
Central Highlands	14	76	1 277	811
Wimmera	8	84	1 137	572
Mallee	8	76	624	600
Loddon	13	114	1 828	1 601
Goulburn	26	284	7 418	4 082
Ovens-Murray	18	135	4 129	974
East Gippsland	12	123	735	819
Gippsland	38	123	8 616	994
Victoria				
1996	197	1 458	34 791	15 726
1995	210	1 339	36 305	14 121
1994	197	1 419	34 603	16 879

(a) Comprises horses on establishments with agricultural activity.

<i>Statistical division</i>	<i>Dairy bulls</i>	<i>Beef bulls</i>	<i>Other cattle</i>	<i>Pigs</i>
	'000	'000	'000	'000
Melbourne	0.2	0.9	77.8	36.5
Barwon	0.3	0.6	91.2	21.2
Western District	1.0	3.2	339.7	33.1
Central Highlands	—	0.6	53.5	47.5
Wimmera	—	0.3	23.8	78.6
Mallee	0.2	0.8	107.3	119.7
Loddon	0.1	0.6	49.9	278.9
Goulburn	1.0	2.3	352.9	157.2
Ovens-Murray	0.2	1.2	158.9	16.6
East Gippsland	0.3	1.4	168.4	6.3
Gippsland	0.8	1.7	280.2	27.2
Victoria	4.3	13.7	1 703.6	822.8

<i>Statistical division</i>	<i>Lambs and hoggets</i>	<i>All other sheep</i>	<i>Horses</i>	<i>Deer</i>
	'000	'000	'000	'000
Melbourne	30.4	26.7	0.8	1.1
Barwon	156.3	283.6	0.2	0.2
Western District	932.9	1 294.1	0.2	1.1
Central Highlands	318.1	538.2	0.1	0.5
Wimmera	539.5	759.7	0.1	0.3
Mallee	415.3	220.1	0.2	0.7
Loddon	372.7	366.8	0.3	0.6
Goulburn	557.6	419.6	0.7	3.9
Ovens-Murray	97.2	56.8	0.2	0.9
East Gippsland	122.9	183.3	0.1	0.2
Gippsland	167.9	41.2	0.1	1.0
Victoria	3 711.0	4 190.2	3.0	10.6

	Units	1994	1995	1996
Number of livestock slaughtered(a)(b)				
Cattle	'000	1 354.3	1 446.0	1 542.7
Calves	'000	553.3	651.9	590.2
Chickens	'000	83 997.8	80 374.8	77 942.0
Lambs	'000	5 547.6	6 358.7	5 991.8
Pigs	'000	1 160.7	1 191.3	1 160.2
Sheep	'000	4 221.6	3 513.8	2 519.3
Meat produced(a)(c)				
Beef	tonnes	305 919.0	329 399.4	352 755.2
Chicken	tonnes	122 931.8	114 005.9	113 503.6
Lamb	tonnes	99 582.3	113 373.0	110 042.5
Mutton	tonnes	90 643.0	71 247.6	51 316.6
Pig	tonnes	76 589.2	81 878.3	84 768.4
Veal	tonnes	13 853.8	14 999.0	12 770.3
Whole milk intake				
by factories(d)	million litres	4 854	5 156	5 348
Wool(e)				
Brokers and dealer receivals of taxable wool	tonnes	190 870.8	177 793.0	157 047.3
Eggs produced	'000 dozen	39 492.9	40 120.6	40 131.4
Honey produced	tonnes	4 904.6	3 301.6	4 415.0

(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.

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GROSS VALUE OF LIVESTOCK PRODUCTS & OTHER DISPOSALS, Years ended 31 March

	1994	1995r	1996p
	\$m	\$m	\$m
Livestock slaughtering(a)			
Cattle and calves	830.6	775.8	689.7
Pigs	169.9	146.4	141.4
Poultry	241.7	189.8	210.3
Sheep and lambs(b)	243.6	263.4	325.9
Other	0.1	0.1	0.3
Total	1 485.8	1 375.4	1 367.7
Wool			
Shorn and crutched	415.2	597.8	461.9
Other(c)	24.6	36.0	25.8
Total	439.8	633.7	487.7
Production of milk			
Human consumption	194.1	192.9	201.3
Manufacturing	1 187.0	1 120.3	1 509.4
Total	1 381.1	1 313.3	1 710.7
Eggs	49.3	42.3	53.2
Honey and beeswax	7.5	4.7	6.0

(a) Includes net exports of livestock.

