

6 Agriculture

Introduction

The statistics in this chapter are mainly derived from the annual Agricultural Census conducted at 31 March, which collects commodity data from Victorian establishments with agricultural activity.

The 1986-87 season was characterised by increases in the State's sheep flock and beef cattle and pig herds, while milk cattle numbers continued to decline.

Wheat, oats, rye, millet and triticale all recorded higher production, while barley and maize recorded lower harvests than those achieved in the previous season. Wheat production increased from 2,225,000 tonnes in 1985-86 to 2,795,000 tonnes in 1986-87. Oat production increased 23 per cent in 1986-87 and barley production fell slightly. Record crops of field peas and lupins for grain were again harvested.

The 1985-86 Victorian fruit crop saw increased production of oranges, pears, apples, peaches, and almonds.

Almond production rose strongly for the second successive year. The orange crop exceeded the record crop of 1985-86 with Valencias in the Northern Mallee making the major contribution. Grape production fell significantly (23.2 per cent) from 288,376 tonnes in 1985-86 to 221,482 tonnes in 1986-87.

In 1986-87, the total area of land utilised for agricultural activity was 10,398,000 hectares.

Victoria compared with Australia

Victoria's share of the national Gross Domestic Product (GDP) at factor cost for the Agriculture, forestry, fishing and hunting industry was 24.1 per cent in both 1980-81 and 1983-84. This share declined in 1981-82 to 21.4 per cent and reached a low point in 1984-85 of 19.5 per cent. Compared with the total Victorian GDP, this industry contributed between 3.0 per cent and 5.3 per cent over the period 1981-82 to 1986-87.

In terms of farm income, Victoria's share for the latest 6 year period (1981-82 to 1986-87) fluctuated markedly. In 1986-87, farm income was \$750m, which was considerably lower than the peak of \$1,098m in 1983-84. The 1986-87 figure represented 33.6 per cent of the Australian farm income of \$2,230m.

The gross value of agricultural commodities produced (GVACP) provides a measure of the output from farming. In 1986-87, the GVACP for Victoria was \$4,021m, or 23.2 per cent of the Australian total of \$17,272m. In terms of value, Victoria produced 19.3 per cent of Australia's crops, 23.1 per cent of livestock slaughtered, and 29.6 per cent of livestock products (wool, milk, eggs, and honey).

**Scope of the
Agricultural
Census**

Excluded from the Census are those establishments which make only a small contribution to overall agricultural production. From 1986-87 the scope of the Census covers establishments undertaking agricultural activity which have an estimated value of agricultural operations (EVAO) of \$20,000 or more. The previous value for the EVAO cut-off was \$2,500. EVAO is an aggregation of derived values for all crop and livestock activity for each unit. 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 nor of the value of agricultural commodities produced by these units.

TABLE 6.1 AUSTRALIAN NATIONAL ACCOUNTS: GROSS DOMESTIC PRODUCT AT FACTOR COST, AGRICULTURE, FORESTRY, FISHING, AND HUNTING INDUSTRY

Year	Gross Domestic Product at factor cost		
	Victoria	Australia	Victoria as a percent- age of Australia
	\$m	\$m	per cent
1981-82	1,576	7,372	21.4
1982-83	1,182	5,718	20.7
1983-84	2,163	9,029	24.0
1984-85	1,758	9,017	19.5
1985-86	1,938	8,977	21.6
1986-87	n.a.	10,180	n.a.

**TABLE 6.2 AUSTRALIAN NATIONAL ACCOUNTS:
FARM INCOME**

Year	Victoria as a percent- age of Australia		
	Victoria	Australia	per cent
	\$m	\$m	
1981-82	715	2,847	25.1
1982-83	212	788	26.9
1983-84	1,098	3,581	30.7
1984-85	492	3,036	16.2
1985-86	1,466	1,914	24.3
1986-87	750	2,230	33.6

**TABLE 6.3 VALUE OF AGRICULTURAL COMMODITIES PRODUCED, VICTORIA
(\$'000)**

Particulars	Year ended 30 June					
	1982	1983	1984	1985	1986	1987
Crops -						
Cereals for grain	476,765	99,999	814,819	588,176	480,321	543,432
Hay	153,331	177,855	311,638	82,103	143,698	181,003
Industrial crops	24,877	23,443	34,465	35,776	33,091	34,329
Vegetables	153,457	139,223	197,641	158,496	185,605	227,351
Grapes	104,876	107,143	93,116	114,014	123,000	117,776
Fruit	91,653	114,722	113,962	151,554	154,030	203,604
Other	77,559	81,430	93,592	131,078	158,528	187,083
Total	1,082,518	743,815	1,659,233	1,261,197	1,278,273	1,494,578

**TABLE 6.3 VALUE OF AGRICULTURAL COMMODITIES PRODUCED,
VICTORIA - continued**
(\$'000)

Particulars	Year ended 30 June					
	1982	1983	1984	1985	1986	1987
Livestock slaughterings and other disposals -						
Cattle and calves	420,138	467,670	432,498	484,082	520,269	561,154
Sheep and lambs	182,073	154,688	182,611	179,647	r178,677	259,270
Other	183,918	211,632	219,695	258,121	r251,327	249,377
Total	786,129	833,989	834,804	921,851	950,273	1,069,801
Livestock products -						
Wool	358,826	324,133	381,858	502,306	r542,076	726,172
Dairy products	520,641	615,000	589,062	473,360	557,935	643,770
Other	69,913	71,097	86,019	84,685	84,637	86,327
Total	949,380	1,010,230	1,056,939	1,060,351	1,184,647	1,456,269
Grand total	2,818,027	2,588,035	3,550,977	3,243,399	3,413,193	4,020,648

TABLE 6.4 GROSS VALUE OF AGRICULTURAL COMMODITIES PRODUCED 1986-87
(\$'000)

	Victoria	Australia	Victoria As a percentage of Australia
Crops -			
Cereals for Grain	543,400	3,449,800	15.8
Hay	181,000	452,800	40.0
Industrial Crops	34,300	532,700	6.4
Vegetables	227,400	885,400	25.7
Grapes	117,800	272,200	43.3
Fruit	203,600	837,200	24.3
Other	187,100	1,307,600	14.3
Total	1,494,600	7,737,700	19.3
Livestock Slaughterings and other disposals -			
Cattle and Calves	561,200	2,819,700	19.9
Sheep and Lambs	259,300	721,200	35.9
Other	249,400	1,070,100	23.3
Total	1,069,800	4,611,000	23.2
Livestock Products -			
Wool	726,200	3,333,600	21.8
Dairy Products	643,800	1,257,400	51.2
Other	86,300	324,600	26.6
Total	1,456,300	4,915,600	29.6
Grand total	4,020,600	17,264,300	23.3

TABLE 6.5 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION BY STATISTICAL DIVISION 1986-87

Statistical division	Number of establishments (a)	Area used	Sown pasture	Native	Balance of	Total area of
		for crops(b)(c)	and lucerne	pasture	establishments	establishments
		'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
Melbourne	1,914	22	104	36	32	194
Barwon	1,731	50	265	78	73	466
South Western	5,115	59	1,271	283	158	1,771
Central Highlands	1,880	78	478	137	76	769
Wimmera	3,420	818	824	230	478	2,350
Northern Mallee	3,761	731	553	433	744	2,461
Loddon-Campaspe	3,380	312	637	283	219	1,451
Goulburn	5,243	175	691	239	178	1,283
North Eastern	2,015	50	285	122	257	714
East Gippsland	1,333	8	226	345	456	1,035
Central Gippsland	3,756	9	427	64	47	547
East Central	835	3	60	13	10	86
Total Victoria	34,383	2,317	5,820	2,262	2,728	13,127

(a) Includes non land-based bee keeping establishments (i.e. bee keeping activity not permanently located at one site).

(b) Excludes area of pasture cut for hay or seed.

(c) Duplicated area included if double-cropping occurred.

TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1986-87 (a)

Main activity of establishment	Estimated value of agricultural operations (EVAO) (\$'000)						Total establishments
	<20	20-39	40-59	60-99	100-199	200+	
MELBOURNE STATISTICAL DIVISION							
Meat cattle	141	116	54	33	15	2	361
Vegetables	13	50	39	74	95	70	341
Orchard and other fruit	37	43	36	42	52	28	238
Nurseries	176	-	1	-	2	1	180
Poultry	7	12	11	21	31	66	148
Potatoes	3	1	3	5	13	9	34
Other	104	151	116	107	59	22	559
Total	481	373	260	282	267	198	1,861
BARWON STATISTICAL DIVISION							
Milk cattle	14	79	152	260	114	10	629
Sheep	47	99	71	95	45	20	377
Meat cattle	67	58	30	19	6	5	185
Other	60	100	99	92	101	71	523
Total	188	336	352	466	266	106	1,714
SOUTH WESTERN STATISTICAL DIVISION							
Sheep	83	309	418	584	395	116	1,905
Milk cattle	20	183	440	723	318	30	1,714
Sheep and meat cattle	13	107	106	175	178	121	700
Meat cattle	92	181	95	62	38	9	477
Other	28	47	34	56	63	34	262
Total	236	827	1,093	1,600	992	310	5,058

TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1986-87 (a) - continued

Main activity of establishment	Estimated value of agricultural operations EVAO (\$'000)						Total establishments
	<20	20-39	40-59	60-99	100-199	200+	
CENTRAL HIGHLANDS STATISTICAL DIVISION							
Sheep	56	223	194	249	205	49	976
Sheep and cereals	3	32	41	65	50	29	220
Potatoes	3	13	17	36	55	45	169
Sheep and meat cattle	14	45	39	21	25	13	157
Meat cattle	29	30	14	11	2	-	86
Other	50	51	48	47	32	20	248
Total	155	394	353	429	369	156	1,856
WIMMERA STATISTICAL DIVISION							
Cereal grains	40	132	187	359	465	250	1,433
Sheep and cereals	28	175	197	350	401	115	1,266
Sheep	51	120	132	136	58	21	518
Other	36	40	25	38	24	23	186
Total	155	467	541	883	948	409	3,403
NORTHERN MALLEE STATISTICAL DIVISION							
Grapes	120	368	424	423	172	44	1,551
Cereal grains	13	66	83	171	370	310	1,013
Sheep and cereals	7	35	41	93	118	95	389
Orchard and other fruit	17	27	32	45	53	37	211
Other	70	111	115	150	80	39	565
Total	227	607	695	882	793	525	3,729
LODDON-CAMPASPE STATISTICAL DIVISION							
Sheep and cereals	27	149	169	268	234	69	916
Milk cattle	8	62	222	321	145	13	771
Sheep	75	155	129	117	79	15	570
Meat cattle	56	71	36	25	4	4	196
Sheep and meat cattle	24	52	35	49	32	3	195
Pigs	1	16	6	8	26	31	88
Other	98	108	85	106	144	84	625
Total	289	613	682	894	664	219	3,361
GOULBURN STATISTICAL DIVISION							
Milk cattle	28	211	646	757	246	29	1,917
Sheep and cereals	27	128	143	214	124	12	648
Meat cattle	131	192	75	75	30	11	514
Sheep and meat cattle	32	145	118	114	69	23	501
Orchard and other fruit	16	32	43	53	116	118	378
Cereal grains	26	40	21	19	17	5	128
Meat cattle and cereals	9	22	28	16	10	-	85
Other	135	257	181	202	141	94	1,010
Total	404	1,027	1,255	1,450	753	292	5,181

TABLE 6.6 NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY EVAO AND MAIN ACTIVITY OF ESTABLISHMENT, BY STATISTICAL DIVISION, VICTORIA, 1986-87 (a) - continued

Main activity of establishment	Estimated value of agricultural operations EVAO (\$'000)						Total establishments
	<20	20-39	40-59	60-99	100-199	200+	
NORTH EASTERN STATISTICAL DIVISION							
Meat cattle	93	236	173	115	51	10	678
Milk cattle	6	58	95	158	73	9	399
Sheep and meat cattle	18	74	64	62	30	6	254
Tobacco	13	8	26	48	77	20	192
Other	69	98	94	102	87	26	476
Total	199	474	452	485	318	71	1,999
EAST GIPPSLAND STATISTICAL DIVISION							
Milk cattle	10	43	94	147	78	17	389
Meat cattle	69	133	69	57	27	2	357
Sheep and meat cattle	12	53	48	63	45	10	231
Other	54	74	64	58	50	35	335
Total	145	303	275	325	200	64	1,312
CENTRAL GIPPSLAND STATISTICAL DIVISION							
Milk cattle	37	297	595	867	352	40	2,188
Meat cattle	186	331	158	115	63	18	871
Other	77	132	114	110	147	73	653
Total	300	760	867	1,082	562	131	3,712
EAST CENTRAL STATISTICAL DIVISION							
Milk cattle	8	66	102	99	41	1	317
Meat cattle	49	83	48	23	13	3	219
Other	53	44	32	54	59	42	284
Total	110	193	182	176	113	46	820

(a) The period covered in this and most subsequent tables in this Chapter is the 1986-87 season, which in general refers to the year ended 31 March 1987 but also includes activities which may have been finalised after 31 March (e.g. grape picking). In most of these activities the growing period occurred before 31 March.

AGRICULTURAL COMMODITIES

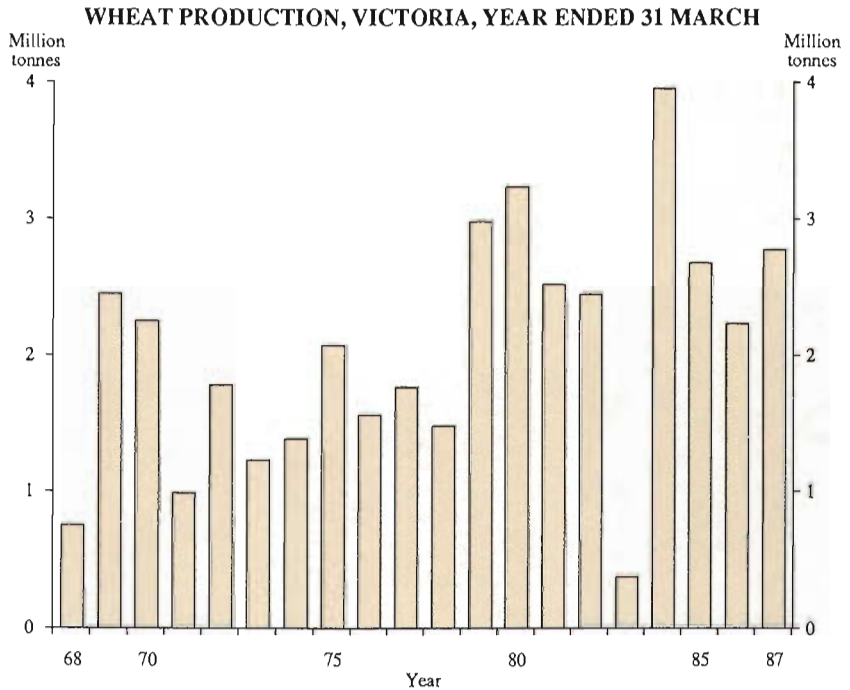
Field crops

The cereals wheat, oats, and barley are the principal field crops in Victoria. These, together with hay production, green feed, and silage, represent about 84 per cent of the total area sown, although there is some variation from year to year.

Wheat

Wheat is Victoria's largest crop in terms of area and production. The average area sown in the six-year period 1981-82 to 1986-87 was 1.4 million hectares, about 60 per cent of the State's total area under crops. However, the area under wheat in 1986-87 was 15 per cent lower than in the peak year of 1983-84. Over the same period production has averaged 2.4 million tonnes, ranging from a drought reduced 0.4 million tonnes in 1982-83 to a record 4.0 million tonnes in 1983-84. In Victoria, wheat remained a significant crop in 1986-87,

representing 29 per cent of total crop production. The value of wheat produced amounted to \$1,495m in 1986-87. Wheat production reached a low of 9 per cent of the total value of crop production in 1982-83 and a peak of 39 per cent in 1983-84.



Oats

Oats are sown for grain production, winter grazing, and hay production. The average annual area sown for grain, grazing, and hay between 1981-82 and 1986-87 was 324,700 hectares, of which about 74 per cent was harvested for grain, some of it after being grazed during the winter. About 79 per cent of the oats produced in Victoria is held on farms or used as stock feed, especially during periods of seasonal shortage or in drought conditions. About 7 per cent of the crop goes to mills, but only a small fraction of this is processed for human consumption. The bulk of the 'milled' oats is destined for incorporation in proprietary stock feeds or as unkilned groats for export. The remaining 14 per cent of the crop is exported as grain.

