



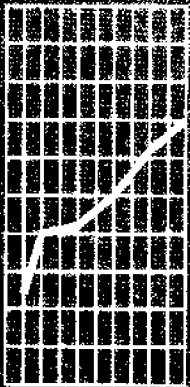
1995-96

EMBARGO: 11:30 AM (CANBERRA TIME) FRI 8 AUGUST 1997

Agriculture

Western Australia

1995-96



NOTES

SYMBOLS AND OTHER USAGES

EVAO	estimated value of agricultural operations
ha	hectares
kg	kilograms
km	kilometres
n.a.	not available
n.c.	not collected
n.e.c.	not elsewhere classified
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For further information about statistics in this publication and the availability of related unpublished statistics, contact Peter Hodgson on Perth (08) 9360 5180 or any ABS State office.

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

M. A. Konrath
Acting Regional Director, Western Australia

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SUMMARY OF FINDINGS

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INTRODUCTION

The 1995-96 season showed an improvement over the previous year. The Midlands and Upper Great Southern Statistical Divisions (SDs), the principal grain growing regions, experienced good conditions. The average wheat yield in Midlands SD was 1.7 t/ha for 1995-96 compared to 1.3 t/ha for 1994-95. Average yield in Upper Great Southern SD was 2.0 t/ha for 1995-96 compared to a 1994-95 average of 1.7 t/ha. Prices for meat cattle weakened during the year; the sheep industry experienced a continued downward trend in wool prices. The bright side for the sheep industry was strong prices for fat lambs.

STRUCTURE OF AGRICULTURAL INDUSTRY

From 31 March 1995 to 31 March 1996, there was a 0.1% increase in the number of establishments with agricultural activity. The total at 31 March 1996 (13,987) included 202 establishments classified to ANZSIC other than Subdivision 01 Agriculture and 145 establishments not classified to any industry (see table 1).

The main industries of the agricultural establishments were:

	<i>Number</i>	<i>% of establishments with agricultural activity</i>
Grain-sheep/beef cattle farming	3 688	26.4
Grain growing	2 729	19.5
Beef cattle farming	1 898	13.6
Sheep farming	1 759	12.6

From 31 March 1995 to 31 March 1996, there was a significant increase (19.9%) in the number of establishments classified to grain growing. However, the number of establishments classified to grain-sheep/beef cattle farming decreased by 9.1%, from 4,055 to 3,688. Establishments classified to dairy cattle farming also decreased, by 10.3%, from 516 to 463 (see table 1).

At 31 March 1996, 16.8% of establishments with agricultural activity had an estimated value of agricultural operations (EVAO) of \$500,000 or more, whilst a further 29.3% had an EVAO between \$200,000 and \$499,999. The grain growing industry accounted for 54.9% of establishments with an EVAO of \$500,000 or more, but only accounted for 19.5% of all agricultural establishments with agricultural activity (see table 5).

For all establishments with agricultural activity, 53.6% had an area of holding of less than 1,000 hectares each; 14 establishments each had an area of 500,000 hectares or more at 31 March 1996 (see table 6).

At 31 March 1996, establishments with agricultural activity occupied 114.5 million hectares or 45.1% of Western Australia's total area. The area of cereal crops was 5.2 million hectares (4.5% of the total area of establishments with agricultural activity). This was an increase of 8.4% on the 1994-95 figure when 4.8 million hectares of cereal crops were grown (see table 7).

SUMMARY OF FINDINGS *continued*

LAND MANAGEMENT

The main method of handling crop stubble in 1995-96 was to leave it intact; that is, no cultivation, and to sow crops by direct drilling. This method was used on 1,438,700 hectares. The next most popular methods, used on 758,100 hectares, were to remove crop stubble by grazing, baling or fire harrowing. The method of burning crop stubble was used on 547,300 hectares (see table 8).

A total of 29.4 million tree seedlings were planted in Western Australia during the year ended 31 March 1996. The Midlands SD accounted for 72.7% of these tree seedlings (see table 10).

There were 330,700 tonnes of soil conditioners (lime, dolomite, gypsum) applied to Western Australian farmland during 1995-96. The two principal conditioners used were lime (165,500 tonnes over 130,700 hectares) and gypsum (148,300 tonnes over 111,600 hectares). The Midlands SD accounted for 30.2% of the total area to which soil conditioners were applied (see table 13).

During 1995-96, 2.9 million hectares of pasture were top dressed and weed control measures were carried out on 1.3 million hectares (see table 14).

CROPS AND PASTURES

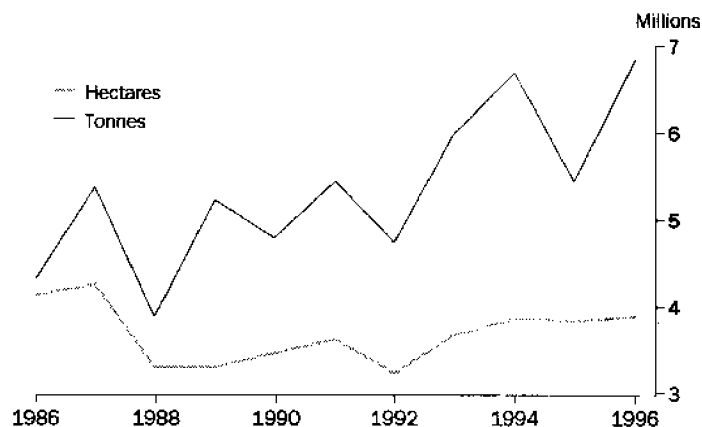
WHEAT

The area sown to wheat for grain changed little at 3,892,400 hectares in 1995-96 compared to 3,848,300 hectares in 1994-95.

Production during the same period increased by 25.5% to 6,826,700 tonnes and the average yield increased by 24.1% to 1.8 t/ha. Wheat was grown in all SDs except Pilbara and Kimberley. The major contributor to production was the Midlands SD which accounted for 48.2% of the State's production and 50.1% of the State's area (see table 16).

The number of establishments growing wheat decreased from 5,814 in 1994-95 to 5,717 in 1995-96, a fall of 1.7% (see table 22). During 1995-96, 1,262 (22.1%) establishments grew wheat crops of 1,000 ha or more and accounted for 52.6% of wheat produced. The median wheat crop area in 1995-96 was 473 ha (see table 21).

WHEAT, YEARS ENDED 31 MARCH



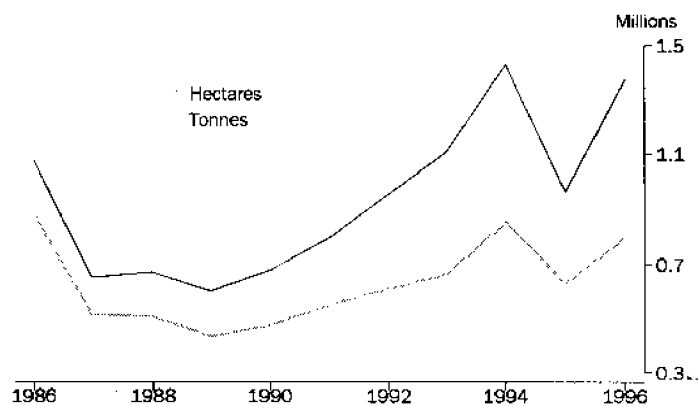
SUMMARY OF FINDINGS *continued*

BARLEY

In 1995–96, the area sown to barley increased from 579,100 hectares to 744,500 hectares, a rise of 28.6%. The number of establishments growing barley increased from 3,774 in 1994–95 to 4,114 in 1995–96, a rise of 9.0%. Production of barley increased by 44.6% over the 1994–95 season to 1,322,800 tonnes; average yield increased from 1.6 t/ha to 1.8 t/ha in the same period (see tables 16 and 22).

The Lower Great Southern SD accounted for 33.2% of all barley produced in Western Australia and 26.9% of area sown (see table 16).

BARLEY, YEARS ENDED 31 MARCH



LUPINS

Production of lupins increased significantly from 982,200 tonnes in 1994–95 to 1,290,000 tonnes in 1995–96 (31.3%). The Midlands SD was the largest producer of lupins in Western Australia, with 562,300 tonnes produced from 514,500 hectares sown, and an average yield of 1.1 t/ha (see table 17).

LUPINS, YEARS ENDED 31 MARCH

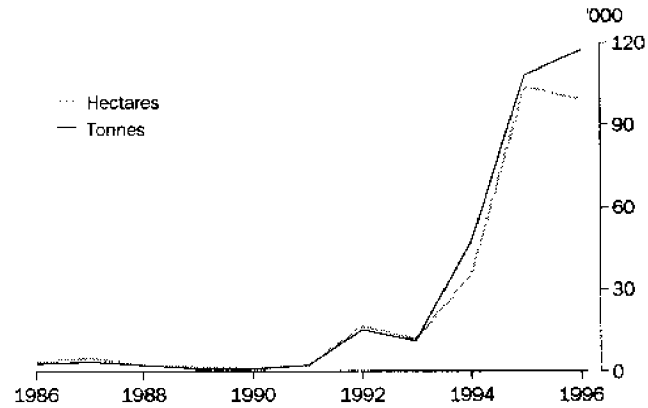


SUMMARY OF FINDINGS *continued*

CANOLA

Canola showed a slight fall in area, but a slight rise in production in 1995-96. Area sown decreased from 104,100 hectares to 99,400 hectares (4.5%), while production increased from 107,900 tonnes to 116,900 tonnes (8.3%). Average yield increased from 1.0 t/ha to 1.2 t/ha, up 20.0% (see table 19).

CANOLA, YEARS ENDED 31 MARCH

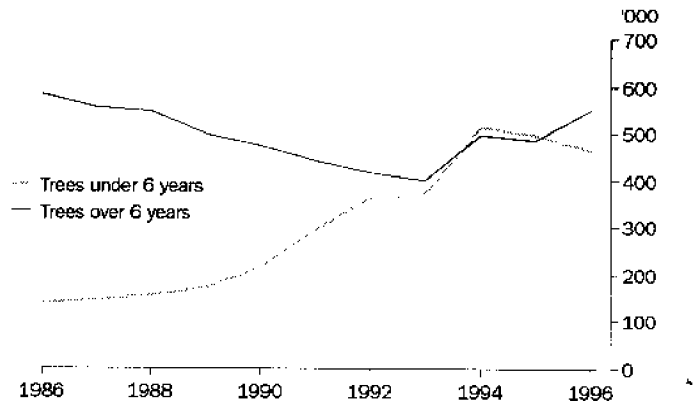


HORTICULTURE

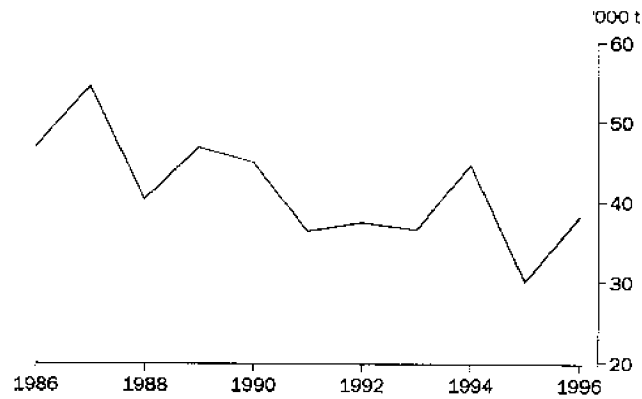
APPLES

The number of apple trees at 31 March 1996 stood at 1.0 million, an increase of 3.6% from 31 March 1995. Production increased by 27.8% to 38,200 tonnes, up from 29,900 tonnes the previous year. The major apple growing area in Western Australia was the South West SD which accounted for 78.5% of the State's trees and 79.6% of the State's production (see table 24).

APPLES, TREE NUMBERS, AT 31 MARCH



APPLES, PRODUCTION, YEARS ENDED 31 MARCH

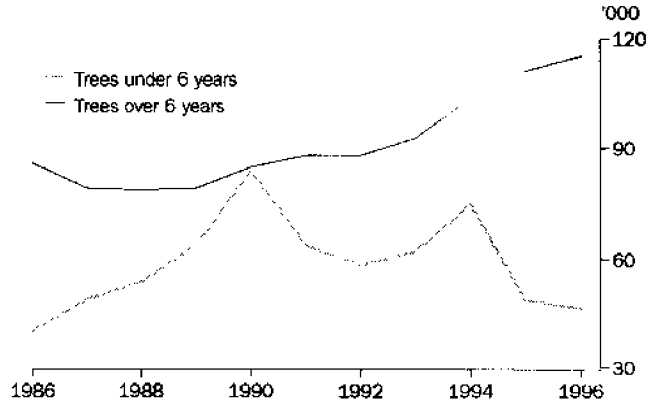


SUMMARY OF FINDINGS *continued*

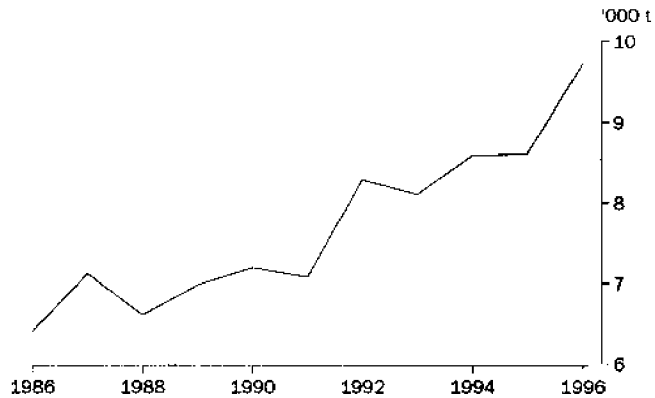
PEARS

There were 161,900 pear (excluding nashi) trees in Western Australia at 31 March 1996, a marginal increase on the previous year. Production rose 12.9%, from 8,614 tonnes to 9,727 tonnes during the same period (see table 24).

PEARS (EXCLUDING NASHI), TREE NUMBERS, AT 31 MARCH



PEARS (EXCLUDING NASHI), PRODUCTION, YEARS ENDED 31 MARCH

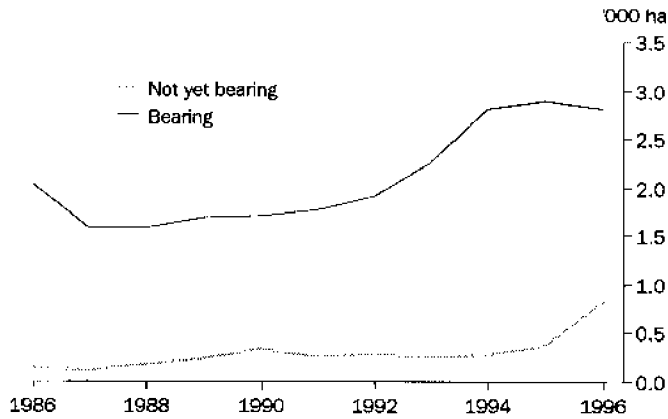


SUMMARY OF FINDINGS *continued*

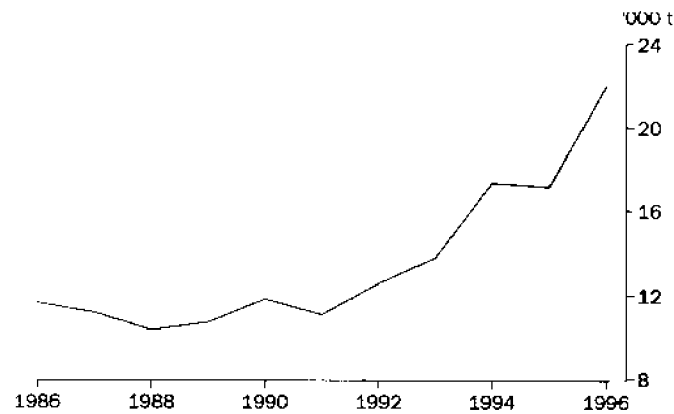
VITICULTURE

The total area of bearing vines at harvest in 1995–96 decreased to 2,803 hectares, a fall of 2.9% from the previous season. However, the total area of vines not yet bearing increased significantly, from 384.1 hectares to 838.8 hectares (118.4%). Production of wine grapes increased by 34.2% to 17,234 tonnes. The major wine grape growing areas were the South West and Lower Great Southern SDs with 47.5% and 25.0% of total wine grape production respectively (see table 29).