(b) Excludes value of wool on skins.

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

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BEEKEEPING, SUMMARY STATISTICS, Years ended 30 June

Units	1994	1995	1996
Number of apiarists	322	294	254
Number of beehives			
Productive(a)	74 387	64 753	77 461
Unproductive	14 355	17 951	4 045
Total	88 742	82 704	81 506
Honey produced			
Quantity	kg 4 904 633	3 301 577	4 415 045
Average production(b)	kg/hive 66	51	57
Beeswax produced	kg 193 541	58 413	79 609

(a) Beehives from which honey was taken.

(b) Average production per productive beehive.

POULTRY 0141-0142

FRUIT 0114 0119

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	0.8	*	n.p.	n.p.	413.3	10	424.1	8
Sales from livestock	25.1	77	n.p.	n.p.	11.9	57	1.2	59
Sales from livestock products	68.5	17	n.p.	n.p.	0.3	89	0.0	*
Turnover	104.8	21	n.p.	n.p.	448.6	11	482.1	8
Purchases and selected expenses	68.6	25	n.p.	n.p.	181.9	12	179.2	9
Value added(a)	37.3	22	n.p.	n.p.	269.1	12	303.7	9
Adjusted value added(a)	32.6	24	n.p.	n.p.	240.2	13	272.5	9
Gross operating surplus(a)	24.1	27	n.p.	n.p.	154.6	16	165.6	12
Interest paid	6.6	37	n.p.	n.p.	22.9	25	23.8	31
Cash operating surplus(b)	16.4	34	n.p.	n.p.	127.7	20	154.1	14
Gross indebtedness	84.8	30	n.p.	n.p.	226.9	21	367.3	39
Total net capital expenditure	20.9	43	n.p.	n.p.	39.2	40	15.5	36

VEGETABLES 0113

GRAIN 0121

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	208.8	13	236.8	20	393.0	9	238.5	13
Sales from livestock	39.1	28	18.8	38	46.6	75	38.3	24
Sales from livestock products	12.3	37	44.6	82	20.3	23	25.9	19
Turnover	269.0	10	324.6	17	482.6	12	333.8	13
Purchases and selected expenses	141.2	12	179.9	21	290.5	14	206.8	14
Value added(a)	140.0	10	135.6	17	189.6	13	118.7	15
Adjusted value added(a)	124.7	11	122.6	18	161.6	14	92.0	18
Gross operating surplus(a)	81.3	15	68.7	19	142.7	16	69.8	24
Interest paid	13.5	16	15.7	21	17.6	18	16.1	23
Cash operating surplus(b)	55.6	17	63.0	19	130.5	16	62.4	27
Gross indebtedness	143.4	18	177.6	20	152.5	17	151.5	22
Total net capital expenditure	19.3	19	26.5	37	47.4	27	34.5	23

(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).

GRAIN-SHEEP/BEEF CATTLE 0122

SHEEP-BEEF CATTLE 0123

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	%	\$m	%	\$m	%	\$m	%
Sales from crops	198.8	22	149.3	18	3.2	70	16.3	56
Sales from livestock	47.5	18	64.0	15	133.8	27	194.0	13
Sales from livestock products	75.1	22	87.7	19	66.7	39	115.1	14
Turnover	352.4	17	318.5	14	218.4	29	335.3	9
Purchases and selected expenses	220.5	17	175.7	15	130.4	33	189.9	9
Value added(a)	151.7	18	116.4	18	145.5	31	105.0	17
Adjusted value added(a)	122.8	19	91.8	21	123.8	31	75.1	23
Gross operating surplus(a)	99.2	20	68.0	27	92.3	37	55.6	30
Interest paid	18.5	23	17.5	23	16.2	45	25.8	22
Cash operating surplus(b)	57.2	31	70.3	25	28.4	80	70.6	23
Gross indebtedness	205.4	23	209.1	34	186.6	42	239.0	22
Total net capital expenditure	27.0	36	23.2	24	8.7	86	20.8	27