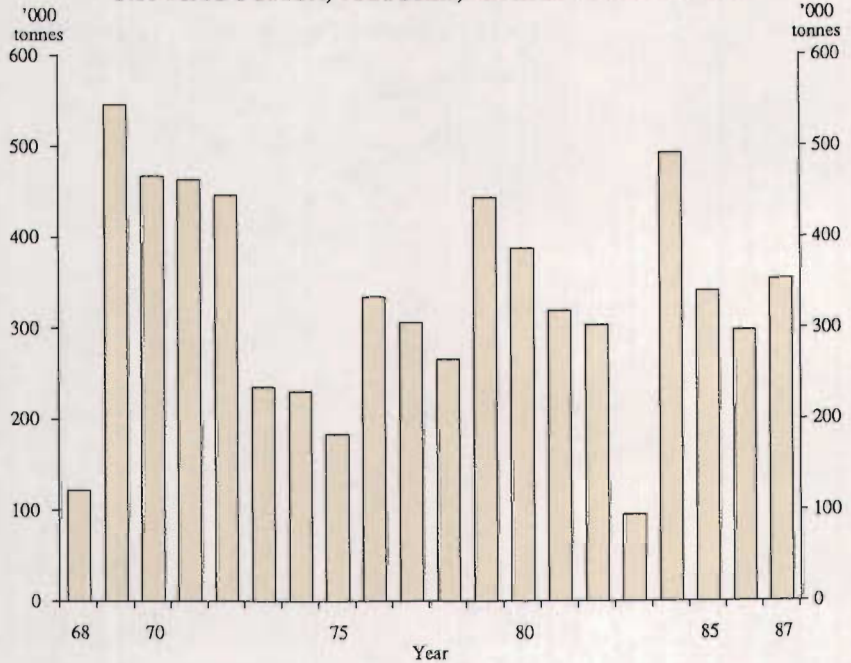
Barley

The area sown to barley for all purposes in 1986-87 was 268,000 hectares, 13 per cent lower than the 20 year average of 309,790 hectares. The area sown in the 20 year period to 1986-87 has ranged from a low of 138,024 hectares in 1967-68 to a high of 489,674 hectares in 1984-85.

While barley is grown in all statistical divisions, production has been traditionally centred in two distinct areas where high quality grain is produced. The largest production is in the south-west of the Northern Mallee and the

adjacent north-western Wimmera. The second source of high quality barley grain is in an area between Melbourne, Geelong, and Bacchus Marsh in southern Victoria.

OAT PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH



Maize

The total area sown to maize increased from 476 hectares in 1981-82 to 1,072 hectares in 1985-86, before falling to 506 hectares in 1986-87. Production fell from 4,999 tonnes in 1985-86 to 3,131 tonnes in 1986-87.

Oil seeds

The production of rapeseed increased from 1,000 tonnes in 1982-83 to 25,000 tonnes in 1985-86, before falling to 22,000 tonnes in 1986-87. However during the six year period, yields were the highest in 1986-87. Safflower production showed further growth in 1986-87 to reach 7,400 tonnes, while the area sown increased to 10,400 hectares.

Grain legumes

The legumes, predominantly field peas and lupins, have shown strong growth in recent years. Since 1973, the area of lupins sown has risen from about 100 hectares to over 27,000 hectares in 1986-87.

In 1986-87, field peas recorded a record harvest. The area sown to field peas has risen from an average of around 20,000 hectares per annum in the decade to 1983-84, to over 197,000 hectares in 1986-87.

BARLEY PRODUCTION, VICTORIA, YEAR ENDED 31 MARCH

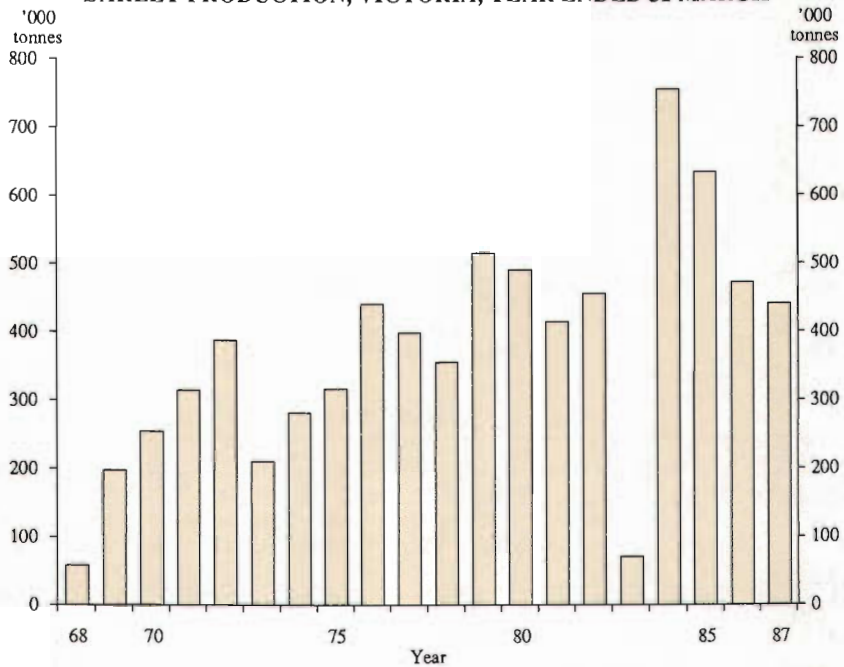


TABLE 6.7 WHEAT FOR GRAIN, VICTORIA

Season	Area '000 ha	Production '000 tonnes	Average yield per hectare tonnes	A.S.W.(a) wheat standard kg/hl
1981-82	1,322	2,467	1.87	81.3
1982-83	1,327	394	0.30	83.0
1983-84	1,614	3,971	2.46	76.7
1984-85	1,523	2,666	1.75	84.1
1985-86	1,508	2,250	1.49	80.9
1985-86 (b)	1,488	2,225	1.56	80.9
1986-87	1,364	2,795	2.05	80.2

(a) Australian Standard White, quoted in kilograms per hectolitre.

(b) To assist in gauging the degree of change of the effect of raising the EVAO cut-off from \$2,500 or more to \$20,000 or more, data for 1985-86 have been tabulated on both bases.

TABLE 6.8 OATS FOR GRAIN, VICTORIA

Season	Area '000 ha	Production '000 tonnes	Average yield per hectare tonnes
1981-82	245	306	1.25
1982-83	213	98	0.46
1983-84	324	494	1.52
1984-85	228	343	1.50
1985-86	212	300	1.42
1985-86 (a)	204	290	1.43
1986-87	215	356	1.66

(a) See footnote (b) to Table 6.7.

TABLE 6.9 BARLEY FOR GRAIN, VICTORIA

Season	Area		Production		Average yield per hectare	
	2-row	6-row	2-row	6-row	2-row	6-row
	'000 ha		'000 tonnes		tonnes	
1981-82	311	4	455	5	1.46	1.23
1982-83	269	9	71	3	0.27	0.34
1983-84	390	13	736	22	1.89	1.69
1984-85	470	15	617	20	1.31	1.34
1985-86	379	10	464	12	1.22	1.26
1985-86(a)	370	9	453	11	1.22	1.25
1986-87	259	6	433	11	1.67	1.68

(a) See footnote (b) to Table 6.7.

TABLE 6.10 OTHER CEREAL CROPS FOR GRAIN

Season	Rye		Maize		Millet		Triticale	
	Area	Production	Area	Production	Area	Production	Area	Production
	'000 ha	'000 tonnes	'000 ha	'000 tonnes	'000 ha	'000 tonnes	'000 ha	'000 tonnes
1981-82	2.7	1.6	0.5	2.4	2.0	2.9	5.1	5.5
1982-83	3.9	0.9	0.6	2.4	2.3	3.1	5.8	2.1
1983-84	7.1	5.3	0.9	5.0	3.3	4.8	7.6	14.2
1984-85	5.4	3.3	1.2	6.3	1.9	2.9	8.9	13.6
1985-86	10.0	5.9	1.1	5.0	1.7	2.6	11.9	18.6
1985-86 (a)	10.0	5.9	1.0	5.0	1.6	2.5	11.7	18.4
1986-87	22.8	19.0	0.6	3.2	2.8	4.5	17.6	28.5

(a) See footnote (b) to Table 6.7.