GRAPES, AREA PLANTED, YEARS ENDED 31 MARCH



GRAPES, PRODUCTION, YEARS ENDED 31 MARCH

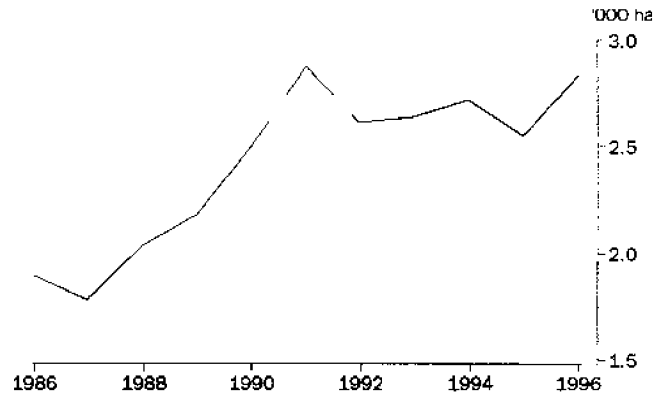


SUMMARY OF FINDINGS *continued*

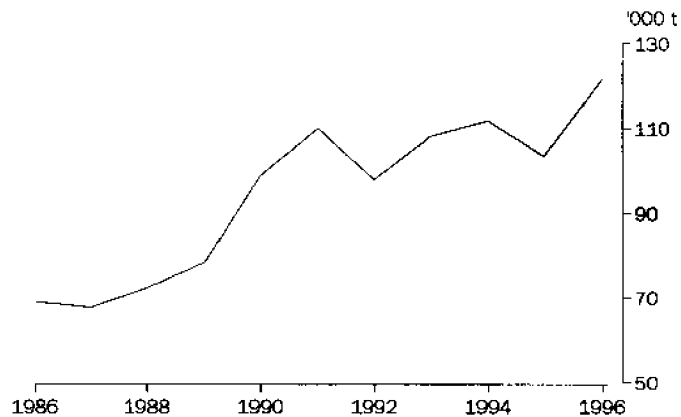
POTATOES

The total area planted to potatoes in 1995-96 was 2,800 hectares, an increase of 11.1% over the 1994-95 area of 2,600 hectares. Production also increased, to 121,600 tonnes, a 17.4% increase on the 103,600 tonnes produced in 1994-95. Average yield increased from 40.6 t/ha to 42.9 t/ha. The main potato growing area in Western Australia was the South West SD which produced 106,500 tonnes of potatoes from 2,400 hectares sown (see tables 30 and 31).

POTATOES, AREA PLANTED, YEARS ENDED 31 MARCH



POTATOES, PRODUCTION, YEARS ENDED 31 MARCH



SUMMARY OF FINDINGS *continued*

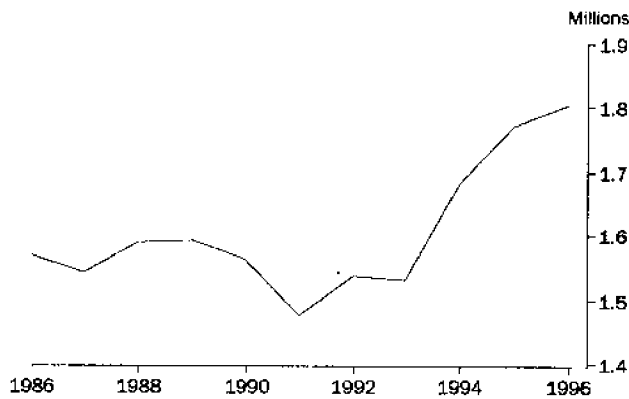
LIVESTOCK AND LIVESTOCK PRODUCTS

MEAT CATTLE

There were 1,802,800 meat cattle in Western Australia at 31 March 1996, a 1.7% rise from the 1,773,100 reported at 31 March 1995. Many of the State's meat cattle were in the Kimberley SD which accounted for 28.9% of the total herd. There was a slight rise in the number of establishments reporting meat cattle, from 5,061 to 5,115.

At 31 March 1996, 11.1% of all establishments with meat cattle had a herd size of 500 and over. These establishments accounted for 66.9% of the number of meat cattle. Just under a quarter of establishments with meat cattle had a herd size of under 50. These establishments accounted for only 1.7% of the total herd. The median meat cattle herd size at 31 March 1996 was 116 (see tables 36, 37 and 38).

MEAT CATTLE, AT 31 MARCH

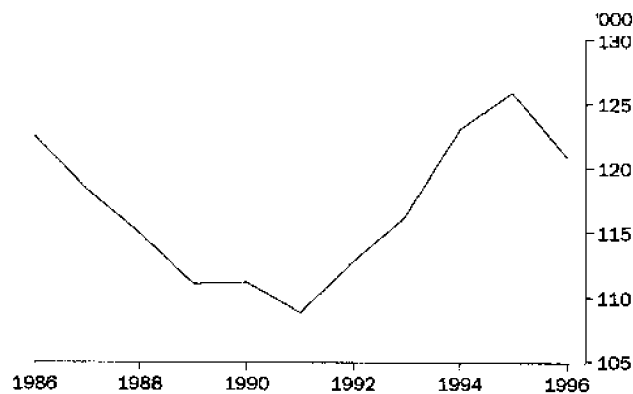


MILK CATTLE

The milk cattle herd decreased to 120,900, a fall of 4.0% from 1994-95. The South West SD was the major dairy region in the State with 89.3% of the State's milk cattle herd. The number of establishments with milk cattle fell by 11.2% to 517.

At 31 March 1996, 51.5% of establishments with milk cattle had a herd size of 200 and over. These establishments accounted for 76.9% of milk cattle (see tables 39, 40 and 41).

MILK CATTLE, AT 31 MARCH

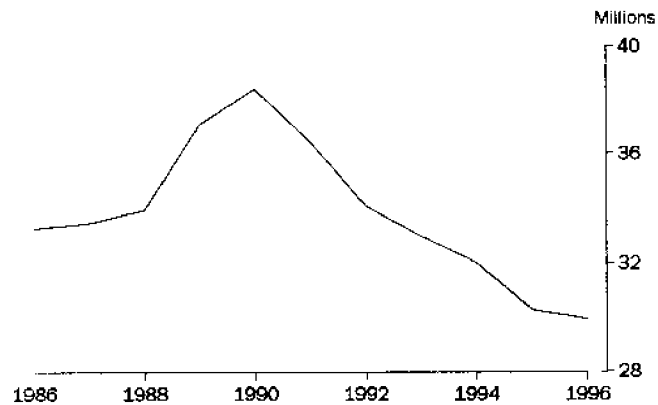


SUMMARY OF FINDINGS *continued*

SHEEP AND LAMBS

There were 29.8 million sheep at 31 March 1996, a decrease of 1.3% from 30.2 million at 31 March 1995. The number of establishments reporting sheep and lambs was 8,930, a decrease of 1.0%. The majority of establishments ran small flocks with 80.5% of all establishments in Western Australia running a flock of less than 5,000 head. The number of lambs marked increased by 7.9% to 9.8 million (see tables 44 and 45).

SHEEP AND LAMBS, AT 31 MARCH



PIGS

The number of pigs at 31 March 1996 was 313,600, a decrease of 0.9% from 31 March 1995, while the number of establishments reporting pigs at 31 March 1996 was 758, a decrease of 9.9%. The major SD in terms of pig numbers was Midlands which accounted for 34.6% of the State's herd (see table 46).

PIGS, AT 31 MARCH



VALUE OF AGRICULTURAL COMMODITIES PRODUCED

At the time of publication, preliminary figures only were available for the gross value of agricultural commodities produced in 1995-96.

As in the previous season, wheat for grain, with production valued at \$1,835.7m, continued to be the leading broadacre crop in terms of value of production. The next major crop in terms of gross value was barley with \$274.3m (see table 20).

In relation to fruit, apples were the largest contributors to gross value of production at \$36.0m, an increase of 51.9% on the previous year. Next were grapes contributing \$22.3m, an increase on the figure of \$18.0m the previous year (see table 28).

Potatoes were the largest contributor to the gross value of production of vegetables, increasing to \$43.0m in 1995-96 from \$37.3m in 1994-95. Other major contributors were carrots and cauliflowers, which contributed \$28.6m and \$23.4m respectively (see table 32).

The gross value of total livestock slaughterings increased to \$697.2m in 1995-96, an increase of 11.7% on the previous year. The gross value of cattle and calf slaughterings increased marginally to \$297.5m; this value represented 42.7% of the total value of livestock slaughterings. The gross value of sheep and lamb slaughterings increased significantly from \$173.1m to \$245.3m (see table 53).

The gross value of livestock products consisted mainly of wool production with a figure of \$618.8m; this figure represented 78.0% of the total value of all livestock products in Western Australia for 1995-96 (see table 53).

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	147	140	156
0112	Cut flower and flower seed growing	137	122	130
0113	Vegetable growing	563	564	567
0114	Grape growing	238	233	268
0115	Apple and pear growing	229	207	224
0116	Stone fruit growing	172	173	164
0117	Kiwi fruit growing	8	7	9
0119	Fruit growing n.e.c.	360	294	299
0121	Grain growing	3 154	2 276	2 729
0122	Grain-sheep/beef cattle farming	3 479	4 055	3 688
0123	Sheep-beef cattle farming	625	630	628
0124	Sheep farming	1 905	1 928	1 759
0125	Beef cattle farming	1 990	1 890	1 898
0130	Dairy cattle farming	528	516	463
0141	Poultry farming (meat)	65	59	57
0142	Poultry farming (eggs)	84	85	85
0151	Pig farming	158	135	127
0152	Horse farming	158	113	110
0153	Deer farming	47	38	40
0159	Livestock farming n.e.c.	113	156	162
0161	Sugar cane growing	—	—	—
0162	Cotton growing	—	—	—
0169	Crop and plant growing n.e.c.	46	62	77
Total (ANZSIC Code 01)		14 206	13 683	13 640
02	Services to agriculture; hunting and trapping	12	9	30
03	Forestry and logging	2	3	6
04	Commercial fishing	5	8	9
Total (ANZSIC Division A)		14 225	13 703	13 685
All other ANZSIC Divisions		128	121	157
Unclassified		202	147	145
Total all Industries		14 555	13 971	13 987

(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 74.

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	103	126	136
0112	Cut flower and flower seed growing	72	95	112
0113	Vegetable growing	484	486	512
0114	Grape growing	142	158	195
0115	Apple and pear growing	204	184	207
0116	Stone fruit growing	106	120	117
0117	Kiwi fruit growing	6	6	8
0119	Fruit growing n.e.c.	234	214	221
0121	Grain growing	3 117	2 246	2 702
0122	Grain-sheep/beef cattle farming	3 408	4 019	3 654
0123	Sheep-beef cattle farming	475	530	533
0124	Sheep farming	1 398	1 627	1 493
0125	Beef cattle farming	1 022	1 060	1 186
0130	Dairy cattle farming	515	505	460
0141	Poultry farming (meat)	62	59	56
0142	Poultry farming (eggs)	81	81	81
0151	Pig farming	132	122	117
0152	Horse farming	85	68	72
0153	Deer farming	46	35	36
0159	Livestock farming n.e.c.	87	113	130
0161	Sugar cane growing	—	—	—
0162	Cotton growing	—	—	—
0169	Crop and plant growing n.e.c.	24	49	55
Total (ANZSIC Code 01)		11 803	11 903	12 083
02	Services to agriculture; hunting and trapping	3	5	14
03	Forestry and logging	1	1	2
04	Commercial fishing	2	4	7
Total (ANZSIC Division A)		11 809	11 913	12 106
All other ANZSIC Divisions		72	75	107
Unclassified		—	—	—
Total all Industries		11 881	11 988	12 213

3

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

Statistical division	1994	1995	1996
	no.	no.	no.
Perth	1 385	1 269	1 234
South West	2 930	2 804	2 831
Lower Great Southern	2 560	2 456	2 457
Upper Great Southern	1 897	1 858	1 865
Midlands	3 294	3 168	3 172
South Eastern	764	740	739
Central	1 466	1 432	1 442
Pilbara	61	58	57
Kimberley	198	186	190
Western Australia	14 555	13 971	13 987

(a) See explanatory note 4 on page 74.

(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.
Perth	852	870	897
South West	1 942	2 023	2 112
Lower Great Southern	2 072	2 104	2 166
Upper Great Southern	1 801	1 789	1 804
Midlands	2 911	2 927	2 955
South Eastern	717	712	708
Central	1 374	1 349	1 360
Pilbara	60	57	57
Kimberley	152	157	154
Western Australia	11 881	11 988	12 213

(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	1	19	23	41
0112	Cut flower and flower seed growing	3	15	29	35
0113	Vegetable growing	5	50	84	95
0114	Grape growing	5	68	87	57
0115	Apple and pear growing	—	17	33	46
0116	Stone fruit growing	—	47	44	41
0117	Kiwi fruit growing	—	1	3	3
0119	Fruit growing n.e.c.	16	62	48	53
0121	Grain growing	6	21	34	77
0122	Grain-sheep/beef cattle farming	1	33	122	291
0123	Sheep-beef cattle farming	4	91	127	157
0124	Sheep farming	35	229	259	371
0125	Beef cattle farming	53	659	539	298
0130	Dairy cattle farming	1	2	2	22
0141	Poultry farming (meat)	—	1	1	3
0142	Poultry farming (eggs)	2	2	4	5
0151	Pig farming	2	9	16	22
0152	Horse farming	2	36	33	25
0153	Deer farming	—	4	8	6
0159	Livestock farming n.e.c.	3	30	21	39
0161	Sugar cane growing	—	—	—	—
0162	Cotton growing	—	—	—	—
0169	Crop and plant growing n.e.c.	4	18	17	11
Total (ANZSIC Code 01)		143	1 414	1 534	1 698
02	Services to agriculture; hunting and trapping	2	14	6	5
03	Forestry and logging	2	2	1	—
04	Commercial fishing	—	2	3	—
Total (ANZSIC Division A)		147	1 432	1 544	1 703
All other ANZSIC Divisions		8	42	34	27
Unclassified		145	—	—	—
Total all industries		300	1 474	1 578	1 730

(a) See explanatory note 4 on page 74.

