

Victoria



**Australian
Bureau of
Statistics**

**Agricultural Land
Use and
Selected Inputs
Victoria, 1987-88**

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Agricultural Land Use and Selected Inputs Victoria, 1987-88

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AGRICULTURAL LAND USE AND SELECTED INPUTS, VICTORIA, 1987-88

INQUIRIES Inquiries concerning these statistics may be made by telephoning Information Services (Agricultural statistics) on Melbourne (03) 615 7000; for advice on the interpretation of these statistics, ask for David Miller.

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MAP

Introduction

This publication contains 1987-88 details of the number of establishments with agricultural activity, area, and land utilisation, together with usage, of selected inputs such as artificial fertilisers, soil conditioners, and fuels used, plus comparative statistical series for previous years where available. Tables providing some information on the value of production, employment, and structure are also included. Most statistics in this publication are derived from the annual Agricultural Census conducted at 31 March which collects commodity data from Victorian establishments with agricultural activity.

Scope and coverage

2. The ABS excludes from the Census those establishments which make only a small contribution to overall agricultural production. From 1986-87 the scope of the Census is establishments undertaking agricultural activity having an Estimated Value of Agricultural Operations (EVAO) of \$20,000 or more. The scope of previous Censuses was establishments undertaking agricultural activity having an EVAO of \$2,500 or more (See Section IV - Structural and Financial Statistics).

Some basic information will be produced for those establishments having an EVAO of between \$5,000 and \$19,999, inclusive.

3. The change in scope means that the current census results are not directly comparable with Census results prior to 1985-86. Users are advised to refer to the 1987 issue of *Agricultural Land Use and Selected Inputs, Victoria (1986-87)* where selected 1985-86 census data have been retabulated on both a \$2,500 and a \$20,000 EVAO basis.

4. Time series graphs presented in this publication show breaks in series for 1986-87 due to the change in scope as outlined above.

5. Owing to the differing climatic conditions which govern the period of the harvesting of crops it is not possible to define with any degree of precision what period is covered by the term 'season'. As a general rule, however, a season can be taken to cover production of most crops during the year ended March, with the remainder during the period commencing with the previous November, and ending with the following May. Area of crops, therefore, comprises those crops harvested during the year ended 31 March and those crops planted before 31 March but not harvested by that date.

6. Items collected for 1987-88 (on a rotational basis), and published in this issue include:

- artificial fertiliser used
- soil conditioners used

Statistics published in the previous issue but not collected in respect of 1987-88 are:

- legal status of the business operating at holding
- area of pastures and crops irrigated, method of irrigation and source of water

Australian Standard Geographical Classification - Statistical Local Areas

7. Establishments in the Agricultural Census from 1985-86 are classified according to the Australian Standard Geographical Classification (ASGC), 3rd edition. The Statistical Local Areas (SLAs) of the ASGC are either identical to or have been aggregated to legal Local Government Areas (legal LGAs) previously published with three exceptions. The Shires of Cranbourne, Healesville, and Pakenham are each composed of two SLAs which are now shown separately one within Melbourne Statistical Division (MSD) and the other in East Central Statistical Division.

From 1985-86 Berwick (C) has been included in MSD. Previously Berwick (C) was included with Pakenham (S), East Central Statistical Division.

The other statistical divisions are unchanged.

For tables showing data at the SLA level, the following variations from the standard format of the detailed main structure of the ASGC are used:

- (a) Statistical subdivisions are not shown.
- (b) SLAs outside the MSD which are designated City, Borough, or town, are combined with those for the shire of the same name where such exists. Otherwise they have been included with the adjacent or surrounding shire as indicated in the table.
- (c) SLAs which are predominantly urbanised within the MSD are combined into an 'Other' category as their agricultural statistics make only a marginal contribution to the MSD total.
- (d) SLAs are not shown in tables for which they have no contributing statistics.

Statistical divisions

8. Victoria has been divided into 12 statistical divisions since 1974. These correspond with the regions adopted by the Victorian Government in October 1981 except in the cases of the Metropolitan region and, because of consequential effects, the Central Highlands and Loddon-Campaspe regions. The Victorian Government's Metropolitan region comprises the Melbourne and East Central Statistical Divisions and the Shires of Bacchus Marsh and Gisborne.

Related publications

9. Users may also wish to refer to the following ABS publications which are available on request:

Agricultural Industries, Australia, Structure of Operating Units (7102.0) (annual) \$11.50
Principal Agricultural Commodities, Victoria, Preliminary (7111.2) (annual) \$4.50
Livestock and Livestock Products, Victoria (7221.2) (annual) \$10.00
Crops and Pastures, Victoria (7321.2) (annual) \$11.50
Fruit, Victoria (7322.2) (annual) \$7.50
Apples and Pears in Cool Stores, Victoria (7323.2) (monthly, March-November) \$27.00 p.a.
Value of Agricultural Commodities Produced, Victoria (7501.2) (annual) \$7.50

10. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0), which is available from any ABS Office.