TABLE 6.11 SILAGE MADE, AND FARM STOCKS OF SILAGE AND HAY, BY STATISTICAL DIVISION

(tonnes)

Statistical division	Silage made, season 1986-87	Stocks at 31 March 1987	
		Silage	Hay
Melbourne	12,998	10,854	61,241
Barwon	24,412	14,903	163,718
South Western	44,123	35,469	566,437
Central Highlands	7,764	9,918	221,001
Wimmera	3,776	4,314	265,436
Northern Mallee	6,504	4,915	111,535
Loddon-Campaspe	24,626	11,562	339,179
Goulburn	15,059	14,518	466,724
North Eastern	24,129	30,644	152,482
East Gippsland	4,658	8,969	71,081
Central Gippsland	80,275	57,589	311,829
East Central	11,591	7,597	48,530
Total Victoria	259,916	211,251	2,779,193

TABLE 6.12 HAY PRODUCTION, VICTORIA, SEASON 1986-87

<i>Variety</i>	<i>Area</i>	<i>Production</i>	<i>Average yield per hectare</i>
	hectares	tonnes	tonnes
Meadow grass and clover	415,974	1,623,613	3.90
Oaten	34,401	146,286	4.25
Lucerne	26,721	144,734	5.42
Wheaten	4,244	12,372	2.92
Barley and other	2,042	5,319	2.60
Total	483,382	1,932,324	4.00

TABLE 6.13 SELECTED OILSEEDS PRODUCTION, VICTORIA

<i>Season</i>	<i>Area (hectares)</i>	<i>Production (tonnes)</i>	<i>Average yield per hectare (tonnes)</i>
LINSEED			
1981-82	3,864	3,898	1.01
1982-83	2,067	942	0.46
1983-84	1,973	1,510	0.77
1984-85	1,791	2,222	1.24
1985-86	3,399	5,346	1.57
1985-86 (a)	3,374	5,325	1.58
1986-87	2,618	2,926	1.12
RAPESEED			
1981-82	3,846	3,584	0.93
1982-83	3,822	1,227	0.32
1983-84	4,258	4,161	0.98
1984-85	8,592	8,711	1.01
1985-86	21,785	24,543	1.13
1985-86 (a)	21,670	24,434	1.13
1986-87	18,117	21,699	1.20
SAFFLOWER			
1981-82	4,799	3,113	0.65
1982-83	1,305	491	0.38
1983-84	3,619	2,610	0.72
1984-85	7,038	4,569	0.65
1985-86	9,432	6,264	0.66
1985-86 (a)	9,174	6,136	0.67
1986-87	10,448	7,425	0.71
SUNFLOWER			
1981-82	11,970	10,086	0.84
1982-83	1,170	790	0.68
1983-84	14,105	12,546	0.89
1984-85	12,355	14,407	1.17
1985-86	13,240	14,894	1.12
1985-86 (a)	12,806	14,297	1.12
1986-87	7,359	8,019	1.09

(a) See footnote (b) to Table 6.7.

TABLE 6.14 LEGUMES FOR GRAIN, VICTORIA

Season	Lupins		Field peas		Total (a)	
	Area	Production	Area	Production	Area	Production
	'000 ha	'000 tonnes	'000 ha	'000 tonnes	'000 ha	'000 tonnes
1981-82	25.2	19.9	34.3	49.0	59.7	69.2
1982-83	21.0	4.4	64.7	3.2	85.8	7.7
1983-84	16.2	15.8	45.6	61.4	62.0	77.5
1984-85	20.1	20.7	84.8	86.3	105.7	107.7
1985-86	24.2	30.4	136.7	137.0	161.9	168.6
1985-86 (b)	23.5	29.7	135.9	136.5	160.4	167.3
1986-87	27.6	37.2	197.8	334.8	232.5	384.7

(a) Includes chick peas, dried edible beans, etc.

(b) See footnote (b) to Table 6.7.

TABLE 6.15 AREA, PRODUCTION, AND YIELD OF LEGUMES FOR GRAIN, BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1987

Statistical division	Lupins for grain			Field peas for grain			Total legumes for grain (a)		
	Area	Prod'n	Yield	Area	Prod'n	Yield	Area	Prod'n	Yield
	'000 ha	'000 tonnes	tonnes /ha	'000 ha	'000 tonnes	tonnes /ha	'000 ha	'000 tonnes	tonnes /ha
Melbourne	0.6	0.5	0.92	0.1	0.1	1.46	0.6	0.6	0.97
Barwon	1.5	2.0	1.33	1.5	2.0	1.30	3.1	4.0	1.31
South Western	1.5	1.9	1.29	0.5	0.6	1.19	1.9	2.5	1.27
Central Highlands	0.5	0.6	1.24	0.5	0.7	1.52	1.0	1.4	1.38
Wimmera	5.9	8.4	1.43	120.1	214.6	1.79	131.2	232.6	1.77
Northern Mallee	0.5	0.6	1.14	43.3	69.6	1.61	44.6	71.6	1.61
Loddon-Campaspe	2.9	4.2	1.47	27.6	42.0	1.52	31.2	47.6	1.53
Goulburn	9.8	13.3	1.35	3.8	4.6	1.23	13.7	18.1	1.32
North Eastern	4.3	5.4	1.27	0.4	0.3	0.76	4.7	5.8	1.22
East Gippsland	0.2	0.2	0.85	-	-	0.94	0.4	0.4	1.00
Central Gippsland	-	0.1	1.21	0.1	0.2	1.78	0.2	0.2	1.62
Total Victoria	27.6	37.2	1.35	197.8	334.8	1.69	232.5	384.7	1.66

(a) Includes chick peas, dried edible beans, etc.

FRUIT

Area planted

In Victoria in 1986-87, the area planted with fruit, nuts, and berries was 19,752 hectares, and the area of vineyards was 18,954 hectares. Although this total of 38,706 hectares is only about 1.7 per cent of the total area under crops in Victoria, fruit and vine growing make a valuable contribution to the economy of the State.

Tree fruit

In Victoria, the main fruit growing areas are in the Goulburn, Northern Mallee, Melbourne, and East Central Statistical Divisions. There are smaller areas in the North Eastern Statistical Division and also in the Gippsland, Bacchus Marsh, and Ballarat areas.

- Small fruit** Climatic requirements have restricted the commercial production of strawberries, and cane and bramble fruits in particular, to the cooler southern regions of Victoria, and most of the fruit is grown in the hills of the Eastern Melbourne Metropolitan and Mornington Peninsula areas which are relatively close to the Melbourne market. During the last few years fruit growers in other parts of the State interested in diversification have taken up the production of strawberries, raspberries and kiwi fruit, particularly for the fresh fruit market.
- Nuts** A wide range of nuts can be grown in Victoria. Examples are almonds, walnuts, chestnuts, hazelnuts, pecans, and pistachios. In the past, only a few of these trees have been grown in commercial plantings. Almonds were mainly planted in the northern area; walnuts and chestnuts in situations with deep soil in the north-east, the Dandenongs, and Gippsland; and hazelnuts on shallower soils in the north-east and the Dandenongs. In 1986-87, production of nuts was 1,261 tonnes.
- Grapes** In Victoria, most wine grapes are grown under irrigation in the Northern Mallee Statistical Division, and in the Goulburn Valley and the Murray Valley areas. Wine grape varieties are also being grown in the traditional non-irrigated areas in the north-east (Rutherglen) and in the west (Great Western) of the State. With the increasing interest in wine grapes over recent years, many vineyards of varying sizes have been established in other suitable areas throughout the State.
- In 1986-87, Victoria had 17,827 hectares of bearing vines which produced 67,133 tonnes for winemaking and 221,482 tonnes for drying and table grapes. There were 1,127 hectares of non-bearing vines.
- Between 1960 and 1987, the intake of grapes by wineries increased from 11,000 tonnes to over 72,000 tonnes. Many of these grapes are now mechanically harvested.
- Table grape production in recent years has increased considerably, and within the last five years sales of Victorian table grapes on local and export markets have increased to 26,600 tonnes.

OTHER INTENSIVE CROPS

- Vegetables** Most of the fresh vegetable production in Victoria is located adjacent to the Melbourne urban area at Werribee and Keilor to the west, and Narre Warren, Clyde, and Keysborough in the sandy south-eastern area.
- Potatoes are mainly grown in the Central Highlands around Ballarat, at Thorpdale in the Gippsland Hills, and at Kooweerup, with additional areas around Warrnambool, the Bellarine Peninsula, Colac, the Otway Ranges, and metropolitan market gardens. In 1986-87, the gross value of potato production was \$98m or 6.5 per cent of the total value of production of crops.
- The tomato industry in Victoria is predominantly processing-orientated with most of the crop produced in the irrigated areas between Shepparton and Rochester in northern Victoria.

Tobacco

The tobacco industry in Victoria is centred at Myrtleford in the north-east with production areas in the adjacent valleys of the Buffalo, Ovens, Upper King, and Kiewa Rivers. The 191 tobacco growers in Victoria produced 3,975 tonnes of cured leaf in 1986-87.

Hops

In Victoria, production of hops is confined to the alluvial soils in the valleys of the Ovens and King Rivers where good quality irrigation water is available to supplement the natural summer rainfall. The hop is a summer growing perennial plant, propagated from root cuttings, that develops long vines supported on a post and wire trellis system about six metres above the ground surface. In 1986-87 there were 20 hop gardens in Victoria with a total area of 336 hectares producing 579 tonnes (dried weight) of hops for both domestic brewers and export markets.

Plant nurseries

In 1986-87, there were 402 nurseries in Victoria with a total production area of 2,374 hectares (including establishments growing cultivated turf).