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	32	26	14	156
0112	Cut flower and flower seed growing	18	20	10	130
0113	Vegetable growing	91	150	92	567
0114	Grape growing	34	9	8	268
0115	Apple and pear growing	60	54	14	224
0116	Stone fruit growing	22	8	2	164
0117	Kiwi fruit growing	—	2	—	9
0119	Fruit growing n.e.c.	72	36	12	299
0121	Grain growing	242	1 055	1 294	2 729
0122	Grain-sheep/beef cattle farming	902	1 775	564	3 688
0123	Sheep-beef cattle farming	120	102	27	628
0124	Sheep farming	452	358	55	1 759
0125	Beef cattle farming	163	103	83	1 898
0130	Dairy cattle farming	125	258	53	463
0141	Poultry farming (meat)	5	12	35	57
0142	Poultry farming (eggs)	7	37	28	85
0151	Pig farming	23	29	26	127
0152	Horse farming	11	3	—	110
0153	Deer farming	12	8	2	40
0159	Livestock farming n.e.c.	21	28	20	162
0161	Sugar cane growing	—	—	—	—
0162	Cotton growing	—	—	—	—
0169	Crop and plant growing n.e.c.	13	7	7	77
Total (ANZSIC Code 01)		2 425	4 080	2 346	13 640
02	Services to agriculture; hunting and trapping	—	2	1	30
03	Forestry and logging	—	—	1	6
04	Commercial fishing	4	—	—	9
Total (ANZSIC Division A)		2 429	4 082	2 348	13 685
All other ANZSIC Divisions		19	20	7	157
Unclassified		—	—	—	145
Total all industries		2 448	4 102	2 355	13 987

		AREA OF ESTABLISHMENT (HECTARES).....				
Industry class		0 to	50 to	100 to	500 to	1,000 to
ANZSIC code	Industry of establishment	49	99	499	999	2,499
		no.	no.	no.	no.	no.
0111	Plant nurseries	129	9	13	1	4
0112	Cut flower and flower seed growing	78	16	29	4	3
0113	Vegetable growing	337	55	137	28	5
0114	Grape growing	201	35	28	4	—
0115	Apple and pear growing	134	31	55	4	—
0116	Stone fruit growing	135	11	17	1	—
0117	Kiwi fruit growing	6	3	—	—	—
0119	Fruit growing n.e.c.	256	21	19	2	1
0121	Grain growing	4	14	104	219	1 062
0122	Grain-sheep/beef cattle farming	6	9	259	692	1 903
0123	Sheep-beef cattle farming	9	34	259	132	121
0124	Sheep farming	52	76	466	433	435
0125	Beef cattle farming	155	327	957	147	119
0130	Dairy cattle farming	6	17	365	57	18
0141	Poultry farming (meat)	50	4	3	—	—
0142	Poultry farming (eggs)	72	4	7	2	—
0151	Pig farming	36	26	35	13	15
0152	Horse farming	45	32	32	—	—
0153	Deer farming	13	5	19	2	1
0159	Livestock farming n.e.c.	83	18	29	15	13
0161	Sugar cane growing	—	—	—	—	—
0162	Cotton growing	—	—	—	—	—
0169	Crop and plant growing n.e.c.	14	15	28	11	9
Total (ANZSIC Code 01)		1 821	762	2 861	1 767	3 709
02	Services to agriculture; hunting and trapping	9	5	10	1	2
03	Forestry and logging	2	1	3	—	—
04	Commercial fishing	3	—	3	—	2
Total (ANZSIC Division A)		1 835	768	2 877	1 768	3 713
All other ANZSIC Divisions		58	17	39	14	16
Unclassified		59	18	32	12	9
Total all industries		1 952	803	2 948	1 794	3 738

AREA OF ESTABLISHMENT (HECTARES).....

Industry class		2,500 to 4,999	5,000 to 9,999	10,000 to 24,999	25,000 to 49,999	50,000 to 99,999
ANZSIC code	Industry of establishment	no.	no.	no.	no.	no.
0111	Plant nurseries	—	—	—	—	—
0112	Cut flower and flower seed growing	—	—	—	—	—
0113	Vegetable growing	2	1	—	1	—
0114	Grape growing	—	—	—	—	—
0115	Apple and pear growing	—	—	—	—	—
0116	Stone fruit growing	—	—	—	—	—
0117	Kiwi fruit growing	—	—	—	—	—
0119	Fruit growing n.e.c.	—	—	—	—	—
0121	Grain growing	975	312	35	4	—
0122	Grain-sheep/beef cattle farming	670	122	22	1	2
0123	Sheep-beef cattle farming	23	10	1	—	2
0124	Sheep farming	75	13	4	9	49
0125	Beef cattle farming	25	11	4	—	11
0130	Dairy cattle farming	—	—	—	—	—
0141	Poultry farming (meat)	—	—	—	—	—
0142	Poultry farming (eggs)	—	—	—	—	—
0151	Pig farming	—	1	1	—	—
0152	Horse farming	—	1	—	—	—
0153	Deer farming	—	—	—	—	—
0159	Livestock farming n.e.c.	3	—	—	—	—
0161	Sugar cane growing	—	—	—	—	—
0162	Cotton growing	—	—	—	—	—
0169	Crop and plant growing n.e.c.	—	—	—	—	—
Total (ANZSIC Code 01)		1 773	471	67	15	64
02	Services to agriculture; hunting and trapping	—	—	—	—	2
03	Forestry and logging	—	—	—	—	—
04	Commercial fishing	1	—	—	—	—
Total (ANZSIC Division A)		1 774	471	67	15	66
All other ANZSIC Divisions		8	—	1	—	2
Unclassified		1	—	1	1	3
Total all industries		1 783	471	69	16	71

AREA OF ESTABLISHMENT (HECTARES)

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	—	—	—	156
0112	Cut flower and flower seed growing	—	—	—	130
0113	Vegetable growing	—	1	—	567
0114	Grape growing	—	—	—	268
0115	Apple and pear growing	—	—	—	224
0116	Stone fruit growing	—	—	—	164
0117	Kiwi fruit growing	—	—	—	9
0119	Fruit growing n.e.c.	—	—	—	299
0121	Grain growing	—	—	—	2 729
0122	Grain-sheep/beef cattle farming	2	—	—	3 688
0123	Sheep-beef cattle farming	10	24	3	628
0124	Sheep farming	85	61	1	1 759
0125	Beef cattle farming	33	99	10	1 898
0130	Dairy cattle farming	—	—	—	463
0141	Poultry farming (meat)	—	—	—	57
0142	Poultry farming (eggs)	—	—	—	85
0151	Pig farming	—	—	—	127
0152	Horse farming	—	—	—	110
0153	Deer farming	—	—	—	40
0159	Livestock farming n.e.c.	—	1	—	162
0161	Sugar cane growing	—	—	—	—
0162	Cotton growing	—	—	—	—
0169	Crop and plant growing n.e.c.	—	—	—	77
Total (ANZSIC Code 01)		130	186	14	13 640
02	Services to agriculture; hunting and trapping	—	1	—	30
03	Forestry and logging	—	—	—	6
04	Commercial fishing	—	—	—	9
Total (ANZSIC Division A)		130	187	14	13 685
All other ANZSIC Divisions		—	2	—	157
Unclassified		5	4	—	145
Total all industries		135	193	14	13 987

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
Perth	3.5	1.8	1.7	2.2
South West	34.6	8.6	3.2	4.5
Lower Great Southern	561.0	121.1	0.1	0.9
Upper Great Southern	1 032.2	192.2	0.1	—
Midlands	2 251.7	573.4	0.6	0.7
South Eastern	437.2	55.2	—	0.1
Central	881.8	349.3	0.4	0.6
Pilbara	—	—	—	—
Kimberley	1.8	2.9	0.3	1.5
Western Australia				
1996	5 203.8	1 304.4	6.3	10.5
1995	4 801.8	1 337.8	6.1	9.3
1994	5 052.4	1 009.2	6.0	10.1

Statistical division	Area of holding	Area of non-agricultural land(b)	Total area (agricultural and non-agricultural land)
	'000 ha	'000 ha	'000 ha
Perth	92.1	453.6	545.7
South West	876.4	1 807.8	2 684.2
Lower Great Southern	2 829.8	1 069.4	3 899.2
Upper Great Southern	3 414.9	1 231.0	4 645.9
Midlands	7 205.3	3 900.0	11 105.3
South Eastern	17 465.6	43 856.6	61 322.2
Central	43 336.9	33 201.2	76 538.1
Pilbara	14 095.3	36 849.7	50 945.0
Kimberley	25 209.2	16 893.5	42 102.7
Western Australia			
1996	114 525.4	139 262.9	253 788.3
1995	113 955.2	139 833.1	253 788.3
1994	114 444.1	139 344.2	253 788.3

(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)
	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
Perth	0.4	1.0	0.1	—	0.1
South West	4.9	6.0	1.1	0.1	4.0
Lower Great Southern	44.2	78.9	20.5	11.7	147.2
Upper Great Southern	87.9	123.1	59.4	29.9	214.4
Midlands	294.7	370.8	230.0	82.8	643.3
South Eastern	6.3	80.1	32.2	8.9	101.3
Central	108.5	98.3	151.9	52.6	328.4
Pilbara	—	—	—	—	—
Kimberley	0.5	—	0.4	0.6	—
Western Australia					
1996	547.3	758.1	495.6	196.6	1 438.7
1995	721.0	n.c.	816.3	130.2	1 685.7

(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
	'000 ha	'000 ha	'000 ha
Perth	0.1	1.5	0.1
South West	2.2	11.2	8.0
Lower Great Southern	28.3	255.1	243.2
Upper Great Southern	51.2	588.6	327.1
Midlands	124.8	1 184.2	921.9
South Eastern	28.8	217.6	116.7
Central	40.2	416.5	448.8
Pilbara	—	—	—
Kimberley	3.4	0.5	—
Western Australia	279.0	2 675.1	2 065.7

Statistical division	CLEARED AGRICULTURAL LAND PLANTED WITH TREES(b).....		SEEDLINGS PLANTED.....			
			For timber/pulp		Other purposes	
	For timber/pulp '000 ha	Other purposes '000 ha	'000	'000 ha	'000	'000 ha
Perth	0.2	0.1	3.3	—	36.6	—
South West	10.0	2.9	389.0	0.2	238.7	0.5
Lower Great Southern	11.9	14.1	3 128.7	2.3	1 022.5	2.3
Upper Great Southern	0.9	5.8	327.9	0.3	924.8	2.9
Midlands	1.0	23.2	276.9	0.2	21 108.5	9.2
South Eastern	0.8	3.2	347.3	0.3	510.7	1.0
Central	0.1	11.8	90.9	0.1	1 003.3	2.4
Pilbara	—	—	—	—	—	—
Kimberley	—	—	—	—	2.0	—
Western Australia	24.9	61.1	4 563.9	3.5	24 847.2	18.3

Statistical division	SEED SOWN		TIMBER HARVESTED	
			Hardwood	Softwood
	kg	'000 ha	tonnes	tonnes
Perth	20.0	—	1.0	—
South West	50.0	—	5 638.0	3 956.0
Lower Great Southern	390.5	0.4	—	250.0
Upper Great Southern	232.0	0.1	—	—
Midlands	3 026.5	2.2	100.0	5.0
South Eastern	133.0	0.1	—	—
Central	685.0	0.4	—	—
Pilbara	—	—	—	—
Kimberley	—	—	—	—
Western Australia	4 537.0	3.2	5 739.0	4 211.0

(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
Perth	8.6	5.7	13.9	16.7	71.6
South West	86.3	686.0	112.1	231.6	603.2
Lower Great Southern	649.6	156.6	570.2	780.4	8 048.7
Upper Great Southern	1 280.6	91.0	259.7	378.5	9 252.9
Midlands	884.6	632.8	815.3	480.4	25 956.7
South Eastern	305.1	87.6	345.0	1 236.5	4 518.1
Central	280.3	404.7	964.1	314.5	1 580.2
Pilbara	—	21.0	46.4	24.0	—
Kimberley	—	46.0	38.5	27.0	402.0
Western Australia	3 495.1	2 131.4	3 165.2	3 489.6	50 433.4

AREA ISOLATED

Statistical division	Saline areas	Other degraded areas	Remnant native vegetation	Planted trees and shrubs	Other
	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
Perth	—	0.1	0.8	1.2	—
South West	1.4	0.2	5.6	1.9	0.2
Lower Great Southern	16.1	3.4	40.6	13.1	3.1
Upper Great Southern	18.9	1.7	25.8	10.3	1.3
Midlands	39.0	4.3	36.0	23.2	3.3
South Eastern	4.7	1.4	16.1	3.7	2.7
Central	15.1	29.7	74.6	7.1	0.2
Pilbara	—	22.7	—	—	—
Kimberley	—	15.5	15.1	—	—
Western Australia	95.1	78.9	214.7	60.4	10.7

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

Statistical division	NITROGENOUS		PHOSPHATIC		POTASSIUM	
	Area	Weight	Area	Weight	Area	Weight
	'000 ha	'000 t	'000 ha	'000 t	'000 ha	'000 t
Perth	11.0	3.6	19.0	5.4	8.1	4.2
South West	61.5	11.4	414.5	75.9	97.8	15.9
Lower Great Southern	335.6	33.1	973.9	116.0	111.8	11.5
Upper Great Southern	552.5	45.9	935.5	103.5	121.4	11.6
Midlands	1 270.0	90.4	1 360.5	133.6	92.9	8.2
South Eastern	152.8	14.6	439.6	45.8	9.1	1.0
Central	635.2	47.5	616.4	64.9	66.5	4.9
Pilbara	—	—	—	—	—	—
Kimberley	4.8	1.4	1.9	0.4	0.2	0.1
Western Australia	3 023.3	247.8	4 761.3	545.6	507.9	57.5

COMPOUND

Statistical division	Area	Weight
	'000 ha	'000 t
Perth	3.4	1.3
South West	23.1	7.1
Lower Great Southern	332.2	38.9
Upper Great Southern	587.8	64.8
Midlands	1 440.3	121.2
South Eastern	269.1	27.0
Central	649.0	59.2
Pilbara	—	—
Kimberley	4.7	1.0
Western Australia	3 309.6	320.6

(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	Weight	Area	Weight	Area	Weight
	'000 ha	'000 t	'000 ha	'000 t	'000 ha	'000 t
Perth	1.2	3.1	0.1	0.1	—	—
South West	16.1	32.5	1.5	0.8	2.1	0.9
Lower Great Southern	21.4	27.6	11.6	5.9	4.4	1.7
Upper Great Southern	7.3	6.4	6.7	3.9	2.0	1.6
Midlands	48.1	48.4	2.8	1.1	1.7	0.4
South Eastern	0.3	0.1	—	—	—	—
Central	36.2	47.4	1.1	0.4	0.1	—
Pilbara	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—
Western Australia	130.7	165.5	23.9	12.1	10.3	4.8

GYPSUM

Statistical division	Area	Weight
	'000 ha	'000 t
Perth	0.2	0.3
South West	6.5	3.4
Lower Great Southern	26.7	20.7
Upper Great Southern	31.9	55.0
Midlands	31.0	50.8
South Eastern	5.8	11.1
Central	9.3	7.1
Pilbara	—	—
Kimberley	—	—
Western Australia	111.6	148.3

(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.