Other forms of release of agricultural statistics

11. In addition to releasing printed publications, the Agricultural Data Dissemination Service (ADDS) provides statistics on magnetic tape, microfiche and floppy disk. ADDS contains data in Commodity by Area and Area by Commodity format for all commodities and areas within Australia, at the statistical local area level of aggregation. ADDS is now available on floppy disk in Commodity by Area format. Details are contained in *Agricultural Data Dissemination Service (ADDS) on magnetic tape, microfiche, and floppy disk, Australia 1986-87* (7107.0) available free on request. ADDS data are available for each year from 1976-77 to 1986-87, and in general a charge is made. 1987-88 information will be available early in 1989.

12. Agricultural statistics on magnetic tape are also available at the parish group level of aggregation in Victoria for each year 1975-76 to 1986-87.

Unpublished agricultural statistics

13. In some cases the ABS can also provide additional information which is unpublished such as at the parish and statistical local area level of aggregation. In general a charge is made for this service.

14. Electronic services

VIATEL Key *656# for selected current economic, social and demographic statistics.

AUSSTATS Thousands of up-to-date time series are available on this ABS on-line service through CSIRONET.

For further information phone the AUSSTATS help desk on (062) 52 6017.

TELESTATS This service provides foreign trade statistics tailored to user's requirements.

Further information is available on (062) 52 5404.

Floppy disk service

Selected ABS statistics are available on floppy disk. Further information is available on (062) 52 6884.

Recorded message services

Dial-a-statistic has the latest Victorian and Australian figures on *Unemployment and Average Weekly Earnings*. Telephone (03) 615 7788

CPI-Hotline has the latest *Consumer Price Index* and movement data for Melbourne and Australia. Telephone (03) 615 7777.

Symbols and other usages

n.a.	not available
n.e.c.	not elsewhere classified
n.p.	not available for publication, but included in totals where applicable
p	preliminary
r	figure or series revised since previous issue
*	Included for completeness. Sampling variability too high for most practical purposes
SE	standard error
+	percentage standard error greater than 100
	Break in series

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

DICK CROCKETT

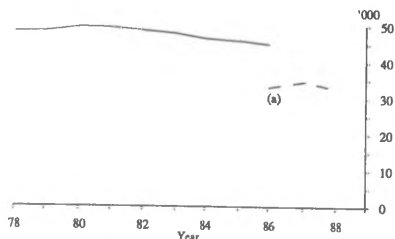
Deputy Commonwealth Statistician

Agricultural establishments

At 31 March 1988 there were 32,688 establishments in Victoria with agricultural activity, 5.5 per cent fewer than in the previous year. These establishments occupied just over 13 million hectares, or 57.5 per cent of the total area of Victoria. This represented a decline of 42,000 hectares, or 0.3 per cent compared with 31 March 1987 (Table 1).

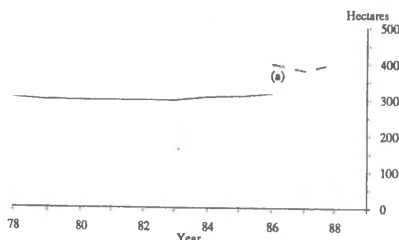
The average size of agricultural establishments in Victoria at 31 March 1988 was 400 hectares, 5.5 per cent larger than in the previous year (Table 1). However, this average varied significantly between statistical divisions, with the largest average holdings being recorded for East Gippsland (795 ha), the Wimmera (707 ha), and Northern Mallee (677 ha) and the smallest for the East Central (112 ha), and Melbourne (115 ha) Statistical Divisions (Table 2).

NUMBER OF ESTABLISHMENTS
WITH AGRICULTURAL ACTIVITY,
VICTORIA, AT 31 MARCH



(a) See Explanatory notes, paragraph 2.

AVERAGE AREA OF ESTABLISHMENTS
WITH AGRICULTURAL ACTIVITY,
VICTORIA, AT 31 MARCH



(a) See Explanatory notes, paragraph 2.