TABLE 6.16 NUMBER OF SELECTED BEARING AND NON BEARING POME AND STONE FRUIT TREES BY STATISTICAL DIVISION, AT 31 MARCH 1987

<i>Statistical division</i>	<i>Apples</i>	<i>Pears</i>	<i>Peaches</i>	<i>Apricots</i>	<i>Nectarines</i>
Melbourne	506,153	429,52	90,025	1,500	32,848
Barwon	1,080	357	832	570	-
South Western	9,552	300	608	670	-
Central Highlands	114,055	177,338	6,565	5,817	8,476
Wimmera	1,651	715	2,161	953	309
Northern Mallee	1,077	325	41,309	60,323	82,735
Loddon-Campaspe	141,855	21,885	722	304	20
Goulburn	429,560	1,015,307	639,371	127,709	28,602
North Eastern	161,848	1,113	4,430	900	305
East Gippsland	2,022	48	-	20	-
Central Gippsland	45,986	1,087	4,635	117	2,509
East Central	138,873	7,349	11,604	-	7,913
Total Victoria	1,553,712	1,108,776	802,262	198,883	163,717

TABLE 6.17 NUMBER OF SELECTED BEARING AND NOT BEARING CITRUS TREES BY STATISTICAL DIVISION, AT 31 MARCH 1987

<i>Statistical division</i>	<i>Oranges</i>	<i>Lemons and limes</i>	<i>Mandarins</i>
Melbourne	-	10,048	-
Barwon	-	80	-
South Western	-	-	-
Central Highlands	-	360	-
Wimmera	-	-	-
Northern Mallee	877,517	53,922	70,549
Loddon-Campaspe	20	4	2
Goulburn	84,637	26,313	780
North Eastern	11,762	4,584	75
East Gippsland	-	362	-
Central Gippsland	-	20	-
East Central	-	1,290	-
Total Victoria	973,936	96,983	71,406

TABLE 6.18 ORCHARD FRUIT PRODUCTION, VICTORIA
(tonnes)

Type of fruit	Year ended 31 March -						
	1982	1983	1984	1985	1986	1986 (a)	1987
Pears	85,078	98,712	97,150	114,087	r120,933	120,638	123,859
Apples	68,535	77,526	64,379	92,493	85,404	84,902	99,801
Peaches	33,853	34,702	23,824	32,232	31,691	31,355	31,491
Apricots	6,754	7,302	5,857	5,936	7,682	7,297	6,365
Cherries	1,920	1,705	1,130	1,170	1,198	1,121	1,193
Plums and prunes	3,160	2,810	2,574	2,702	2,877	2,664	2,865
Olives	1,812	226	938	810	690	690	43
Nectarines	1,658	1,816	1,544	1,696	1,975	1,914	2,074
Quinces	(b)	(b)	111	48	41	36	33
Figs	(b)	(b)	1	4	3	2	2
Oranges -							
Valencias	26,921	32,936	31,192	37,695	40,008	39,303	47,132
Navels	15,506	17,117	16,051	19,470	20,481	20,145	20,572
Other	310	468	314	194	255	255	324
Lemons and limes	8,004	5,349	4,134	8,098	8,466	8,257	7,454
Grapefruit	4,656	4,913	5,071	5,237	6,837	6,772	6,033
Mandarins	2,470	2,509	2,933	3,278	2,652	2,571	3,080

(a) See footnote (b) to Table 6.7.

(b) Not collected.

TABLE 6.19 SMALL FRUIT PRODUCTION, VICTORIA
(kilograms)

Type of fruit	Year ended 31 March -						
	1982	1983	1984	1985	1986	1986 (a)	1987
Strawberries	1,044,361	1,055,270	1,443,800	1,481,776	1,475,457	1,430,480	1,619,267
Raspberries	179,905	204,430	154,622	255,031	215,712	207,053	312,030
Kiwi Fruit	(b)	(b)	80,600	103,304	239,193	237,643	567,504
Blueberries	(b)	(b)	(a)	12,988	30,471	16,489	21,374
Gooseberries	(b)	(b)	2,500	3,324	r3,358	228	400
Loganberries	(b)	(b)	6,782	5,280	6,680	6,680	3,585
Other berries	(b)	(b)	(a)	50,989	r56,571	52,361	135,651
Passionfruit	(b)	(b)	(a)	800	900	800	213

(a) See footnote (b) to Table 6.7.

(b) Not collected.

TABLE 6.20 NUT PRODUCTION, VICTORIA
(kilograms)

Type of fruit	Year ended 31 March -						
	1982	1983	1984	1985	1986	1986 (a)	1987
Walnuts	(b)	(b)	71,550	71,626	78,858	74,224	68,295
Chestnuts	(b)	(b)	35,796	46,981	49,981	27,769	28,525
Almonds	507,692	603,900	621,747	597,157	871,721	864,136	1,161,347
Hazelnuts	(b)	(b)	15,005	34,437	22,580	1,438	3,015

(a) See footnote (b) to Table 6.7.

(b) Not collected.

TABLE 6.21 VITICULTURE, AREA AND PRODUCTION, VICTORIA

Season	Area (hectares)		Production (tonnes) for -	
	Bearing	Non-bearing	Wine making	Drying and table (a)
1981-82	19,327	1,192	57,699	292,125
1982-83	18,976	1,365	64,900	254,117
1983-84	18,806	1,321	82,973	259,160
1984-85	19,132	1,352	96,807	255,631
1985-86	18,720	1,305	68,761	290,652
1985-86 (b)	18,412	1,240	68,086	288,376
1986-87	17,827	1,127	67,133	221,482

(a) Production for drying is estimated as fresh weight equivalent of dried weight.

(b) See footnote (b) to Table 6.7.

TABLE 6.22 VEGETABLES FOR HUMAN CONSUMPTION, VICTORIA

Type of vegetable	Area sown (hectares)				Production (tonnes)			
	1984-85	1985-86	1985-86 (a)	1986-87	1984-85	1985-86	1985-86 (a)	1986-87
Potatoes	14,922	14,192	14,078	13,195	379,074	366,971	365,472	364,319
Onions	r572	r522	510	46712,	14,359	12,274	12,213	12,006
Carrots	1,046	980	964	1,1423	34,349	31,041	30,776	36,233
Parsnips	186	179	177	1764,9	5,192	4,925	4,912	4,082
Beetroot	26	23	22	2232	359	320	312	115,007
Tomatoes	3,433	2,705	2,682	2,9359	115,068	99,857	99,473	115,007
French beans	338	481	457	6493,3	1,022	2,329	2,280	3,201
Green peas -								
Market (b)	181	211	173	17836	723	365	332	245
Factory (c)	291	1,007	996	1,1311	648	1,838	1,805	3,758
Cabbages	772	728	720	82125,	25,573	25,060	24,828	28,639
Cauliflowers	1,150	1,070	1,064	1,0953	28,521	39,581	39,507	30,198
Lettuce	1,320	1,269	1,262	1,2262	28,018	27,600	27,496	30,305
Pumpkins	609	545	521	4848,8	10,515	8,863	8,625	7,602

(a) See footnote (b) to Table 6.7.

(b) Sold in pod.

(c) Shelled weight.

TABLE 6.23 TOBACCO PRODUCTION, VICTORIA

Season	Area	Production	Average yield
	hectares	tonnes (dry)	per hectare tonnes (dry)
1981-82	2,757	4,418	1.60
1982-83	2,803	4,928	1.76
1983-84	2,823	5,856	2.07
1984-85	2,146	4,755	2.22
1985-86	1,652	3,711	2.25
1985-86 (a)	1,649	3,708	2.25
1986-87	1,819	3,975	2.19

(a) See footnote (b) to Table 6.7.

TABLE 6.24 HOP PRODUCTION, VICTORIA

<i>Season</i>	<i>Area</i>	<i>Production</i>	<i>Average yield per hectare</i>
	hectares	tonnes (a)	tonnes
1981-82	461	789	1.71
1982-83	499	491	0.98
1983-84	456	687	1.51
1984-85	420	554	1.32
1985-86	471	643	1.37
1985-86 (b)	467	640	1.37
1986-87	336	579	1.72

(a) Dried weight.

(b) See footnote (b) to Table 6.7.