14

MAINTENANCE AND MANAGEMENT OF PASTURES, Year ended 31 March 1996(a)

Statistical division	Top dressing	Weed control	Pest & disease control	Slashing & burning	Total area
	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
Perth	21.5	7.1	1.3	0.2	30.1
South West	371.3	33.7	56.5	3.4	464.9
Lower Great Southern	768.9	210.4	176.4	7.9	1 163.5
Upper Great Southern	629.1	307.7	102.9	6.2	1 045.9
Midlands	548.1	366.1	137.4	10.5	1 062.0
South Eastern	363.2	305.8	51.8	3.8	724.7
Central	224.3	109.2	19.2	2.8	355.5
Pilbara	—	—	—	30.0	30.0
Kimberley	0.8	0.1	0.1	0.2	1.3
Western Australia	2 927.2	1 340.2	545.7	64.9	4 877.9

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

15

IRRIGATION AREA AND SCHEDULING METHOD, Year ended 31 March 1996(a)

Statistical division	Total area irrigated	Evaporation	Tensiometers	Soil probes	Government or commercial	Calendar/rotational	Local knowledge	Other
	'000 ha	no.	no.	no.	no.	no.	no.	no.
Perth	2.6	33	21	6	4	29	329	23
South West	14.1	113	81	23	16	109	517	45
Lower Great Southern	0.5	12	17	2	1	5	76	7
Upper Great Southern	—	—	1	—	—	—	8	1
Midlands	2.5	11	8	8	2	10	65	7
South Eastern	—	—	1	—	—	—	3	—
Central	0.8	7	42	3	—	11	92	7
Pilbara	—	—	—	—	—	—	—	—
Kimberley	6.7	15	5	5	1	9	53	5
Western Australia	27.3	191	176	47	24	173	1 143	95

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

BARLEY

GRAIN SORGHUM

Statistical division	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Perth	—	—	0.8	—	—	—
South West	6.0	14.9	2.5	—	—	—
Lower Great Southern	200.3	439.2	2.2	0.2	0.3	2.4
Upper Great Southern	150.3	289.7	1.9	0.1	0.3	2.0
Midlands	126.4	197.2	1.6	—	—	—
South Eastern	203.8	289.4	1.4	—	—	—
Central	57.8	92.4	1.6	—	—	—
Pilbara	—	—	—	—	—	—
Kimberley	—	—	—	0.1	0.2	3.9
Western Australia						
1996	744.5	1 322.8	1.8	0.4	0.8	2.0
1995	579.1	914.9	1.6	0.5	1.5	3.3
1994	799.3	1 381.4	1.7	0.5	1.5	3.3

MAIZE

OATS

Statistical division	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Perth	—	—	—	0.3	0.7	2.0
South West	—	—	—	11.9	29.3	2.5
Lower Great Southern	—	—	—	72.7	163.3	2.2
Upper Great Southern	—	—	—	118.9	259.4	2.2
Midlands	0.1	—	—	69.8	97.4	1.4
South Eastern	—	—	—	10.9	15.5	1.4
Central	—	—	—	15.8	19.2	1.2
Pilbara	—	—	—	—	—	—
Kimberley	0.5	0.5	1.0	—	—	—
Western Australia						
1996	0.6	0.5	0.9	300.4	584.8	1.9
1995	1.6	11.4	7.0	256.5	424.8	1.7
1994	1.6	14.6	8.9	268.5	511.1	1.9

Statistical division	TRITICALE			WHEAT		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Perth	—	—	—	1.4	1.5	1.0
South West	—	—	1.3	0.6	1.6	2.9
Lower Great Southern	1.4	2.9	2.1	239.5	550.1	2.3
Upper Great Southern	1.4	2.2	1.5	711.1	1 442.6	2.0
Midlands	13.1	13.6	1.0	1 951.5	3 292.2	1.7
South Eastern	0.4	0.8	2.0	200.3	265.4	1.3
Central	0.6	0.8	1.5	787.9	1 273.3	1.6
Pilbara	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—
Western Australia						
1996	16.9	20.4	1.2	3 892.4	6 828.7	1.8
1995	13.6	12.0	0.9	3 848.3	5 437.9	1.4
1994	19.5	22.0	1.1	3 852.4	6 689.3	1.7

CHICK PEAS

FABA BEANS

Statistical division	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Perth	—	—	—	—	—	1.3
South West	—	—	—	—	—	—
Lower Great Southern	1.9	1.4	0.7	2.3	1.9	0.8
Upper Great Southern	5.2	3.4	0.7	4.2	3.8	0.9
Midlands	14.0	10.4	0.7	9.4	10.2	1.1
South Eastern	0.4	0.1	0.4	1.4	1.1	0.8
Central	9.4	9.8	1.0	1.8	3.2	1.8
Pilbara	—	—	—	—	—	—
Kimberley	0.5	1.1	2.3	—	—	—
Western Australia						
1996	31.4	26.3	0.8	19.2	20.2	1.1
1995	13.4	8.1	0.6	23.5	12.0	0.5
1994	3.4	3.4	1.0	3.7	5.8	1.6

FIELD PEAS

LUPINS

Statistical division	Area	Production	Yield	Area	Production	Yield
	'000 ha	'000 t	t/ha	'000 ha	'000 t	t/ha
Perth	—	—	—	0.2	0.5	2.1
South West	—	—	0.5	2.4	3.4	1.4
Lower Great Southern	1.1	1.0	0.9	67.2	81.8	1.2
Upper Great Southern	7.3	7.4	1.0	152.3	159.4	1.0
Midlands	19.4	18.3	0.9	514.5	562.3	1.1
South Eastern	6.1	3.2	0.5	33.1	30.3	0.9
Central	3.6	3.8	1.1	330.6	452.3	1.4
Pilbara	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—
Western Australia						
1996	37.6	33.7	0.9	1 100.3	1 290.0	1.2
1995	42.7	24.2	0.6	1 162.1	982.2	0.9
1994	33.7	30.8	0.9	928.7	1 181.1	1.3

Statistical division	OATS			OTHER CEREALS		
	Area '000 ha	Production '000 t	Yield t/ha	Area '000 ha	Production '000 t	Yield t/ha
Perth	0.7	3.1	4.3	0.1	0.4	4.8
South West	7.7	38.0	4.9	0.3	1.5	5.2
Lower Great Southern	20.6	94.7	4.6	4.8	18.4	3.9
Upper Great Southern	22.1	99.7	4.5	4.5	16.6	3.7
Midlands	37.1	147.6	4.0	12.9	39.5	3.1
South Eastern	9.6	29.8	3.1	2.5	7.0	2.8
Central	8.3	32.6	3.9	2.5	7.5	3.0
Pilbara	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—
Western Australia						
1996	106.2	445.4	4.2	27.5	89.9	3.3
1995	91.5	343.6	3.8	12.6	39.4	3.1
1994	77.7	345.5	4.4	10.1	39.7	3.9

PASTURES

Statistical division	Area	Production	Yield
	'000 ha	'000 t	t/ha
Perth	5.9	20.6	3.5
South West	72.7	280.6	3.9
Lower Great Southern	21.3	81.3	3.8
Upper Great Southern	1.2	4.1	3.3
Midlands	5.6	14.5	2.6
South Eastern	2.4	6.6	2.7
Central	1.9	4.2	2.2
Pilbara	—	—	—
Kimberley	0.4	1.4	3.6
Western Australia			
1996	111.5	413.4	3.7
1995	113.0	404.2	3.6
1994	110.9	427.4	3.9

CANOLA

Statistical division	Area	Production	Yield
	'000 ha	'000 t	t/ha
Perth	—	—	—
South West	2.5	3.8	1.5
Lower Great Southern	45.7	60.9	1.3
Upper Great Southern	22.2	25.7	1.2
Midlands	13.2	11.5	0.9
South Eastern	13.3	12.2	0.9
Central	2.5	2.7	1.1
Pilbara	—	—	—
Kimberley	—	—	—
Western Australia			
1996	99.4	118.9	1.2
1995	104.1	107.9	1.0
1994	35.8	47.3	1.3

GROSS VALUE OF PRINCIPAL CROPS AND PASTURES

	1993-94	1994-95r	1995-96p
	\$m	\$m	\$m
Cereals for grain			
Barley	172.3	179.2	274.3
Oats	45.1	58.7	87.1
Triticale	2.3	1.9	3.7
Wheat	1 156.9	1 307.4	1 835.7
Other	2.9	2.8	1.9
Total	1 379.5	1 550.1	2 202.7
Crops and pastures for hay			
Oats	46.6	51.5	46.0
Other	57.8	83.5	99.5
Legumes for grain			
Lupins	209.1	177.3	227.3
Field peas	6.5	5.9	8.1

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	857	876	701	447	525	278
percentage of total establishments	20.8	21.3	17.0	10.9	12.8	6.8
area (hectares)	25 048.0	61 070	84 141	75 463	122 346	93 894
percentage of total area planted	3.4	8.2	11.3	10.1	16.4	12.6
production (tonnes)	49 031.0	118 349	158 808	139 279	220 695	166 618
percentage of total barley production	3.7	8.9	12.0	10.5	16.7	12.6
Oats						
establishments	1 950	1 212	495	214	162	47
percentage of total establishments	47.4	29.5	12.0	5.2	3.9	1.1
area (hectares)	51 779	83 404	57 290	35 326	36 774	15 497
percentage of total area planted	17.2	27.8	19.1	11.8	12.2	5.2
production (tonnes)	102 412	163 531	111 457	69 681	73 351	29 133
percentage of total oats production	17.5	28.0	19.1	11.9	12.5	5.0
Triticale						
establishments	91	50	25	6	13	4
percentage of total establishments	46.7	25.6	12.8	3.1	6.7	2.1
area (hectares)	1 910	3 428	2 955	934	3 096	1 288
percentage of total area planted	11.3	20.3	17.5	5.5	18.3	7.6
production (tonnes)	3 248	4 225	3 745	912	3 410	1 684
percentage of total triticale production	15.9	20.7	18.4	4.5	16.7	8.3
Wheat for grain						
establishments	379	344	338	314	621	483
percentage of total establishments	6.6	6.0	5.9	5.5	10.9	8.4
area (hectares)	9 812	24 913	40 418	53 396	149 458	165 208
percentage of total area planted	0.3	0.6	1.0	1.4	3.8	4.2
production (tonnes)	22 251	52 641	82 958	107 842	301 167	330 399
percentage of total wheat production	0.3	0.8	1.2	1.6	4.4	4.8

(a) Year ended 31 March 1996.

AREA SOWN (HECTARES)

	400 to 499	500 to 999	1,000 to 1,499	1,500 to 1,999	2,000 and over	Total
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Barley for grain						
establishments	182	208	27	9	4	4 114
percentage of total establishments	4.4	5.1	0.7	0.2	0.1	100.0
area (hectares)	79 326	137 984	30 903	15 673	18 690	744 527
percentage of total area planted	10.7	18.5	4.2	2.1	2.5	100.0
production (tonnes)	144 533	233 367	50 058	20 175	21 898	1 322 812
percentage of total barley production	10.9	17.6	3.8	1.5	1.7	100.0
Oats						
establishments	17	16	1	1	—	4 115
percentage of total establishments	0.4	0.4	—	—	—	100.0
area (hectares)	7 264	10 170	1 254	1 652	—	300 411
percentage of total area planted	2.4	3.4	0.4	0.5	—	100.0
production (tonnes)	12 450	17 555	3 180	2 038	—	584 786
percentage of total oats production	2.1	3.0	0.5	0.3	—	100.0
Triticale						
establishments	2	4	—	—	—	195
percentage of total establishments	1.0	2.1	—	—	—	100.0
area (hectares)	856	2 460	—	—	—	16 927
percentage of total area planted	5.1	14.5	—	—	—	100.0
production (tonnes)	658	2 483	—	—	—	20 365
percentage of total triticale production	3.2	12.2	—	—	—	100.0
Wheat for grain						
establishments	515	1 461	593	323	346	5 717
percentage of total establishments	9.0	25.6	10.4	5.6	6.1	100.0
area (hectares)	224 279	1 026 800	706 429	544 849	946 804	3 892 366
percentage of total area planted	5.8	26.4	18.1	14.0	24.3	100.0
production (tonnes)	431 005	1 909 145	1 236 366	907 337	1 445 608	6 826 721
percentage of total wheat production	6.3	28.0	18.1	13.3	21.2	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>Oats</i> no.	<i>Triticale</i> no.	<i>Wheat</i> no.
Perth	1	—	—	9	—	3
South West	115	—	—	229	1	12
Lower Great Southern	1 080	1	1	1 107	52	752
Upper Great Southern	978	1	—	1 229	13	1 299
Midlands	1 054	—	1	1 082	117	2 347
South Eastern	523	—	—	170	5	414
Central	363	—	—	289	7	890
Pilbara	—	—	—	—	—	—
Kimberley	—	1	6	—	—	—
Western Australia						
1996	4 114	3	8	4 115	195	5 717
1995	3 774	2	14	3 815	125	5 814
1994	4 223	4	15	3 806	182	5 798

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

AREA SOWN OR INTENDED TO BE SOWN IN 1996-97

<i>Statistical division</i>	<i>Barley</i> '000 ha	<i>Field peas</i> '000 ha	<i>Lupins</i> '000 ha	<i>Oats</i> '000 ha	<i>Wheat</i> '000 ha
Perth	—	—	0.1	1.0	0.5
South West	12.6	0.3	2.3	18.2	1.5
Lower Great Southern	253.9	3.1	73.9	90.8	270.4
Upper Great Southern	189.9	9.5	144.3	143.2	808.4
Midlands	155.9	19.7	493.4	96.0	2 058.6
South Eastern	227.3	6.2	33.6	22.3	226.7
Central	69.3	4.8	347.3	25.7	828.7
Pilbara	—	—	—	—	—
Kimberley	—	—	—	—	—
Western Australia	908.9	43.4	1 095.0	397.2	4 194.8

APPLES					LEMONS AND LIMES			
<i>Statistical division</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Perth	103.7	100.4	7 686.8	76.6	1.6	14.1	818.7	58.3
South West	353.6	441.5	30 391.2	68.8	0.5	0.5	9.5	20.7
Lower Great Southern	4.3	8.4	111.0	13.3	—	—	0.3	42.0
Upper Great Southern	0.1	—	—	—	0.1	—	—	—
Midlands	1.0	—	11.4	—	2.1	0.5	48.6	94.3
South Eastern	—	—	—	—	—	—	—	—
Central	—	—	—	—	—	—	0.5	20.0
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	0.1	3.3	40.9
Western Australia								
1996	462.6	550.3	38 200.3	69.4	4.3	15.1	880.9	58.2
1995	495.8	482.3	29 897.7	62.0	4.5	14.6	960.2	65.7
1994	512.2	497.1	44 579.2	89.7	4.3	15.4	1 239.9	80.6

MANDARINS					NASHI			
<i>Statistical division</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Perth	6.0	23.0	582.3	25.3	1.5	1.2	29.0	24.4
South West	15.4	14.8	427.9	28.8	5.2	23.0	321.4	14.0
Lower Great Southern	0.1	—	0.4	—	0.1	—	0.2	5.3
Upper Great Southern	0.2	—	1.1	—	—	—	—	—
Midlands	18.0	16.0	498.6	31.2	—	—	—	—
South Eastern	—	—	—	—	—	—	—	—
Central	0.2	0.6	13.2	22.9	—	—	—	—
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—	—	—
Western Australia								
1996	39.8	54.4	1 523.5	28.0	6.8	24.2	350.6	14.5
1995	37.1	52.9	1 584.6	29.9	15.1	18.4	281.8	17.2
1994	36.0	47.9	1 524.5	31.8	22.1	13.4	282.0	21.1