SHEEP 0124

BEEF CATTLE 0125

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	%	\$m	%	\$m	%	\$m	%
Sales from crops	9.2	74	32.6	30	12.1	43	11.2	62
Sales from livestock	60.2	24	78.0	22	404.6	11	307.6	13
Sales from livestock products	151.7	17	243.4	17	14.7	64	26.6	73
Turnover	235.6	16	372.9	11	497.7	10	419.0	14
Purchases and selected expenses	133.3	15	179.9	14	332.0	11	275.8	13
Value added(a)	117.7	29	169.8	15	254.5	11	77.3	36
Adjusted value added(a)	89.9	35	143.4	16	212.3	12	45.1	56
Gross operating surplus(a)	63.2	45	118.5	18	185.3	13	19.4	123
Interest paid	18.9	43	36.1	28	30.5	27	22.7	40
Cash operating surplus(b)	39.7	43	101.9	26	74.6	28	67.9	25
Gross indebtedness	257.7	33	289.2	25	308.1	24	258.6	32
Total net capital expenditure	8.3	33	28.8	39	28.4	23	23.9	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).

DAIRY CATTLE 0130

PIGS 0151

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	%	\$m	%	\$m	%	\$m	%
Sales from crops	22.9	74	2.3	63	0.5	60	0.4	33
Sales from livestock	191.0	21	189.1	14	106.1	3	104.8	10
Sales from livestock products	1 133.6	13	1 298.9	7	1.8	29	4.9	44
Turnover	1 399.6	13	1 524.7	6	113.7	3	113.6	11
Purchases and selected expenses	742.9	14	919.1	7	84.5	3	86.7	10
Value added(a)	762.3	13	744.9	8	27.9	6	18.4	27
Adjusted value added(a)	697.8	13	660.6	8	23.8	8	13.4	37
Gross operating surplus(a)	618.5	14	582.7	10	14.6	13	4.4	105
Interest paid	94.3	17	104.1	15	2.8	15	2.0	38
Cash operating surplus(b)	398.7	15	334.1	15	13.3	16	9.9	22
Gross indebtedness	982.3	18	1 071.5	15	29.2	13	19.7	33
Total net capital expenditure	159.1	18	108.8	16	4.6	15	6.9	23

OTHER AGRICULTURE 0111-0112,
0152-0159, 0169

AGRICULTURE ALL INDUSTRIES

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	%	\$m	%	\$m	%	\$m	%
Sales from crops	247.5	27	195.6	17	1 510.0	6	1 307.1	6
Sales from livestock	57.6	31	76.6	32	1 123.6	7	1 072.5	6
Sales from livestock products	4.7	34	38.5	45	1 549.7	10	1 885.5	6
Turnover	327.4	21	360.4	13	4 449.8	5	4 584.8	3
Purchases and selected expenses	179.9	19	181.3	15	2 505.6	5	2 574.2	4
Value added(a)	138.6	27	169.3	17	2 234.1	6	1 959.2	4
Adjusted value added(a)	118.6	30	141.3	20	1 948.0	6	1 657.8	5
Gross operating surplus(a)	26.5	82	67.1	34	1 502.3	7	1 219.6	6
Interest paid	5.9	16	23.2	21	247.6	9	287.1	8
Cash operating surplus(b)	28.7	72	54.0	38	970.9	8	988.1	7
Gross indebtedness	82.9	19	242.3	18	2 659.7	9	3 025.8	9
Total net capital expenditure	38.3	41	32.2	30	401.1	10	321.0	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	1990-91	SE	1991-92	SE	1992-93	SE
	\$m	%	\$m	%	\$m	%
Sales from crops	1 053.0	6	1 118.8	4	1 412.8	4
Sales from livestock	826.2	5	791.4	5	918.5	5
Sales from livestock products	1 443.0	4	1 426.7	4	1 721.9	4
Turnover	3 504.6	3	3 576.7	2	4 296.7	3
Purchases and selected expenses	1 970.3	3	1 973.6	3	2 294.3	3
Value added(a)	1 361.1	5	1 658.4	4	2 247.9	3
Adjusted value added(a)	1 105.6	6	1 406.7	4	1 966.8	3
Gross operating surplus(a)	752.8	8	1 048.4	5	1 593.1	3
Interest paid	371.4	7	310.3	6	316.1	10
Cash operating surplus(b)	598.5	10	701.4	6	1 045.4	7
Gross indebtedness	2 454.1	7	2 451.7	6	2 769.5	6
Total net capital expenditure	202.8	13	230.5	12	364.3	8