LIVESTOCK AND LIVESTOCK PRODUCTS

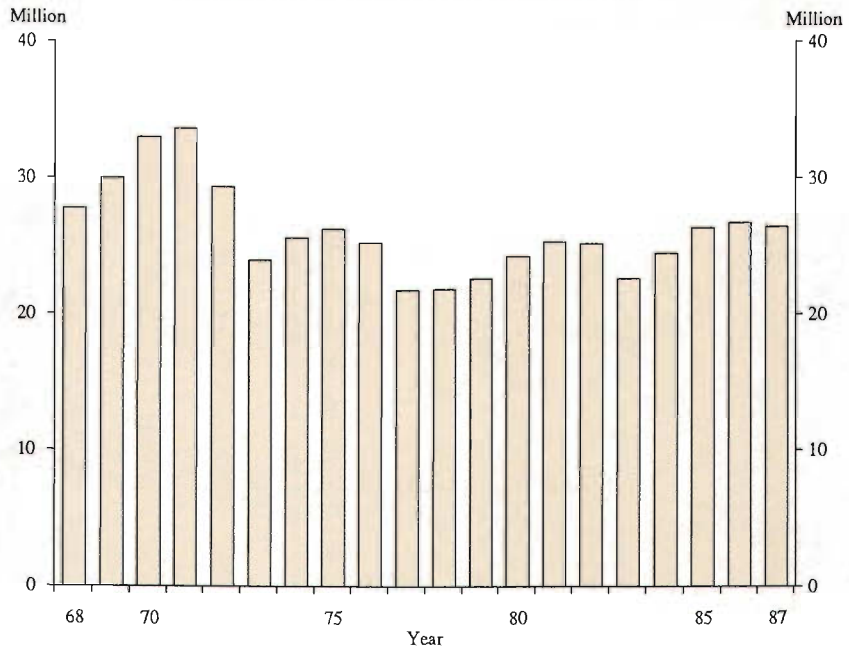
Sheep

At 31 March 1987, the Victorian sheep population was 26.6 million head, well below the 1971 peak of 33.8 million head. Almost 60 per cent of the State's sheep flock is located in the South Western, Central Highlands, and Wimmera Statistical Divisions.

Sheep breeds

Sheep can be divided broadly into 'wool' and 'meat' breeds. The distinction is necessarily an arbitrary one, since wool is an important source of income from ewes kept for prime lamb production, while mutton is produced mainly from surplus or aged sheep from 'woolgrowing' flocks.

SHEEP NUMBERS, VICTORIA, AT 31 MARCH



Lambing

The lambing performance of the Victorian flock has fluctuated according to seasonal conditions around a six year average of 84.8 lambs marked for each 100 ewes mated.

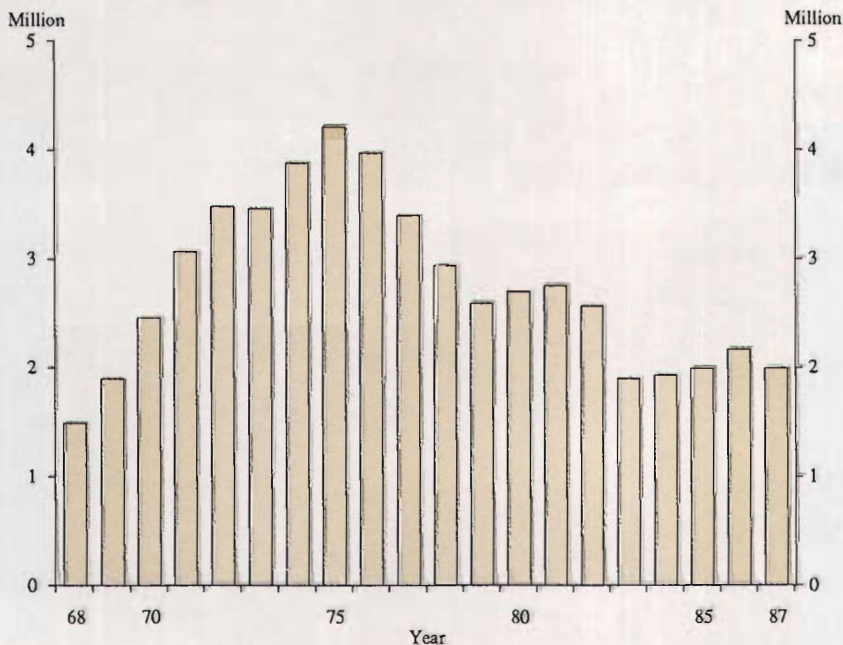
Victoria's largest lambing season occurred in 1970-71, when 12.7 million lambs were marked from 14.8 million ewes mated (86 per cent), but in 1983-84 reduced matings led to the smallest lambing season (8.4 million) since 1978-79. This increased sharply in 1984-85 when 10.4 million lambs were marked from 11.7 million ewes mated (89 per cent). Since then there has been a slight decline, with 9.0 million lambs marked from 10.5 million lambs mated (86 per cent) in 1986-87.

Mutton and lamb production

Mutton, the meat from adult sheep, is mainly produced from surplus sheep from the wool industry so that production patterns correspond closely to expansions and contractions in that industry. In 1986-87 mutton production was 75,000 tonnes, well down on the 1971-72 peak of 247,000 tonnes.

Prime lamb producers are found throughout the State. However, early to mid-season producers are distributed in a broad band across northern Victoria, including some irrigated areas. In addition, a considerable number of early lambs are brought from southern New South Wales for slaughter in Victoria. Mid to late-season producers are located mainly in the South Western, Central Highlands, Central Gippsland, and parts of the North Eastern Statistical Divisions of the State. In 1986-87, 130,000 tonnes of lamb were produced.

MEAT CATTLE NUMBERS, VICTORIA, AT 31 MARCH



Meat cattle

The Victorian environment is very favorable for beef production with cattle able to graze on pasture throughout the year.

Most of the Victorian breeding herd are in the South Western, Goulburn, North Eastern, East Gippsland, and Central Gippsland Statistical Divisions. A significant proportion of Victorian beef and veal production was exported during 1986-87, the main markets being the USA, Japan, United Arab Emirates, and Saudi Arabia. During 1986-87, total Australian beef and veal exports decreased, as did exports to the main markets.

Milk cattle

Dairy farming in Victoria is largely confined to the higher rainfall areas of Gippsland, the Western District, and the northern irrigation areas. With minor fluctuations, milk cattle numbers have been gradually declining from the 1973 peak of 1,977,000. There were 1,464,000 milk cattle at 31 March 1987.

TABLE 6.25 NUMBER OF CATTLE (a) BY BREED AND TYPE, VICTORIA, AT 31 MARCH 1987

<i>Breeds of cattle</i>	<i>Bulls 1 year and over</i>	<i>Cows and heifers 1 year and over</i>	<i>Calves under 1 year</i>	<i>Other cattle (e.g. steers bullocks, etc.)</i>	<i>Total cattle</i>
Straight breeds (b) -					
Angus	10,525	151,273	77,622	48,168	287,588
Australian Illawarra Shorthorn	71	2,516	750	70	3,407
Ayrshire	230	6,877	1,369	69	8,545
Charolais	591	7,102	4,252	2,289	14,234
Devon	141	2,848	1,541	476	5,006
Holstein-Friesian	8,699	714,395	139,347	8,755	871,196
Galloway	189	1,701	658	280	2,828
Guernsey	195	6,634	1,171	1	8,001
Hereford (including Poll)	28,515	524,619	256,160	203,825	1,013,119
Jersey	6,826	315,214	54,670	836	377,546
Murray Grey	2,739	34,643	17,887	7,157	62,426
Santa Gertrudis	257	2,513	1,385	592	4,747
Shorthorn (including Poll)	2,504	44,666	19,892	8,769	75,831
Simmental	1,092	9,303	4,073	1,361	15,829
Other	765	11,002	4,498	986	17,251
Total straight breeds	63,339	1,835,306	585,275	283,634	2,767,554
Cross breeds (c) -					
British/British	743	144,817	90,956	44,344	280,860
Brahman/British	91	3,186	2,142	1,151	6,570
Other Tropical/British	50	2,051	2,091	805	4,997
European/Other	178	20,552	13,711	6,972	41,413
Beef/Dairy Breeds (d)	742	140,460	83,416	24,883	249,501
Other	607	100,287	19,244	1,931	122,069
Total cross breeds	2,411	411,353	211,560	80,086	705,410
Total Victoria	65,750	2,246,659	796,835	363,720	3,472,964

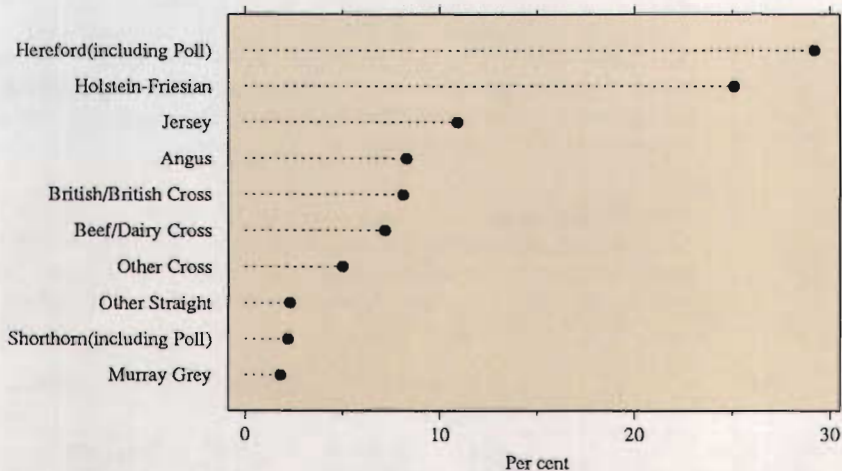
(a) Excludes house cows.