(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
Perth	4.1	19.9	771.6	38.8	17.9	33.1	3 116.6	94.1
South West	15.9	30.8	1 315.9	42.8	28.4	81.8	6 607.2	80.8
Lower Great Southern	0.2	0.1	2.0	26.5	0.1	0.4	2.6	5.9
Upper Great Southern	0.5	—	2.7	—	0.1	—	—	—
Midlands	23.7	99.9	2 524.8	25.3	—	—	—	—
South Eastern	—	—	—	—	—	—	—	—
Central	0.9	11.8	777.7	65.8	—	—	—	—
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—	—	—
Western Australia								
1996	45.4	162.4	5 394.6	33.2	46.5	115.4	9 726.5	84.3
1995	43.3	159.7	5 165.8	32.3	48.8	111.4	8 613.8	77.4
1994	45.8	175.9	6 294.7	35.8	75.1	103.9	8 585.6	82.6

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

APRICOTS					CHERRIES			
<i>Statistical division</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Perth	2.5	6.3	197.5	31.5	1.0	2.1	7.3	3.5
South West	7.5	4.4	136.3	30.8	15.5	11.9	71.2	6.0
Lower Great Southern	0.5	0.4	7.6	21.5	3.8	3.0	17.4	5.8
Upper Great Southern	0.1	—	2.3	—	0.1	—	0.1	—
Midlands	1.2	1.3	36.3	27.1	—	—	—	—
South Eastern	—	—	—	—	—	—	—	—
Central	0.3	—	1.4	—	—	—	—	—
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—	—	—
Western Australia								
1996	12.1	12.4	381.5	30.8	20.4	16.9	96.0	5.7
1995	9.1	13.4	416.7	31.1	16.8	16.0	65.2	4.1
1994	7.7	13.9	463.2	33.3	17.0	14.2	124.0	8.7

NECTARINES					PEACHES			
<i>Statistical division</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>	<i>Trees under 6 years</i>	<i>Trees 6 years and over</i>	<i>Production</i>	<i>Yield</i>
	'000	'000	tonnes	kg/tree	'000	'000	tonnes	kg/tree
Perth	49.1	28.6	677.6	23.7	47.5	45.6	1 183.8	26.0
South West	73.3	52.6	1 626.3	30.9	23.5	20.8	619.1	29.7
Lower Great Southern	0.3	0.4	3.9	11.1	0.5	0.7	4.9	7.5
Upper Great Southern	0.2	—	2.4	—	0.1	—	0.5	—
Midlands	8.8	6.4	222.6	34.6	14.9	7.9	158.6	20.0
South Eastern	—	—	—	—	—	—	—	—
Central	8.2	0.7	53.4	81.9	11.5	0.7	75.9	116.1
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—	—	—
Western Australia								
1996	140.0	88.7	2 586.3	29.2	97.9	75.6	2 042.8	27.0
1995	130.8	84.1	2 199.9	26.2	97.7	70.7	1 888.8	26.7
1994	125.9	62.0	2 002.2	32.3	87.2	72.4	2 238.7	30.9

(a) For footnote see end of table.

PLUMS AND PRUNES

Statistical division	Trees under 6 years	Trees 6 years and over	Production	Yield
	'000	'000	tonnes	kg/tree
Perth	49.7	73.1	2 179.4	29.8
South West	99.5	67.2	1 280.6	19.1
Lower Great Southern	0.4	0.3	3.3	11.0
Upper Great Southern	0.3	—	0.9	—
Midlands	2.6	1.1	9.6	9.2
South Eastern	—	—	—	—
Central	4.6	0.5	11.8	23.6
Pilbara	—	—	—	—
Kimberley	—	—	—	—
Western Australia				
1996	157.0	142.2	3 485.6	24.5
1995	122.3	129.5	3 285.0	25.4
1994	128.2	117.1	3 413.8	29.2

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

Statistical division	BANANAS				KIWI FRUIT			
	Area not yet bearing ha	Area of bearing age ha	Production tonnes	Yield t/ha	Area not yet bearing ha	Area of bearing age ha	Production tonnes	Yield t/ha
Perth	—	—	—	—	—	5.9	40.9	6.9
South West	—	—	—	—	—	19.4	327.8	16.9
Lower Great Southern	—	—	—	—	—	2.1	8.0	3.8
Upper Great Southern	—	—	—	—	—	—	—	—
Midlands	—	—	—	—	—	—	—	—
South Eastern	—	—	—	—	—	—	—	—
Central	54.8	261.3	7 870.6	30.1	—	—	—	—
Pilbara	—	—	—	—	—	—	—	—
Kimberley	35.4	119.6	4 116.8	34.4	—	—	—	—
Western Australia								
1996	90.2	380.9	11 987.4	31.6	—	27.4	376.7	13.7
1995	95.0	396.0	13 012.3	32.9	1.0	30.6	394.0	12.9
1994	79.3	545.4	18 602.6	34.1	4.0	33.2	302.4	9.1

Statistical division	PAPAWS.....				STRAWBERRIES..			
	Area not yet bearing ha	Area of bearing age ha	Production tonnes	Yield t/ha	Area not yet bearing ha	Area of bearing age ha	Production tonnes	Yield t/ha
Perth	—	—	—	—	13.6	83.3	2 194.2	26.3
South West	—	—	—	—	—	0.9	10.0	11.1
Lower Great Southern	—	—	—	—	5.0	12.3	432.6	35.2
Upper Great Southern	—	—	—	—	—	—	—	—
Midlands	—	—	—	—	—	—	—	—
South Eastern	—	—	—	—	—	—	—	—
Central	1.2	15.4	46.9	3.0	—	0.8	12.0	15.0
Pilbara	—	—	—	—	—	—	—	—
Kimberley	4.1	3.3	89.0	27.0	—	—	—	—
Western Australia								
1996	5.3	18.7	135.9	7.3	18.6	97.3	2 648.8	27.2
1995	2.7	10.0	88.8	8.9	11.0	100.2	2 070.3	20.7
1994	n.c.	n.c.	n.c.	n.a.	15.6	121.6	2 287.8	18.8

Statistical division	AVOCADOS.....				MANGOES			
	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
Perth	2.8	20.2	724.9	35.8	1.2	0.2	7.8	45.5
South West	12.4	9.6	494.7	51.5	0.3	—	2.4	n.p.
Lower Great Southern	0.5	0.4	1.4	3.5	—	—	—	—
Upper Great Southern	0.1	—	0.7	24.4	—	0.1	2.8	35.6
Midlands	0.4	9.8	216.2	22.0	5.4	0.8	23.2	30.2
South Eastern	—	—	—	—	—	—	—	—
Central	1.8	2.0	48.5	23.8	16.3	14.5	889.4	61.1
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	0.3	24.4	18.3	9.2	332.1	36.0
Western Australia								
1996	17.8	42.1	1 486.7	35.3	41.5	24.8	1 257.7	50.7
1995	18.9	39.1	1 209.1	30.9	31.0	21.4	1 070.4	50.1
1994	15.7	29.8	859.3	28.8	25.4	17.6	806.7	45.8

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

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GROSS VALUE OF CITRUS, POME AND OTHER FRUIT

	1993-94	1994-95r	1995-96p
	\$m	\$m	\$m
Apples	32.1	23.7	36.0
Apricots	0.6	0.9	0.9
Avocados	2.6	3.4	4.5
Bananas	18.9	16.8	15.4
Cherries	0.8	0.8	1.1
Grapes	17.6	18.0	22.3
Lemons and limes	0.8	0.5	0.7
Mandarins	2.0	1.9	2.0
Nectarines	4.3	6.4	5.3
Oranges	2.7	1.9	3.1
Papaws	0.2	0.1	0.2
Peaches	2.8	2.0	2.9
Pears (excluding nashi)	15.9	6.5	6.9
Plums and prunes	3.9	5.6	6.8
Strawberries	9.9	11.7	13.7
Other, including nuts	14.3	5.9	7.7
Total	1109.4	106.1	129.5

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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 & other	Total
	ha	ha					
Perth	58.8	20.5	711.0	2 849.9	544.5	2 513.0	5 907.4
South West	298.1	305.9	1 192.3	8 181.4	—	332.9	8 514.3
Lower Great Southern	22.6	28.5	504.2	4 316.2	—	0.2	4 316.4
Upper Great Southern	3.5	0.4	17.0	46.2	—	—	46.2
Midlands	62.1	23.9	341.9	1 827.3	853.8	183.3	2 864.4
South Eastern	0.7	1.2	1.8	12.7	—	—	12.7
Central	9.5	5.1	34.8	—	—	258.2	258.2
Pilbara	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—	—
Western Australia							
1996	453.3	385.5	2 803.0	17 233.7	1 398.3	3 287.6	21 919.6
1995r	197.1	187.0	2 887.0	12 848.0	1 487.0	2 740.4	17 073.4
1994r	168.7	110.9	2 800.0	13 492.0	1 261.0	2 581.3	17 314.3

	Units	1994	1995	1996
Asparagus(a)				
area	ha	33.2	43.7	37.6
production	t	81.6	91.8	94.5
Beans — French and runner				
area	ha	199.4	212.9	190.1
production	t	1 528.6	1 269.3	1 168.4
yield	t/ha	7.7	6.0	6.1
Beetroot				
area	ha	4.6	7.8	30.8
production	t	104.1	118.7	316.5
yield	t/ha	22.6	15.2	10.3
Broccoli				
area	ha	350.9	286.0	321.5
production	t	3 207.5	2 713.1	3 320.3
yield	t/ha	9.1	9.5	10.3
Brussel sprouts				
area	ha	5.0	5.4	3.3
production	t	46.0	43.7	67.7
yield	t/ha	9.2	8.1	20.5
Cabbages				
area	ha	134.1	158.2	178.9
production	t	6 288.3	7 450.6	6 843.3
yield	t/ha	46.9	47.1	38.3
Capsicums, chillies and peppers				
area	ha	119.4	146.0	143.6
production	t	2 295.8	2 307.8	2 080.6
yield	t/ha	19.2	15.8	14.5
Carrots				
area	ha	814.4	826.0	1 003.5
production	t	42 756.9	44 672.7	45 369.0
yield	t/ha	52.5	53.4	45.2
Cauliflowers				
area	ha	902.6	1 020.5	1 191.5
production	t	14 066.4	15 676.2	19 199.7
yield	t/ha	15.6	15.4	16.1
Celery				
area	ha	117.9	77.1	136.4
production	t	6 282.1	4 967.3	6 913.0
yield	t/ha	53.3	64.4	50.7
Chinese cabbages				
area	ha	132.9	105.5	109.4
production	t	4 821.3	3 198.2	3 260.2
yield	t/ha	36.3	30.3	29.8
Cucumbers				
area	ha	102.7	93.1	91.1
production	t	1 521.5	1 298.2	1 821.2
yield	t/ha	14.8	13.9	20.0
Green peas (pod weight)				
area	ha	1 112.0	667.0	632.6
production	t	2 836.8	1 749.8	3 402.9
yield	t/ha	2.6	2.6	5.4
Leeks				
area	ha	6.3	11.9	9.3
production	t	131.0	175.5	228.3
yield	t/ha	20.8	14.7	24.5
Lettuces				
area	ha	408.4	434.1	376.6
production	t	15 877.5	13 545.4	12 035.1
yield	t/ha	38.9	31.2	32.0
Marrows and squashes				
area	ha	17.2	28.6	37.7
production	t	57.4	162.2	178.6
yield	t/ha	3.3	5.7	4.7

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

	Units	1994	1995	1996
Melons — rock and cantaloupe				
area	ha	545.2	526.7	597.3
production	t	8 253.2	8 294.1	22 142.1
yield	t/ha	15.1	15.7	37.1
Melons — water				
area	ha	468.1	638.9	600.8
production	t	11 512.0	15 674.2	16 328.6
yield	t/ha	24.6	24.5	27.2
Mushrooms				
area	ha	9.4	10.2	5.1
production	t	1 158.5	1 284.7	972.0
yield	t/ha	123.2	126.0	190.6
Onions — white and brown				
area	ha	376.8	398.0	477.6
production	t	22 479.8	22 691.1	27 191.0
yield	t/ha	59.7	57.0	56.9
Parsley				
area	ha	3.1	3.5	2.5
production	t	44.5	20.9	13.6
yield	t/ha	14.4	6.0	5.4
Parsnips				
area	ha	48.4	58.0	50.0
production	t	962.3	917.1	786.9
yield	t/ha	19.9	15.8	15.7
Potatoes				
area	ha	2 720.4	2 553.0	2 836.0
production	t	111 812.6	103 572.5	121 546.1
yield	t/ha	41.1	40.6	42.9
Pumpkins				
area	ha	535.4	511.6	668.2
production	t	9 534.8	9 152.2	12 507.1
yield	t/ha	17.8	17.9	18.7
Snow peas				
area	ha	2.7	4.3	6.3
production	t	2.0	2.3	15.0
yield	t/ha	0.7	0.5	2.4
Spring onions				
area	ha	20.4	13.9	11.4
production	t	673.6	536.6	466.0
yield	t/ha	33.0	38.6	40.9
Swedes				
area	ha	16.6	13.5	14.8
production	t	245.1	212.8	228.4
yield	t/ha	14.8	15.8	15.4
Sweet corn				
area	ha	72.5	86.6	167.5
production	t	742.4	1 168.0	1 454.2
yield	t/ha	10.2	13.5	8.7
Sweet potatoes				
area	ha	9.7	22.3	29.7
production	t	134.2	301.9	572.1
yield	t/ha	13.8	13.5	19.3
Tomatoes				
area	ha	225.0	192.7	198.1
production	t	8 193.8	7 693.6	8 968.7
yield	t/ha	36.4	39.9	45.3
Zucchini				
area	ha	60.7	67.5	65.8
production	t	521.2	608.9	717.5
yield	t/ha	8.6	9.0	10.9

	Units	Perth	South West	Lower Great Southern	Upper Great Southern	Midlands
Asparagus(a)						
area	ha	1.9	11.5	5.6	—	6.0
production	t	5.4	24.5	23.7	—	9.7
Beans — French and runner						
area	ha	10.9	49.5	16.7	—	—
production	t	52.5	531.7	157.9	—	—
yield	t/ha	4.8	10.7	9.5	—	—
Beetroot						
area	ha	5.8	25.0	—	—	—
production	t	66.5	250.0	—	—	—
yield	t/ha	11.5	10.0	—	—	—
Broccoli						
area	ha	197.2	80.0	38.1	0.4	5.2
production	t	2 397.4	570.9	291.8	6.0	49.8
yield	t/ha	12.2	7.1	7.7	15.0	9.6
Brussel sprouts						
area	ha	0.7	2.6	—	—	—
production	t	9.5	58.2	—	—	—
yield	t/ha	13.6	22.4	—	—	—
Cabbages						
area	ha	126.2	49.9	1.4	—	0.3
production	t	5 045.8	1 761.5	4.0	—	12.9
yield	t/ha	40.0	35.3	2.9	—	43.0
Capsicums, chillies and peppers						
area	ha	50.7	2.6	0.1	—	0.1
production	t	635.5	29.4	1.8	—	0.1
yield	t/ha	12.5	11.3	18.0	—	1.0
Carrots						
area	ha	416.4	119.7	2.0	—	447.3
production	t	16 297.5	7 620.5	30.0	—	20 418.0
yield	t/ha	39.1	63.7	15.0	—	45.6
Cauliflowers						
area	ha	191.0	902.7	59.6	9.6	28.0
production	t	4 034.2	13 706.6	801.4	94.0	563.0
yield	t/ha	21.1	15.2	13.4	9.8	20.1
Celery						
area	ha	44.5	91.9	—	—	—
production	t	2 823.8	4 089.2	—	—	—
yield	t/ha	63.5	44.5	—	—	—
Chinese cabbages						
area	ha	67.2	42.0	—	—	—
production	t	2 103.7	1 140.0	—	—	—
yield	t/ha	31.3	27.1	—	—	—
Cucumbers						
area	ha	21.0	3.2	0.5	—	1.6
production	t	825.1	49.9	9.3	—	22.4
yield	t/ha	39.3	15.6	18.6	—	14.0
Green peas (pod weight)						
area	ha	3.5	3.2	622.6	—	0.5
production	t	5.9	1.6	3 381.8	—	5.1
yield	t/ha	1.7	0.5	5.4	—	10.2
Leeks						
area	ha	8.9	0.3	0.2	—	—
production	t	219.8	4.5	4.0	—	—
yield	t/ha	24.7	15.0	20.0	—	—
Lettuces						
area	ha	332.6	7.4	5.5	—	30.8
production	t	11 006.5	214.2	92.0	—	718.8
yield	t/ha	33.1	28.9	16.7	—	23.3
Marrows and squashes						
area	ha	6.1	—	1.2	—	2.8
production	t	24.5	—	13.8	—	12.0
yield	t/ha	4.0	—	11.5	—	4.3