AGGREGATES

Items	1993-94	SE	1994-95	SE	1995-96p	SE
	\$m	%	\$m	%	\$m	%
Sales from crops	1 510.0	6	1 307.1	6	1 825.7	6.0
Sales from livestock	1 123.6	7	1 072.5	6	1 094.5	6.0
Sales from livestock products	1 549.7	10	1 885.5	6	1 722.6	7.0
Turnover	4 449.8	5	4 584.8	3	5 013.7	3.0
Purchases and selected expenses	2 505.6	5	2 574.2	4	2 875.6	4.0
Value added(a)	2 234.1	6	1 959.2	4	n.p.	n.p.
Adjusted value added(a)	1 948.0	6	1 657.8	5	n.p.	n.p.
Gross operating surplus(a)	1 502.3	7	1 219.6	6	n.p.	n.p.
Interest paid	247.6	9	287.1	8	n.p.	n.p.
Cash operating surplus(b)	970.9	8	988.1	7	1 252.2	7.0
Gross indebtedness	2 659.7	9	3 025.8	9	n.p.	n.p.
Total net capital expenditure	401.1	10	321.0	10	n.p.	n.p.

(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

Items	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96 ^a
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Sales from crops	37.0	39.1	49.2	53.0	47.4	n.y.a.
Sales from livestock	29.0	27.7	32.0	39.4	38.9	n.y.a.
Sales from livestock products	50.7	49.9	60.0	54.4	68.4	n.y.a.
Turnover	123.1	125.0	149.7	156.1	166.4	n.y.a.
Purchases and selected expenses	69.2	69.0	79.9	87.9	93.4	n.y.a.
Value added(a)	47.8	58.0	78.3	78.4	71.1	n.y.a.
Adjusted value added(a)	38.8	49.2	68.5	68.3	60.2	n.y.a.
Gross operating surplus(a)	26.4	36.6	55.5	52.7	44.3	n.y.a.
Interest paid	13.0	10.8	11.0	8.7	10.4	n.y.a.
Cash operating surplus(b)	21.0	24.5	36.4	34.1	35.9	n.y.a.
Gross indebtedness	86.2	85.7	96.5	93.3	109.8	n.y.a.
Total net capital expenditure	7.1	8.1	12.7	14.1	11.7	n.y.a.

(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
- 1982-83 to 1985-86 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, 2, 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 slaughtering, 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 1996 (for example, maize, rice, apples, grapes and late planted potatoes), the production statistics relate to the completed harvest.

EXPLANATORY NOTES *continued*

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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 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 turn-off 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 1995-96 season relates to the harvesting period October 1995 to February 1996.

EXPLANATORY NOTES *continued*

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Statistics of other crops which in some States are harvested after 31 March 1996 (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 monthly 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. More detailed information is published monthly in *Livestock Products, Australia* (7215.0).

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. These data are published monthly in *Livestock Products, Australia* (7215.0).

17 The wool estimates contained in table 53 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). More detailed information is published monthly in *Livestock Products, Australia*, (7215.0).

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.

EXPLANATORY NOTES *continued*

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)*.