(b) Straight breeds include all pure bred and other animals of a recognised breed, e.g. British Breeds - Angus, Devon, Poll Devon, Galloway, Hereford, Poll Hereford, Murray Grey, Shorthorn, Poll Shorthorn, etc. Tropical Breeds - Africander, Breaford, Brahman, Brangus, Droughtmaster, Sahiwal, Sindhi, Santa Gertrudis, etc. European Breeds - Charolais, Chianina, Limousin, Simmental, etc. Dairy Breeds - AIS, AFS, AMA, Ayrshire, Friesian, Guernsey, Jersey, etc.

(c) Cross breeds include any known or recognisable mixture of the above group of breeds.

(d) Includes any beef/dairy cross animal regardless of specific breed.

BREEDS OF CATTLE: PERCENTAGE SHARE OF COMPONENT BREEDS TO TOTAL, BULLS AND TOTAL CATTLE (a), VICTORIA, AT 31 MARCH 1987



(a) Excludes house cows.

Pigs

Approximately two-thirds of the pig meat consumed in Victoria is produced in this State. The remaining one-third is acquired from other States.

The number of commercial establishments with pigs declined from 1,858 in 1982-83 to 1,232 in 1986-87. During the same period the average herd size increased from 208 to 351 pigs. This trend toward fewer but larger units is expected to continue, with the bulk of the industry becoming increasingly capital-intensive and established in grain growing areas.

The number of pigs in Victoria at 31 March 1987 was 431,832.

Poultry

The trend in the Victorian egg industry has been towards larger specialised farms, with egg producers, hatcheries, and pullet growers using modern poultry housing, equipment, and labour saving machinery.

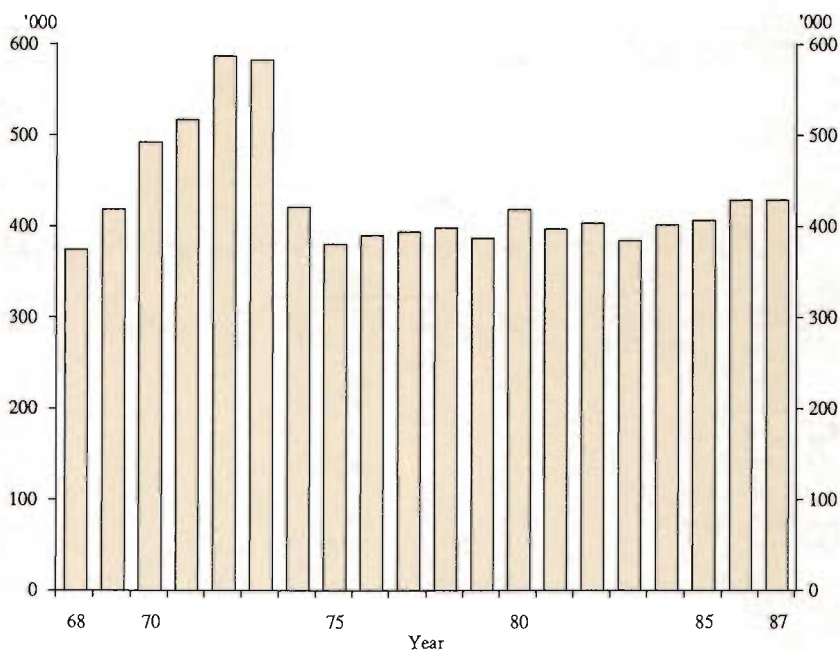
The main areas of commercial egg production in Victoria are centred on the outskirts of the Melbourne metropolitan area and in the Bendigo district, together with a large centre around Geelong, and substantial flocks in Ballarat, the Wimmera, Goulburn Valley, the north-east, and the La Trobe Valley.

Farms consisting of one person or one family usually manage 5,000 to 15,000 layers. There are, however, many larger farms employing labour with up to 40,000 layers, and a few with much bigger establishments.

In 1986-87, there were 67.3 million chickens, hens, stags, and ducks and drakes slaughtered for human consumption. The total dressed weight was 94,285 tonnes.

Most broiler farms range in capacity from 30,000 to 100,000 broilers, and with the present average of 5.5 batches of broiler chickens a year, these farms may produce from 165,000 to 550,000 broilers a year.

PIG NUMBERS, VICTORIA, AT 31 MARCH



The main broiler production centres are located on the Mornington Peninsula, in areas south-east and east of Melbourne, and in the Geelong area - near the processing works and the main centres of consumption. Most of Victoria's production is consumed locally, with very little being exported.

Apiculture

Honey production in Victoria was 3,107 tonnes in 1986-87. The bulk of the honey produced is sold to large processors who clarify and pack the honey. About 50 per cent of the annual production is exported, chiefly to the United Kingdom.

TABLE 6.26 SELECTED LIVESTOCK NUMBERS (a), VICTORIA ('000)

Season	Cattle			Sheep	Pigs
	Dairy	Beef	Total		
1981-82	1,530	2,591	4,121	25,341	405
1982-83	1,488	1,921	3,408	22,748	387
1983-84	1,535	1,952	3,487	24,632	404
1984-85	1,559	2,017	3,576	26,471	410
1985-86	1,534	2,187	3,720	26,895	432
1985-86 (a)	1,513	1,870	3,383	25,716	427
1986-87	1,464	2,014	3,478	26,586	432

(a) See footnote (b) to Table 6.7.

TABLE 6.27 LIVESTOCK SLAUGHTERED, VICTORIA
('000)

<i>Types of livestock</i>	<i>1981-82</i>	<i>1982-83</i>	<i>1983-84</i>	<i>1984-85</i>	<i>1985-86</i>	<i>1986-87</i>
Sheep	3,869	3,651	2,061	3,301	3,863	3,857
Lambs	6,174	6,390	6,207	6,777	7,987	6,634
Cattle and calves	2,413	2,668	1,992	1,971	2,045	2,081
Pigs	1,138	1,167	1,237	1,298	1,020	849

TABLE 6.28 SHEEP AND LAMBS BY STATISTICAL DIVISION AT 31 MARCH 1987
('000)

<i>Statistical division</i>	<i>Rams</i>	<i>Ewes</i>	<i>Wethers</i>	<i>Lambs</i>	<i>Total</i>
Melbourne	2	99	75	47	222
Barwon	19	766	320	342	1,446
South Western	87	4,044	1,933	1,891	7,956
Central Highlands	33	1,711	1,247	792	3,784
Wimmera	38	1,764	1,334	767	3,902
Northern Mallee	15	755	301	292	1,363
Loddon-Campaspe	29	1,383	939	610	2,961
Goulburn	32	1,369	668	496	2,565
North Eastern	8	339	158	122	628
East Gippsland	8	439	266	197	910
Central Gippsland	10	439	139	186	774
East Central	1	42	1	29	74
Total Victoria	284	13,151	7,381	5,770	26,586

TABLE 6.29 LAMBING, VICTORIA

<i>Season</i>	<i>Ewes mated</i>	<i>Lambs marked</i>	<i>Percentage of lambs marked to ewes mated</i>
	'000	'000	per cent
1981-82	11,066	8,887	80
1982-83	11,018	9,246	84
1983-84	10,112	8,362	83
1984-85	11,744	10,446	89
1985-86	11,269	9,746	86
1985-86 (a)	10,801	9,344	86
1986-87	10,479	9,001	86

(a) See footnote (b) to Table 6.7.

TABLE 6.30 SHEEP SHORN AND WOOL CLIPPED, VICTORIA

Season	Number Shorn		Wool clipped (including crutchings)		Average	
	Sheep	Lambs	Sheep	Lambs	Per sheep	Per lamb
	'000	'000	tonnes	tonnes	kg	kg
1981-82	25,360	6,802	115,633	9,509	4.56	1.40
1982-83	22,390	5,920	101,556	8,403	4.54	1.42
1983-84	22,977	5,277	110,715	8,949	4.82	1.70
1984-85	25,784	8,306	129,728	12,744	5.03	1.53
1985-86	27,430	7,548	129,641	11,200	4.72	1.48
1985-86 (a) (b)	23,189	6,381	109,597	9,469	5.03	1.56
1986-87 (a) (b)	22,978	5,942	115,684	9,281	5.03	1.56

(a) Calculated directly from Census data collected at 31 March. Previous data were 'industry best estimates' compiled at 30 June - see publication 7211.0 for details.