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

	Units	South Eastern	Central	Pilbara	Kimberley
Asparagus(a)					
area	ha	—	9.6	—	3.0
production	t	—	30.9	—	0.3
Beans — French and runner					
area	ha	—	32.9	—	80.1
production	t	—	195.7	—	230.5
yield	t/ha	—	5.9	—	2.9
Beetroot					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Broccoli					
area	ha	—	0.5	—	0.1
production	t	—	4.0	—	0.3
yield	t/ha	—	8.0	—	3.0
Brussel sprouts					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Cabbages					
area	ha	—	1.0	—	0.1
production	t	—	18.1	—	1.0
yield	t/ha	—	18.1	—	10.0
Capsicums, chillies and peppers					
area	ha	—	90.0	—	0.1
production	t	—	1 413.6	—	0.2
yield	t/ha	—	15.7	—	2.0
Carrots					
area	ha	—	18.0	—	0.1
production	t	—	1 000.0	—	3.0
yield	t/ha	—	55.6	—	30.0
Cauliflowers					
area	ha	—	0.5	—	0.1
production	t	—	—	—	0.5
yield	t/ha	—	—	—	5.0
Celery					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Chinese cabbages					
area	ha	—	0.2	—	—
production	t	—	16.5	—	—
yield	t/ha	—	82.5	—	—
Cucumbers					
area	ha	—	54.9	—	9.9
production	t	—	763.8	—	150.7
yield	t/ha	—	13.9	—	15.2
Green peas (pod weight)					
area	ha	—	2.8	—	—
production	t	—	8.6	—	—
yield	t/ha	—	3.1	—	—
Leeks					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Lettuces					
area	ha	—	0.1	—	0.2
production	t	—	2.6	—	1.0
yield	t/ha	—	26.0	—	5.0
Marrows and squashes					
area	ha	—	5.5	—	22.1
production	t	—	36.2	—	92.2
yield	t/ha	—	6.6	—	4.2

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

	Units	Perth	South West	Lower Great Southern	Upper Great Southern	Midlands
Melons — rock and cantaloupe						
area	ha	31.0	8.5	—	—	16.9
production	t	439.1	151.8	—	—	303.7
yield	t/ha	14.2	17.9	—	—	18.0
Melons — water						
area	ha	36.9	70.8	0.1	—	9.2
production	t	818.9	2 018.8	0.5	—	224.2
yield	t/ha	22.2	28.5	5.0	—	24.4
Mushrooms						
area	ha	5.1	—	—	—	—
production	t	972.0	—	—	—	—
yield	t/ha	190.6	—	—	—	—
Onions — white and brown						
area	ha	147.8	263.2	—	—	54.5
production	t	7 763.0	14 840.0	—	—	3 685.0
yield	t/ha	52.5	56.4	—	—	67.6
Parsley						
area	ha	2.3	0.1	—	—	—
production	t	13.0	0.5	—	—	—
yield	t/ha	5.7	5.0	—	—	—
Parsnips						
area	ha	49.5	—	0.5	—	—
production	t	780.9	—	6.0	—	—
yield	t/ha	15.8	—	12.0	—	—
Potatoes						
area	ha	228.0	2 431.3	111.3	—	55.0
production	t	9 506.3	106 469.7	3 401.7	—	2 091.0
yield	t/ha	41.7	43.8	30.6	—	38.0
Pumpkins						
area	ha	59.5	152.0	6.2	0.4	17.8
production	t	1 350.5	2 404.7	98.8	8.0	266.7
yield	t/ha	22.7	15.8	15.9	20.0	15.0
Snow peas						
area	ha	2.6	3.0	0.7	—	—
production	t	12.0	1.0	2.0	—	—
yield	t/ha	4.6	0.3	2.9	—	—
Spring onions						
area	ha	11.1	0.2	—	—	—
production	t	465.5	—	—	—	—
yield	t/ha	41.9	—	—	—	—
Swedes						
area	ha	4.9	7.2	0.6	—	2.1
production	t	88.4	119.0	6.0	—	15.0
yield	t/ha	18.0	16.5	10.0	—	7.1
Sweet corn						
area	ha	43.3	64.7	6.8	—	13.5
production	t	241.8	596.8	81.7	—	182.5
yield	t/ha	5.6	9.2	12.0	—	13.5
Sweet potatoes						
area	ha	8.3	—	—	—	—
production	t	201.4	—	—	—	—
yield	t/ha	24.3	—	—	—	—
Tomatoes						
area	ha	45.5	36.2	1.2	0.2	1.1
production	t	2 253.7	1 663.8	55.1	7.5	33.5
yield	t/ha	49.5	46.0	45.9	37.5	30.5
Zucchini						
area	ha	13.5	3.3	0.1	—	3.1
production	t	100.7	34.8	1.0	—	31.6
yield	t/ha	7.5	10.5	10.0	—	10.2

	Units	South Eastern	Central	Pilbara	Kimberley
Melons — rock and cantaloupe					
area	ha	—	61.8	—	479.1
production	t	—	1 147.5	—	20 100.0
yield	t/ha	—	18.6	—	42.0
Melons — water					
area	ha	—	72.5	—	411.3
production	t	—	1 509.5	—	11 756.7
yield	t/ha	—	20.8	—	28.6
Mushrooms					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Onions — white and brown					
area	ha	—	12.0	—	0.1
production	t	—	900.0	—	3.0
yield	t/ha	—	75.0	—	30.0
Parsley					
area	ha	—	—	—	0.1
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Parsnips					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Potatoes					
area	ha	—	0.4	—	10.0
production	t	—	16.9	—	60.5
yield	t/ha	—	42.3	—	6.1
Pumpkins					
area	ha	—	42.2	—	390.1
production	t	—	575.9	—	7 802.5
yield	t/ha	—	13.6	—	20.0
Snow peas					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Spring onions					
area	ha	—	—	—	0.1
production	t	—	—	—	0.5
yield	t/ha	—	—	—	5.0
Swedes					
area	ha	—	—	—	—
production	t	—	—	—	—
yield	t/ha	—	—	—	—
Sweet corn					
area	ha	—	22.2	—	17.0
production	t	—	210.4	—	141.0
yield	t/ha	—	9.5	—	8.3
Sweet potatoes					
area	ha	—	1.4	—	20.0
production	t	—	10.7	—	360.0
yield	t/ha	—	7.6	—	18.0
Tomatoes					
area	ha	—	112.1	—	1.8
production	t	—	4 930.3	—	24.8
yield	t/ha	—	44.0	—	13.8
Zucchini					
area	ha	—	21.7	—	24.1
production	t	—	248.4	—	300.9
yield	t/ha	—	11.4	—	12.5

	1993-94	1994-95r	1995-96p
	\$m	\$m	\$m
Asparagus	0.4	0.8	2.5
Beans — French and runner	2.2	1.6	1.5
Beetroot	0.1	0.1	0.4
Broccoli	2.3	2.0	3.0
Cabbages and brussel sprouts	2.6	2.1	4.0
Capsicums, chillies and peppers	5.2	4.3	5.0
Carrots	23.8	31.1	28.6
Cauliflowers	15.3	19.5	23.4
Celery	3.2	3.0	3.8
Cucumbers	1.6	1.5	3.1
Lettuces	5.5	7.9	7.5
Marrows and squashes	0.2	0.3	0.5
Melons — rock and cantaloupe	5.3	6.7	18.9
Melons — water	3.8	4.9	5.1
Mushrooms	5.2	5.2	4.3
Onions — white and brown	6.0	9.3	16.1
Parsnips	0.9	1.5	1.4
Potatoes	33.8	37.3	43.0
Pumpkins	3.8	4.7	5.2
Sweet corn	0.8	1.2	1.5
Tomatoes	8.5	8.6	8.1
Zucchini	0.7	0.8	1.3
Other vegetables	7.8	7.3	4.9
Total	139.0	161.7	193.1

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

	Nurseries		Cut flowers		Cultivated turf		Total
	ha	ha	ha	ha	ha	ha	
Perth	359.3		140.5		134.2		634.0
South West	138.6		212.6		40.5		391.7
Lower Great Southern	127.3		336.0		0.5		463.8
Upper Great Southern	1.3		36.0		—		37.3
Midlands	81.3		325.0		8.0		414.3
South Eastern	0.6		2.2		—		2.8
Central	2.7		152.6		5.0		160.3
Pilbara	—		—		—		—
Kimberley	5.6		—		—		5.6
Western Australia							
1996	716.7		1 204.9		188.2		2 109.8
1995	576.9		1 342.1		149.3		2 068.3

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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
Perth	220 253	148 881	112 921	162 382	333 174	311 263
South West	46 858	18 462	6 450	10 000	53 308	28 462
Lower Great Southern	5 535	2 320	27 315	3 272	32 850	5 592
Upper Great Southern	280	—	—	—	280	—
Midlands	11 322	466	—	—	11 322	466
South Eastern	630	60	—	—	630	60
Central	10 576	2 360	3 265	2 630	13 841	4 990
Pilbara	—	—	—	—	—	—
Kimberley	8 230	—	—	—	8 230	—
Western Australia	303 684	172 549	149 951	178 284	453 635	350 833

<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
Perth	5 544.1	37 909.0	11 640.0
South West	537.7	3 150.7	1 925.9
Lower Great Southern	241.6	930.5	219.0
Upper Great Southern	103.6	305.2	115.1
Midlands	78.0	932.2	3 003.6
South Eastern	7.6	47.7	—
Central	132.1	400.3	1 879.2
Pilbara	—	—	—
Kimberley	139.6	453.8	—
Western Australia	6 784.2	44 129.0	18 782.8

(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	%
Perth	0.8	13.5	7.5	5.3	27.1	1.5
South West	8.2	172.7	109.0	105.3	395.3	21.9
Lower Great Southern	5.9	118.3	65.9	32.2	222.3	12.3
Upper Great Southern	1.2	22.7	12.6	6.6	43.2	2.4
Midlands	4.0	76.2	40.7	25.1	146.0	8.1
South Eastern	3.7	71.3	40.4	16.9	132.2	7.3
Central	3.2	82.2	36.4	30.3	152.1	8.4
Pilbara	4.2	86.9	39.1	33.0	163.2	9.1
Kimberley	15.9	290.6	95.4	119.6	521.5	28.9
Western Australia						
1996	47.2	934.4	446.9	374.3	1 802.8	100.0
1995	46.8	945.9	434.1	346.2	1 773.1	100.0
1994	45.1	950.5	398.5	288.4	1 682.5	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 establishments with meat cattle</i>
	no.	no.	no.	no.	no.	%
Perth	170	198	182	125	231	4.5
South West	1 481	1 611	1 537	1 426	2 037	39.8
Lower Great Southern	908	1 003	905	620	1 063	20.8
Upper Great Southern	257	306	268	163	321	6.3
Midlands	612	701	619	387	751	14.7
South Eastern	228	258	217	115	266	5.2
Central	257	289	257	191	302	5.9
Pilbara	50	50	49	52	52	1.0
Kimberley	79	85	79	90	92	1.8
Western Australia						
1996	4 042	4 501	4 113	3 169	5 115	100.0
1995	4 058	4 421	4 114	3 040	5 061	100.0
1994	4 061	4 495	3 997	2 523	5 121	100.0

Herd size	1995		1996	
	<i>Establishments</i>	<i>Percentage of establishments with meat cattle</i>	<i>Establishments</i>	<i>Percentage of establishments with meat cattle</i>
	no.	%	no.	%
1-29	768	15.2	717	14.0
30-49	525	10.4	514	10.0
50-69	490	9.7	518	10.1
70-99	580	11.5	560	10.9
100-149	699	13.8	748	14.6
150-199	459	9.1	453	8.9
200-299	547	10.8	553	10.8
300-399	257	5.1	282	5.5
400-499	171	3.4	202	3.9
500-699	181	3.6	165	3.2
700-999	130	2.6	139	2.7
1 000-1 499	88	1.7	91	1.8
1 500-1 999	41	0.8	42	0.8
2 000-4 999	73	1.4	83	1.6
5 000-9 999	32	0.6	27	0.5
10 000 and over	20	0.4	21	0.4
Total	5 061	100.0	5 115	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	11.2	0.6	11.1	0.6
30-49	20.7	1.2	20.0	1.1
50-69	29.0	1.6	30.8	1.7
70-99	48.3	2.7	46.5	2.6
100-149	85.6	4.8	91.1	5.0
150-199	79.4	4.5	77.9	4.3
200-299	133.2	7.5	133.7	7.4
300-399	88.6	5.0	96.4	5.3
400-499	75.3	4.2	88.9	4.9
500-699	106.9	6.0	96.3	5.3
700-999	108.2	6.1	113.1	6.3
1 000-1 499	105.6	6.0	110.0	6.1
1 500-1 999	70.7	4.0	70.2	3.9
2 000-4 999	219.0	12.4	266.0	14.8
5 000-9 999	215.8	12.2	185.3	10.3
10 000 and over	375.6	21.2	365.6	20.3
Total	1 773.1	100.0	1 802.8	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	%
Perth	3.7	1.7	5.4	4.5
South West	62.7	45.3	108.0	89.3
Lower Great Southern	3.9	2.6	6.5	5.4
Upper Great Southern	0.1	0.1	0.2	0.2
Midlands	0.1	0.1	0.2	0.2
South Eastern	—	—	—	—
Central	—	—	—	—
Pilbara	—	—	—	—
Kimberley	0.3	0.1	0.5	0.4
Western Australia				
1996	70.9	49.9	120.9	100.0
1995	73.2	52.8	126.0	100.0
1994	73.8	49.3	123.0	100.0

(a) Excludes house cows.

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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 establishments with milk cattle
	no.	no.	no.	%
Perth	20	18	20	3.9
South West	427	407	442	85.5
Lower Great Southern	30	25	33	6.4
Upper Great Southern	3	5	6	1.2
Midlands	7	6	12	2.3
South Eastern	2	3	3	0.6
Central	—	—	—	—
Pilbara	—	—	—	—
Kimberley	1	1	1	0.2
Western Australia				
1996	490	465	517	100.0
1995	546	532	582	100.0
1994	591	616	667	100.0

(a) Excludes establishments with house cows.