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 Sub-division 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, Australia (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 and floppy disk. AgStats on floppy disk 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

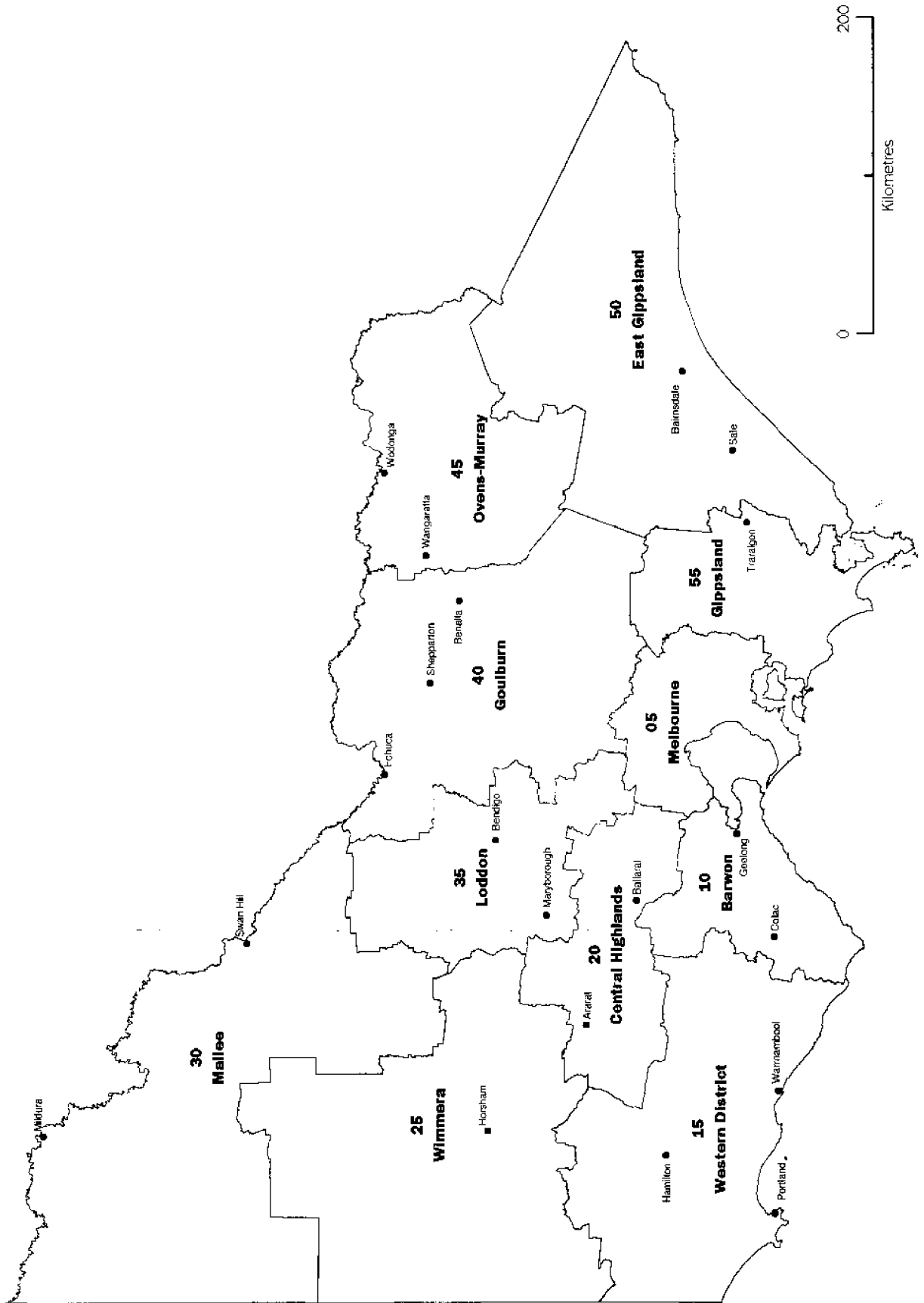
30 As well as the statistics in this and related publications, the ABS may have other unpublished data available. Inquires should be directed to Winton McColl on (03) 9615 7470.