(b) See footnote (b) to Table 6.7.

TABLE 6.31 SHEEP SHORN AND WOOL CLIPPED BY STATISTICAL DIVISION, SEASON 1986-87

Statistical division	Number Shorn		Wool clipped (including crutchings)		Average	
	Sheep	Lambs	Sheep	Lambs	Per sheep	Per lamb
	'000	'000	tonnes	tonnes	kg	kg
Melbourne	213	49	1,112	74	5.22	1.51
Barwon	1,276	370	6,178	556	4.84	1.50
South Western	7,056	2,034	34,626	3,169	4.91	1.56
Central Highlands	3,351	701	16,140	1,096	4.82	1.56
Wimmera	3,345	773	18,222	1,248	5.45	1.61
Northern Mallee	943	251	5,194	443	5.51	1.76
Loddon-Campaspe	2,527	655	13,845	1,039	5.48	1.59
Goulburn,	2,213	568	10,815	872	4.89	1.54
North Eastern	545	131	2,473	193	4.54	1.47
East Gippsland	827	181	3,925	256	4.75	1.41
Central Gippsland	638	210	2,946	309	4.62	1.47
East Central	45	19	208	27	4.62	1.42
Total Victoria	22,978	5,942	115,684	9,281	5.03	1.56

TABLE 6.32 TOTAL WOOL PRODUCTION, VICTORIA

Season	Clip	Stripped from or exported on skins (greasy)		Total quantity (greasy)
		tonnes	tonnes	
1981-82	125,142		22,445	147,587
1982-83	109,959		22,486	132,445
1983-84	119,664		22,409	142,074
1984-85	142,472		24,816	167,288
1985-86	140,841		30,067	170,908
1985-86 (a)	135,102		n.a.	n.a.
1986-87	124,965		32,954	157,919

(a) See footnote (b) to Table 6.7.

**TABLE 6.33 DISTRIBUTION OF MEAT CATTLE BY STATISTICAL DIVISION
AT 31 MARCH 1987
(^{'000})**

Statistical division	Bulls for service		Cows and heifers	Calves under 1 year	Other (a)	Total
	1 year and over	Under 1 year				
Melbourne	2	1	53	30	17	104
Barwon	2	1	47	24	16	90
South Western	11	3	231	102	71	419
Central Highlands	2	1	41	21	12	77
Wimmera	1	-	18	10	5	35
Northern Mallee	1	-	22	17	7	47
Loddon-Campaspe	3	1	60	47	22	133
Goulburn	7	2	136	78	43	267
North Eastern	5	1	142	76	51	276
East Gippsland	4	1	89	47	16	158
Central Gippsland	7	2	153	89	89	341
East Central	1	-	34	18	14	68
Total Victoria	48	15	1,028	559	364	2,014

(a) Steers and bullocks, 1 year and over.

**TABLE 6.34 DISTRIBUTION OF MILK CATTLE BY STATISTICAL DIVISION
AT 31 MARCH 1987
(^{'000})**

Statistical division	Bulls for service		Cows and heifers for milk and cream				Total
	1 year and over	Under 1 year	Cows in milk and dry	Heifers		House cows and heifers	
				1 year and over	Under 1 year		
Melbourne	-	-	19	6	4	-	29
Barwon	1	-	72	18	16	-	107
South Western	4	1	200	47	44	1	297
Central Highlands	-	-	6	2	2	-	11
Wimmera	-	-	2	1	-	1	4
Northern Mallee	-	-	24	6	6	-	36
Loddon-Campaspe	1	1	88	23	21	1	134
Goulburn	3	1	203	48	47	1	304
North Eastern	1	-	43	11	9	1	64
East Gippsland	1	-	50	12	11	-	74
Central Gippsland	4	1	243	58	52	-	359
East Central	1	-	31	8	6	-	46
Total Victoria	18	5	980	238	218	5	1,464

TABLE 6.35 MILK PRODUCTION, VICTORIA

Year ended 30 June -	Million litres
1982	3,028
1983	3,164
1984	3,425
1985	3,540
1986	3,575
1987	3,692

**TABLE 6.36 PIGS AND PIG KEEPERS BY STATISTICAL DIVISION
AT 31 MARCH 1987**

<i>Statistical division</i>	<i>Boars</i>	<i>Breeding sows</i>	<i>All other</i>	<i>Total pigs</i>	<i>Pig keepers</i>
Melbourne	259	3,324	23,439	27,022	31
Barwon	82	1,081	7,937	9,100	32
South Western	186	2,192	16,532	18,910	106
Central Highlands	151	2,074	17,399	19,624	41
Wimmera	381	4,854	35,213	40,448	219
Northern Mallee	300	3,305	23,687	27,292	191
Loddon-Campaspe	1,215	18,975	164,313	184,503	246
Goulburn	625	8,520	65,559	74,704	181
North Eastern	179	2,134	16,056	18,369	89
East Gippsland	47	467	2,863	3,377	27
Central Gippsland	103	1,372	5,796	7,271	55
East Central	22	185	1,005	1,212	14
Total Victoria	3,550	48,483	379,799	431,832	1,232

**TABLE 6.37 POULTRY SLAUGHTERED FOR HUMAN
CONSUMPTION, VICTORIA
('000)**

<i>Year ended 30 June-</i>	<i>Chickens (i.e. broilers, fryers, or roasters)</i>	<i>Hens and stags</i>	<i>Ducks and drakes</i>
1982	42,351	2,508	316
1983	42,315	2,330	389
1984	46,061	2,308	444
1985	55,995	2,264	452
1986	61,644	2,614	616
1987	64,242	2,441	637

**TABLE 6.38 DRESSED WEIGHT OF POULTRY SLAUGHTERED,
FRESH AND FROZEN (a) (b), VICTORIA
('000 kg)**

<i>Year ended 30 June-</i>	<i>Chickens (i.e. broilers, fryers, or roasters)</i>	<i>Hens and stags</i>	<i>Ducks and drakes</i>
1982	55,526	3,660	563
1983	51,960	4,051	634
1984	61,503	4,249	750
1985	75,086	3,337	865
1986	84,434	4,029	1,132
1987	89,124	3,959	1,202

(a) Dressed weight of whole birds, pieces, and giblets intended for sale as reported by producers.

(b) Fresh: sold immediately after slaughter or chilled for sale soon after.

Frozen: frozen hard for storage of indefinite duration.

TABLE 6.39 EGGS - TOTAL RECORDED PRODUCTION, VICTORIA

<i>Year</i>	<i>Dozens</i>
1981-82	50,825,162
1982-83	52,346,946
1983-84	49,960,839
1984-85	49,416,391
1985-86	50,114,360
1986-87	49,369,871

Source: Victorian Egg Marketing Board

TABLE 6.40 BEEHIVES, HONEY, AND BEESWAX, VICTORIA

<i>Year ended 30 June-</i>	<i>Beekeepers</i>	<i>Production</i>		
		<i>Hives</i>	<i>Honey</i>	<i>Beeswax</i>
	<i>number</i>	<i>number</i>	<i>tonnes</i>	<i>tonnes</i>
1982	444	95,038	5,388	99
1983	406	89,796	2,705	48
1984	381	85,596	3,603	65
1985	436	95,130	4,224	89
1986	456	101,002	4,210	81
1986 (a)	107	58,116	3,022	58
1987	111	58,948	3,107	52

(a) See footnote (b) to Table 6.7.

REFERENCES

ABS publications

- Agricultural Industries, Australia, Structure of Operating Units (7102.0)*
Principal Agricultural Commodities, Australia, Preliminary (7111.0)
Principal Agricultural Commodities, Victoria, Preliminary (7111.2)
Selected Agricultural Commodities, Australia, Preliminary (7112.0)
Shearing and Wool Production Forecast, Australia, Preliminary (7210.0)
Sheep Numbers, Shearing and Wool Production Forecast, Australia, Preliminary (7211.0)
Livestock Products, Australia (7215.0)
Livestock and Livestock Products, Victoria (7221.2)
Crops and Pastures, Victoria (7321.2)
Fruit, Victoria (7322.2)
Apples and Pears in Cool Stores, Victoria (7323.2)
Agricultural Land Use and Selected Inputs, Victoria (7411.2)
Value of Agricultural Commodities Produced, Victoria (7501.2)
Value of Selected Agricultural Commodities Produced, Australia, Preliminary (7502.0)
Value of Agricultural Commodities Produced, Australia (7503.0)

Non-ABS source

- Department of Management and Budget, Victoria, estimates of State accounts compiled by the Policy Planning Division*
Victorian Egg Marketing Board