Herd size	1995		1996	
	<i>Establishments</i>	<i>Percentage of establishments with milk cattle</i>	<i>Establishments</i>	<i>Percentage of establishments with milk cattle</i>
	no.	%	no.	%
1-49	88	15.1	50	9.7
50-99	43	7.4	45	8.7
100-149	86	14.8	64	12.4
150-199	79	13.6	92	17.8
200-249	93	16.0	68	13.2
250-299	56	9.6	59	11.4
300-349	45	7.7	41	7.9
350-399	31	5.3	28	5.4
400-499	27	4.6	36	7.0
500 and over	34	5.8	34	6.6
Total	582	100.0	517	100.0

Herd size	1995		1996	
	<i>Number of milk cattle</i>	<i>Percentage of total milk cattle</i>	<i>Number of milk cattle</i>	<i>Percentage of total milk cattle</i>
	'000	%	'000	%
1-49	1.7	1.3	0.7	0.6
50-99	3.2	2.5	3.3	2.7
100-149	10.9	8.7	8.0	6.6
150-199	13.6	10.8	15.8	13.1
200-249	20.5	16.3	15.1	12.5
250-299	15.1	12.0	15.9	13.2
300-349	14.5	11.5	13.1	10.8
350-399	11.6	9.2	10.2	8.4
400-499	12.1	9.6	15.8	13.1
500 and over	22.8	18.1	22.9	18.9
Total	126.0	100.0	120.9	100.0

(a) Excludes establishments with house cows.

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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> '000	<i>Lambs and hoggets (under 1 year)</i> '000	<i>All other sheep</i> '000	<i>Total sheep and lambs</i> '000	<i>Percentage of total sheep flock</i> %
Perth	24.1	16.1	16.6	56.8	0.2
South West	710.8	339.4	495.9	1 546.0	5.2
Lower Great Southern	3 191.6	1 757.0	2 200.7	7 149.3	24.0
Upper Great Southern	3 089.6	1 845.1	1 840.2	6 774.9	22.7
Midlands	3 499.5	1 890.7	1 598.0	6 988.1	23.4
South Eastern	1 538.5	781.6	657.2	2 977.2	10.0
Central	1 997.8	1 079.2	1 048.2	4 125.1	13.8
Pilbara	112.4	47.6	56.5	216.6	0.7
Kimberley	—	—	—	—	—
Western Australia					
1996	14 164.2	7 756.6	7 913.2	29 834.0	100.0
1995	n.c.	6 864.4	n.c.	30 217.9	100.0
1994	n.c.	7 513.8	n.c.	31 951.5	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> no.	<i>Lambs and hoggets (under 1 year)</i> no.	<i>All other sheep</i> no.	<i>Total sheep and lambs</i> no.	<i>Percentage of total establishments with sheep and lambs</i> %
Perth	73	63	93	107	1.2
South West	664	568	728	783	8.8
Lower Great Southern	1 748	1 636	1 871	1 938	21.7
Upper Great Southern	1 657	1 619	1 681	1 747	19.6
Midlands	2 428	2 292	2 449	2 626	29.4
South Eastern	617	572	614	654	7.3
Central	985	941	1 001	1 056	11.8
Pilbara	19	19	18	19	0.2
Kimberley	—	—	—	—	—
Western Australia					
1996	8 191	7 710	8 455	8 930	100.0
1995	n.c.	7 262	n.c.	9 021	100.0
1994	n.c.	7 855	n.c.	9 600	100.0

Flock size	1995		1996	
	Establishments	Percentage of establishments with sheep and lambs	Establishments	Percentage of establishments with sheep and lambs
	no.	%	no.	%
1-499	1 083	12.0	1 023	11.5
500-999	791	8.8	787	8.8
1 000-1 499	912	10.1	858	9.6
1 500-1 999	912	10.1	909	10.2
2 000-2 499	893	9.9	900	10.1
2 500-2 999	729	8.1	796	8.9
3 000-3 999	1 185	13.1	1 166	13.1
4 000-4 999	777	8.6	747	8.4
5 000-5 999	507	5.6	545	6.1
6 000-6 999	339	3.8	353	4.0
7 000-7 999	205	2.3	211	2.4
8 000-8 999	170	1.9	135	1.5
9 000-9 999	104	1.2	112	1.3
10 000 and over	414	4.6	388	4.3
Total	9 021	100.0	8 930	100.0

Flock size	1995		1996	
	Number of sheep and lambs	Percentage of total sheep and lambs	Number of sheep and lambs	Percentage of total sheep and lambs
	'000	%	'000	%
1-499	220.9	0.7	228.8	0.8
500-999	585.9	1.9	584.7	2.0
1 000-1 499	1 137.1	3.8	1 071.4	3.6
1 500-1 999	1 579.1	5.2	1 577.5	5.3
2 000-2 499	1 991.2	6.6	2 002.9	6.7
2 500-2 999	1 983.7	6.6	2 173.0	7.3
3 000-3 999	4 067.9	13.5	4 023.0	13.5
4 000-4 999	3 453.7	11.4	3 322.3	11.1
5 000-5 999	2 743.2	9.1	2 956.6	9.9
6 000-6 999	2 172.2	7.2	2 272.1	7.8
7 000-7 999	1 520.2	5.0	1 567.0	5.3
8 000-8 999	1 433.3	4.7	1 139.0	3.8
9 000-9 999	981.4	3.2	1 054.9	3.5
10 000 and over	6 348.0	21.0	5 860.7	19.6
Total	30 217.9	100.0	29 834.0	100.0

EWES EXPECTED 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
Perth	19.3	14.3	74.1	8.5	12.4	20.9
South West	639.2	491.7	76.9	418.3	266.7	685.0
Lower Great Southern	2 961.9	2 178.8	73.6	2 354.0	630.5	2 984.5
Upper Great Southern	2 927.1	2 206.2	75.4	2 546.2	413.9	2 960.1
Midlands	3 218.4	2 542.2	79.0	2 535.1	767.4	3 302.5
South Eastern	1 402.3	976.1	69.6	1 272.0	156.2	1 428.1
Central	1 842.8	1 348.2	73.2	1 650.2	172.7	1 822.9
Pilbara	96.0	43.4	45.2	105.4	1.2	106.6
Kimberley	—	—	—	—	—	—
Western Australia						
1996	13 107.0	9 801.0	74.8	10 889.7	2 421.0	13 310.6
1995	12 925.9	9 080.1	70.2	11 313.0	2 146.0	13 459.0
1994	12 988.2	9 874.0	76.0	11 550.5	2 398.0	13 948.5

(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 pigs	Percentage of total pigs	Total establishments	Percentage of total establishments with pigs
	'000	%	no.	%
Perth	20.8	6.6	15	2.0
South West	45.6	14.5	57	7.5
Lower Great Southern	56.0	17.8	121	16.0
Upper Great Southern	60.8	19.4	153	20.2
Midlands	108.4	34.6	324	42.7
South Eastern	6.4	2.0	24	3.2
Central	15.5	5.0	59	7.8
Pilbara	—	—	—	—
Kimberley	0.1	—	5	0.7
Western Australia				
1996	313.6	100.0	758	100.0
1995	316.4	100.0	841	100.0
1994	311.6	100.0	890	100.0

(a) Includes suckers, weaners, growers etc.

Herd size	1995.....		1996	
	<i>Establishments</i>	<i>Percentage of establishments with pigs</i>	<i>Establishments</i>	<i>Percentage of establishments with pigs</i>
	no.	%	no.	%
1-9	79	9.4	71	9.4
10-19	71	8.4	65	8.6
20-29	63	7.5	63	8.3
30-39	43	5.1	39	5.1
40-49	46	5.5	34	4.5
50-69	62	7.4	64	8.4
70-99	68	8.1	56	7.4
100-149	66	7.8	65	8.6
150-199	51	6.1	42	5.5
200-299	74	8.8	69	9.1
300-499	90	10.7	67	8.8
500-699	36	4.3	27	3.6
700-999	35	4.2	35	4.6
1 000 and over	57	6.8	61	8.0
Total	841	100.0	758	100.0

Herd size	1995		1996	
	<i>Number of pigs</i>	<i>Percentage of total pigs</i>	<i>Number of pigs</i>	<i>Percentage of total pigs</i>
	'000	%	'000	%
1-9	0.3	0.1	0.3	0.1
10-19	0.9	0.3	0.9	0.3
20-29	1.5	0.5	1.5	0.5
30-39	1.4	0.4	1.3	0.4
40-49	2.0	0.6	1.5	0.5
50-69	3.5	1.1	3.8	1.2
70-99	5.5	1.7	4.6	1.5
100-149	7.7	2.4	7.9	2.5
150-199	8.4	2.7	7.1	2.3
200-299	17.4	5.5	16.3	5.2
300-499	34.4	10.9	25.5	8.1
500-699	21.3	6.7	16.1	5.1
700-999	28.9	9.1	27.9	8.9
1 000 and over	183.2	57.9	199.0	63.5
Total	316.4	100.0	313.6	100.0

(a) Includes suckers, weaners, growers etc.

LAYERS

MEAT CHICKENS.....

Statistical division	Hens for egg production for human consumption	Replacement stock	Breeding stock	Grown on contract	Grown on own account	Breeding stock
	'000	'000	'000	'000	'000	'000
Perth	542.4	205.0	75.0	4 990.0	—	305.1
South West	40.6	—	6.2	0.3	—	—
Lower Great Southern	28.3	—	0.1	—	8.6	—
Upper Great Southern	4.4	—	—	—	0.5	—
Midlands	16.5	0.2	0.1	60.0	—	55.6
South Eastern	10.0	—	—	—	—	—
Central	17.4	—	—	—	—	—
Pilbara	—	—	—	—	—	—
Kimberley	8.4	1.2	—	—	—	—
Western Australia	668.0	208.3	81.5	5 050.3	9.1	360.7

OTHER POULTRY.....

Statistical division	Ducks	Turkeys
	'000	'000
Perth	0.5	35.6
South West	—	—
Lower Great Southern	0.1	—
Upper Great Southern	—	—
Midlands	—	0.6
South Eastern	—	—
Central	—	—
Pilbara	—	—
Kimberley	—	—
Western Australia	0.6	36.3

Statistical division	LAYERS				EGGS.....
	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 dozen
Perth	542.4	205.0	820.0	4.0	12 648.8
South West	40.6	—	—	—	1 099.8
Lower Great Southern	28.3	—	—	0.3	422.1
Upper Great Southern	4.4	—	—	—	86.7
Midlands	16.5	0.2	—	0.1	256.3
South Eastern	10.0	—	—	—	339.9
Central	17.4	—	—	—	3 655.4
Pilbara	—	—	—	—	—
Kimberley	8.4	1.2	—	—	317.1
Western Australia	668.0	206.3	820.0	4.4	18 826.2

Statistical division	MEAT CHICKENS.....				OTHER POULTRY..		PROCESSED POULTRY SOLD	
	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
Perth	26 522.9	153 470.0	36 053.0	89.5	0.5	128.2	2 198.8	6.0
South West	—	—	—	—	—	—	1.1	—
Lower Great Southern	—	6 248.9	—	—	0.2	0.4	57.1	0.4
Upper Great Southern	—	15.0	—	—	—	—	—	—
Midlands	924.0	—	—	40.9	—	—	—	—
South Eastern	—	—	—	—	—	—	—	—
Central	—	—	—	—	—	—	—	—
Pilbara	—	—	—	—	—	—	—	—
Kimberley	—	—	—	—	—	—	—	—
Western Australia	27 446.9	159 733.9	36 053.0	130.4	0.7	128.6	2 257.0	6.4

Statistical division	ESTABLISHMENTS		LIVESTOCK	
	Deer no.	Horses for breeding(a) no.	Deer '000	Horses for breeding(a) '000
Perth	11	78	0.8	1.4
South West	26	139	6.8	1.6
Lower Great Southern	9	60	1.3	0.6
Upper Great Southern	2	28	0.7	0.2
Midlands	7	62	1.5	0.5
South Eastern	3	10	0.3	0.1
Central	3	22	0.4	0.1
Pilbara	—	—	—	—
Kimberley	—	14	—	0.2
Western Australia				
1996	61	413	11.8	4.6
1995	67	407	14.1	4.8
1994	71	434	13.6	5.9

(a) Comprises horses on establishments with agricultural activity.

Statistical division	Dairy bulls	Beef bulls	Other cattle	Pigs
	'000	'000	'000	'000
Perth	—	0.1	13.3	26.7
South West	0.2	0.9	225.6	81.5
Lower Great Southern	—	0.9	100.9	105.2
Upper Great Southern	—	0.3	19.5	121.1
Midlands	—	0.8	78.0	197.2
South Eastern	—	0.4	48.8	11.4
Central	—	0.3	54.3	25.5
Pilbara	—	—	33.9	—
Kimberley	—	0.7	90.1	—
Western Australia	0.2	4.6	664.4	568.5

Statistical division	Lambs and hoggets	All other sheep	Horses	Deer
	'000	'000	'000	'000
Perth	32.6	12.7	0.3	0.2
South West	195.6	409.9	0.4	2.2
Lower Great Southern	557.4	1 796.7	0.1	1.4
Upper Great Southern	462.6	1 600.5	—	0.1
Midlands	912.3	1 630.4	0.1	0.1
South Eastern	213.5	628.8	—	0.1
Central	372.2	877.2	—	0.1
Pilbara	4.1	25.7	—	—
Kimberley	—	—	—	—
Western Australia	2 750.2	6 981.9	877.0	4.2

	Units	1994	1995	1996
Number of livestock slaughtered(a)(b)				
Cattle	'000	435.5	429.0	426.6
Calves	'000	4.3	4.2	2.8
Chickens	'000	31 151.7	33 683.9	34 631.1
Lambs	'000	1 592.9	1 370.9	1 184.6
Pigs	'000	552.3	582.3	593.4
Sheep	'000	3 233.9	2 532.3	2 360.0
Meat produced(a)(c)				
Beef	t	100 338.9	97 045.4	96 566.6
Chicken	t	39 022.9	41 658.3	43 513.9
Lamb	t	25 458.9	21 144.4	19 407.8
Mutton	t	67 432.3	50 668.5	43 807.6
Pig	t	32 435.5	34 687.9	37 483.8
Veal	t	285.4	277.1	185.6
Whole milk intake by factories(d)	million litres	347	345	343
Wool(e)				
Brokers and dealer receivals of taxable wool	t	217 648.4	175 697.9	161 018.1
Eggs produced	million dozen	n.c.	19.9	18.8
Honey produced	'000 kg	2 172.1	1 768.3	2 071.6

(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.

	1993-94	1994-95 ^r	1995-96 ^p
	\$m	\$m	\$m
Livestock slaughterings(a)			
Cattle and calves	217.6	295.7	297.5
Pigs	68.6	75.2	69.4
Poultry	71.8	78.8	83.0
Sheep and lambs(b)	185.3	173.1	245.3
Other	2.4	1.4	2.0
Total	545.7	624.2	697.2
Wool			
Shorn and crutched	590.1	795.0	605.6
Other(c)	14.5	16.2	13.2
Total	604.7	811.2	618.8
Production of milk			
Human consumption	85.0	93.1	95.5
Manufacturing	36.2	33.1	41.2
Total	121.2	126.2	136.7
Eggs	32.4	31.6	35.7
Honey and beeswax	2.4	2.0	2.6

(a) Includes net exports of livestock.

(b) Excludes value of wool on skins.