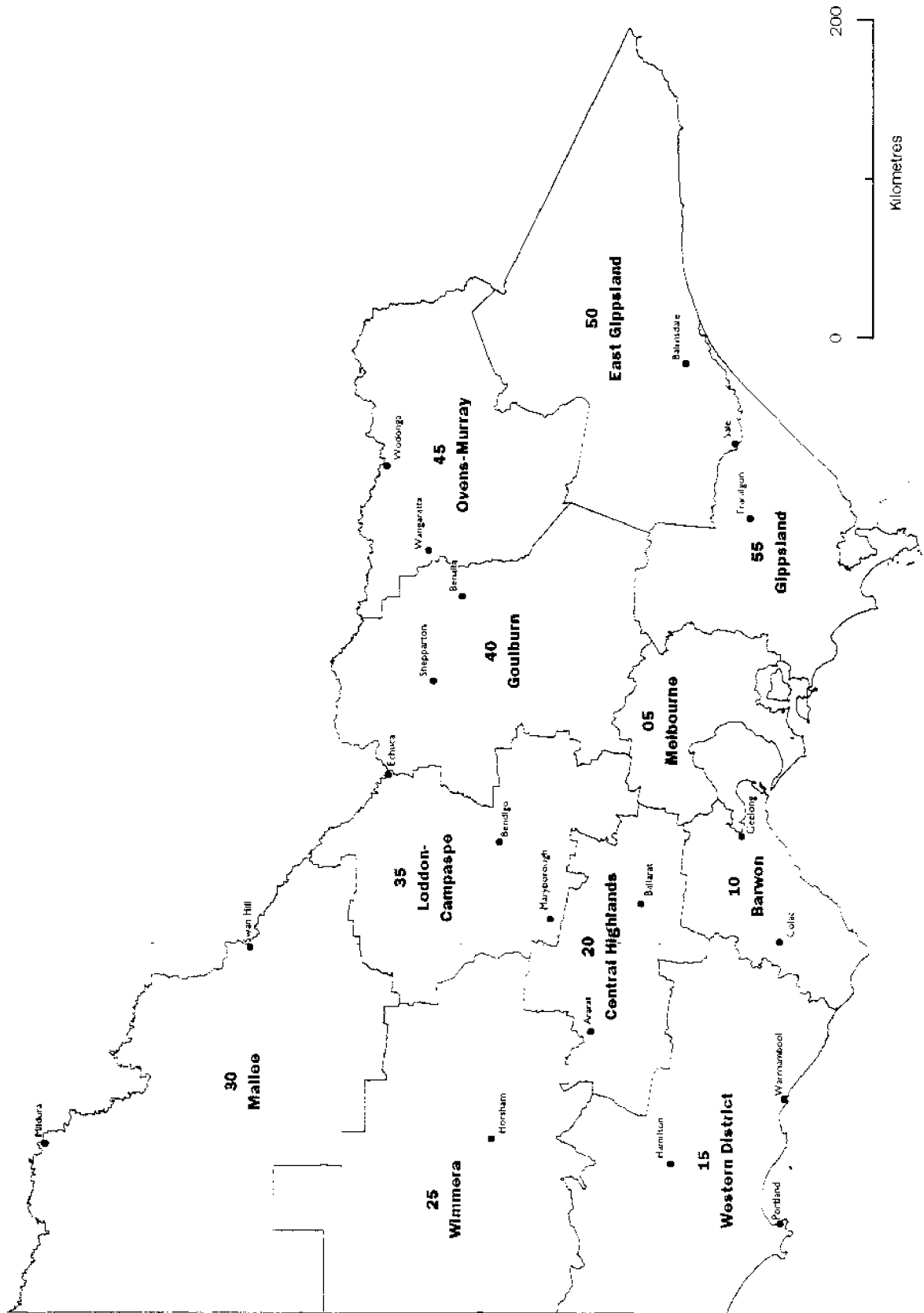
31 The figures shown in this publication have been revised where necessary and as a consequence may not agree with similar data shown in previous publications.

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



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