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

	Units	1994	1995	1996 ^p
Apianists	no.	68	70	67
Beehives				
Productive(a)	no.	20 755	19 919	27 228
Unproductive	no.	7 128	7 727	3 695
Total	no.	27 883	27 646	30 923
Honey produced				
Quantity	kg	2 172 080	1 768 264	2 071 564
Average production(b)	kg/hive	104.7	88.8	76.1
Beeswax produced	kg	47 237	35 136	50 114

(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	—	—	n.p.	n.p.	124.0	16	80.8	20
Sales from livestock	2.7	4	n.p.	n.p.	6.8	44	1.9	65
Sales from livestock products	46.4	19	n.p.	n.p.	1.1	71	3.0	52
Turnover	62.2	9	n.p.	n.p.	138.0	15	94.0	19
Purchases and selected expenses	40.1	12	n.p.	n.p.	83.4	15	52.6	19
Value added(a)	22.9	12	n.p.	n.p.	55.1	21	38.7	28
Adjusted value added(a)	20.0	16	n.p.	n.p.	46.0	27	32.4	33
Gross operating surplus(a)	10.1	39	n.p.	n.p.	25.7	67	22.3	41
Interest paid	2.7	26	n.p.	n.p.	8.6	22	5.6	22
Cash operating surplus(b)	7.0	74	n.p.	n.p.	17.2	*	19.9	35
Gross indebtedness	58.5	21	n.p.	n.p.	108.3	34	50.9	21
Total net capital expenditure	9.5	54	n.p.	n.p.	20.2	43	6.0	29

VEGETABLES 0113

GRAIN 0121

Items	1993-94		1994-95		1993-94		1994-95	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	114.7	35	188.7	46	931.7	7	811.0	9
Sales from livestock	3.5	*	3.0	*	97.0	14	77.7	26
Sales from livestock products	—	*	0.2	*	121.7	10	114.7	15
Turnover	119.3	31	207.5	41	1 200.9	7	1 045.6	9
Purchases and selected expenses	59.5	29	75.0	21	751.2	7	630.8	9
Value added(a)	61.2	32	132.3	61	535.1	8	420.8	10
Adjusted value added(a)	57.7	34	128.1	63	464.8	8	362.8	10
Gross operating surplus(a)	43.5	34	108.6	69	411.9	8	308.6	10
Interest paid	1.0	*	2.1	57	67.5	13	59.2	14
Cash operating surplus(b)	41.3	39	106.4	71	263.5	10	255.3	12
Gross indebtedness	16.6	*	25.7	65	971.3	13	811.1	16
Total net capital expenditure	4.1	*	14.2	42	157.9	13	107.7	18

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

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

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

Items	GRAIN-SHEEP/BEEF CATTLE 0122				SHEEP-BEEF CATTLE 0123			
	1993-94		1994-95		1993-94		1994-95	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	402.3	10	780.1	10	2.4	64	1.7	52
Sales from livestock	123.7	17	154.6	13	52.7	33	62.5	18
Sales from livestock products	285.7	11	374.7	9	39.9	30	35.7	17
Turnover	839.4	9	1 373.2	9	98.0	30	105.3	14
Purchases and selected expenses	489.8	9	808.7	9	50.5	27	69.6	16
Value added(a)	527.3	9	561.3	10	62.5	33	50.7	21
Adjusted value added(a)	472.9	9	483.6	11	55.9	34	42.7	24
Gross operating surplus(a)	431.1	10	426.3	11	50.5	38	34.1	23
Interest paid	45.2	17	108.8	22	9.2	39	7.3	45
Cash operating surplus(b)	219.8	13	329.5	13	27.0	48	11.1	42
Gross indebtedness	588.2	14	1 253.0	17	101.0	26	129.7	37
Total net capital expenditure	90.0	19	186.6	17	11.4	50	3.9	26

Items	SHEEP 0124				BEEF CATTLE 0125			
	1993-94		1994-95		1993-94		1994-95	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	36.7	44	16.1	54	7.6	65	6.1	56
Sales from livestock	46.6	37	39.7	29	154.3	19	147.6	17
Sales from livestock products	88.7	20	113.3	23	3.2	76	0.8	51
Turnover	182.9	25	183.7	21	174.2	19	183.0	19
Purchases and selected expenses	109.3	27	101.2	25	106.6	24	93.5	25
Value added(a)	121.9	19	83.2	21	128.5	18	208.7	14
Adjusted value added(a)	111.8	19	71.6	22	110.8	21	192.9	14
Gross operating surplus(a)	98.7	20	59.5	24	90.4	25	172.5	15
Interest paid	10.9	37	8.7	44	16.2	49	8.6	36
Cash operating surplus(b)	39.5	30	57.5	28	23.6	57	48.8	31
Gross indebtedness	159.6	33	126.1	33	167.3	39	267.1	24
Total net capital expenditure	7.4	83	12.6	45	21.7	32	19.9	59

(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	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	5.3	*	8.0	*	6.5	86	0.1	*
Sales from livestock	35.0	36	33.6	26	38.6	11	45.4	10
Sales from livestock products	131.4	20	108.6	19	2.6	53	3.2	57
Turnover	173.5	15	154.8	10	50.8	18	50.8	10
Purchases and selected expenses	97.1	16	91.9	17	34.6	17	36.0	13
Value added(a)	86.0	18	74.6	11	19.9	26	15.6	9
Adjusted value added(a)	79.6	19	68.4	12	17.0	27	13.0	11
Gross operating surplus(a)	68.4	19	59.9	12	13.5	33	8.7	21
Interest paid	11.7	46	12.4	25	2.2	42	2.1	49
Cash operating surplus(b)	48.6	25	35.4	24	8.0	36	6.1	36
Gross indebtedness	149.9	57	146.8	23	32.8	32	30.8	34
Total net capital expenditure	18.6	21	17.1	66	4.8	31	5.3	44

OTHER AGRICULTURE 0111-0112,
0152-0159, 0169

AGRICULTURE ALL INDUSTRIES

Items	1993-94		1994-95(c)		1993-94		1994-95	
	\$m	SE %	\$m	SE %	\$m	SE %	\$m	SE %
Sales from crops	105.7	44	45.1	29	1 738.0	5	1 937.5	6
Sales from livestock	16.2	49	8.5	17	577.1	8	574.6	6
Sales from livestock products	4.7	*	52.3	22	725.6	6	806.5	5
Turnover	141.8	36	131.9	12	3 180.9	3	3 529.9	4
Purchases and selected expenses	63.7	35	74.5	15	1 885.7	3	2 033.8	4
Value added(a)	86.3	35	54.6	16	1 706.6	4	1 640.6	6
Adjusted value added(a)	77.5	35	43.7	19	1 514.1	4	1 439.2	7
Gross operating surplus(a)	35.3	44	9.9	90	1 279.2	5	1 210.5	8
Interest paid	3.4	25	6.6	25	178.7	8	221.3	11
Cash operating surplus(b)	25.0	60	5.8	**	719.9	7	875.7	10
Gross indebtedness	105.8	11	146.3	29	2 459.3	7	2 987.6	8
Total net capital expenditure	15.0	36	9.3	27	360.7	8	382.6	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.

(c) Includes 0141-0142 poultry.

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	1 096.3	6	1 353.5	3	1 577.7	3
Sales from livestock	360.5	7	343.0	8	462.8	6
Sales from livestock products	1 023.8	5	737.8	4	690.8	4
Turnover	2 630.5	3	2 560.3	2	2 875.8	2
Purchases and selected expenses	1 538.3	3	1 620.3	3	1 710.5	3
Value added(a)	927.1	5	1 193.5	3	1 188.9	4
Adjusted value added(a)	747.6	6	1 000.5	3	1 006.4	5
Gross operating surplus(a)	561.1	8	802.6	4	801.2	6
Interest paid	268.9	8	215.9	9	190.8	7
Cash operating surplus(b)	519.2	9	353.2	13	618.5	6
Gross indebtedness	1 984.0	7	1 919.7	7	2 192.5	8
Total net capital expenditure	167.0	15	230.1	11	279.3	10

AGGREGATES

Items	1993-94	SE	1994-95	SE	1995-96	SE
	\$m	%	\$m	%	\$m	%
Sales from crops	1 738.0	5	1 937.5	6	n.y.a.	n.y.a.
Sales from livestock	577.1	8	574.6	6	n.y.a.	n.y.a.
Sales from livestock products	725.6	6	806.5	5-	n.y.a.	n.y.a.
Turnover	3 180.9	3	3 529.9	4	n.y.a.	n.y.a.
Purchases and selected expenses	1 885.7	3	2 033.8	4	n.y.a.	n.y.a.
Value added(a)	1 706.6	4	1 640.6	6	n.y.a.	n.y.a.
Adjusted value added(a)	1 514.4	4	1 439.2	7	n.y.a.	n.y.a.
Gross operating surplus(a)	1 279.2	5	1 210.5	8	n.y.a.	n.y.a.
Interest paid	178.7	8	221.3	11	n.y.a.	n.y.a.
Cash operating surplus(b)	720.3	7	875.7	10	n.y.a.	n.y.a.
Gross indebtedness	2 459.3	7	2 987.6	8	n.y.a.	n.y.a.
Total net capital expenditure	360.7	8	382.6	10	n.y.a.	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).

AVERAGES

Items	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Sales from crops	98.1	119.3	141.7	158.4	177.5	n.y.a.
Sales from livestock	32.2	30.2	41.8	52.6	52.7	n.y.a.
Sales from livestock products	91.6	65.0	62.0	66.1	73.9	n.y.a.
Turnover	235.3	225.7	258.2	289.9	323.4	n.y.a.
Purchases and selected expenses	137.6	142.8	153.6	171.9	186.3	n.y.a.
Value added(a)	82.9	105.2	106.8	155.6	150.3	n.y.a.
Adjusted value added(a)	66.9	88.2	90.4	138.0	131.9	n.y.a.
Gross operating surplus(a)	50.2	70.7	71.9	116.6	110.9	n.y.a.
Interest paid	24.1	19.0	17.1	16.3	20.3	n.y.a.
Cash operating surplus(b)	46.4	31.1	55.5	65.7	80.2	n.y.a.
Gross indebtedness	177.5	169.2	196.6	224.2	273.7	n.y.a.
Total net capital expenditure	14.9	20.3	25.1	32.9	35.1	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

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INTRODUCTION

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

SCOPE AND COVERAGE

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

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

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

4 Tables 1 and 3 show 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 slaughterings, dairy produce and beekeeping is obtained from separate ABS collections and from organisations such as the Australian Dairy Corporation.

REFERENCE PERIOD

7 Statistics about crops, pastures, vegetables and fruit relate, in general, to the season ended 31 March. Where harvesting was not completed by 31 March 1996 (for example, maize, rice, apples, grapes and late planted potatoes) the production statistics relate to the completed harvest.

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 turnoff during the year. The resultant aggregation of these commodity values is termed the estimated value of agricultural operations (EVAO). It should be noted that EVAO is applicable *only for industry coding and size valuation purposes*. It is not an indicator of receipts obtained by units or of the value of agricultural commodities produced by these units.

DEFINITIONS OF TERMS USED

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

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

CROPS, PASTURES AND HORTICULTURE

14 Statistics of areas and production of crops relate, in the main, to crops sown during the year ended 31 March. Statistics of perennial crops relate to the position as at 31 March and the production during the year ended on that date, or of fruit set by that date. For example, particulars of area, production and yield per hectare of wheat in Australia refer to wheat sown during the period from April to September and harvested between October and the following February, i.e. the 1995-96 season relates to the harvesting period October 1995 to February 1996.

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.

EXPLANATORY NOTES *continued*

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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 52 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.

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

EXPLANATORY NOTES *continued*

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SCOPE AND COVERAGE OF THE AFS

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

VALUE OF AGRICULTURAL COMMODITIES PRODUCED

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

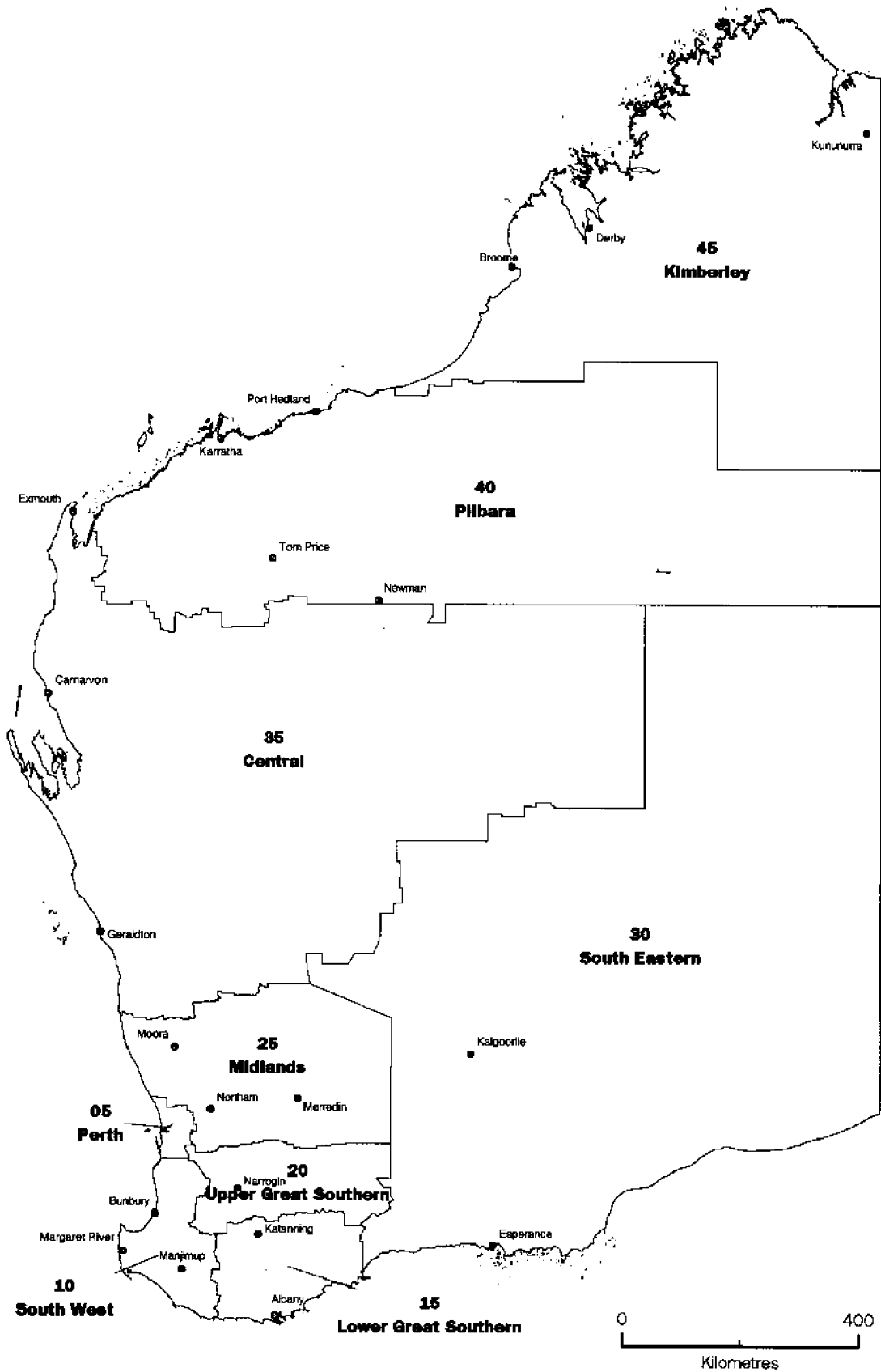
UNPUBLISHED STATISTICS

30 As well as the statistics in this and related publications, the ABS may have other unpublished data available. Inquiries should be directed to Peter Hodgson on (08) 9360 5180.

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.

STATISTICAL DIVISIONS OF WESTERN AUSTRALIA



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