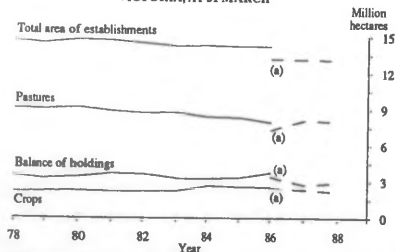
Almost one third (31.1 per cent) of agricultural establishments in Victoria were less than 100 hectares in size and just over half (51.2 per cent) were less than 200 hectares. Only 7.9 per cent of establishments were 1000 hectares or larger, with more than half of these being in the Wimmera and Northern Mallee Statistical Divisions, the major cereal producing areas of the State (Table 5).

Land use

The proportion of land used for agricultural activity varied between statistical divisions, being generally higher in western Victoria than in the east of the state. More than 70 per cent of the land available in the Northern Mallee, Wimmera and South Western Statistical Divisions was used for agricultural purposes in 1987-88. (Table 3).

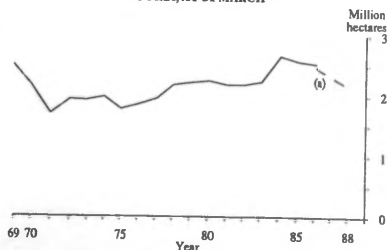
In 1987-88 in Victoria, 2.2 million hectares or 16.5 per cent of the total area of agricultural establishments was used for crops. There were significant differences between statistical divisions, with the area used for crops ranging from only 0.8 per cent in East Gippsland to 33.1 per cent in the Wimmera.

AGRICULTURAL LAND USE,
VICTORIA, AT 31 MARCH



(a) See Explanatory notes, paragraph 2.

AREA OF CROPS,
VICTORIA, AT 31 MARCH



(a) See Explanatory notes, paragraph 2.

Sown pastures and grasses represented the largest single use of agricultural land in most statistical divisions in Victoria, (with the exception of Northern Mallee and East Gippsland), accounting in total for almost 6 million hectares in 1987-88.

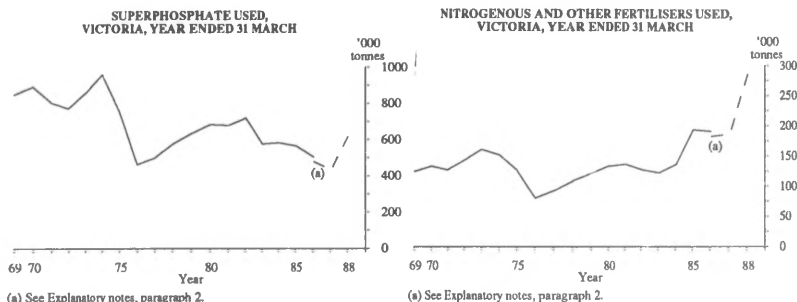
The area under native pastures totalled just over 2 million hectares in 1987-88, representing 15.5 per cent of the total area of agricultural activity in the State. (Table 2).

Fertilizers and Soil Conditioners

During the year ended 31 March 1988 fertilizers were used on more than a third (37.7 per cent) of the total area of pastures and on a significant majority (83.4 per cent) of the total area of crops in Victoria.

Total usage of fertilizers during the year was 906,700 tonnes, applied to an area of 4,812,400 hectares and resulting in an average of 188 kilograms per hectare, or almost 25 per cent more than in 1986-87 (Table 7).

Superphosphates (including superphosphates with trace elements) accounted for almost 70 per cent of the total fertilizers applied to soils in Victoria, while potash or mixtures of potash and superphosphates comprised a further 20 per cent.



Of 351,700 tonnes of soil conditioners used in 1987-88, just over two thirds (68.1 per cent) was gypsum and over a quarter (28.4 per cent) was lime. The total area treated during the year was 288,300 hectares, resulting in an average application of 1.2 tonnes of soil conditioner per hectare treated (Table 9).

Energy consumption

Total energy consumption by agricultural establishments fell slightly in 1987-88 to 15.6 million gigajoules, 2.3 per cent less than the previous year and 9.4 per cent less than in 1986-87. However, per capita energy consumption by agricultural establishments continued to rise, from 462 gigajoules in 1986-87 to 477 gigajoules in 1987-88 (Table 12).

In terms of energy equivalence, distillate was still the most commonly used source of energy (46.6 per cent), followed by motor spirit (petrol) at 38.1 per cent. Electricity usage showed the only increase in 1987-88, with per capita consumption rising 7.0 per cent compared with the previous year.

Estimated value of agricultural operations (EVAO)

In 1987-88 almost two thirds (66.0 per cent) of agricultural establishments had an EVAO of less than \$100,000 and only 9.8 per cent had an EVAO of \$200,000 or more. However there were significant differences between agricultural industries, with poultry (for eggs) having the highest proportion of establishments with an EVAO of \$200,000 and over (53.5 per cent), and meat cattle having the lowest proportion of establishments (1.9 per cent) (Table 14).

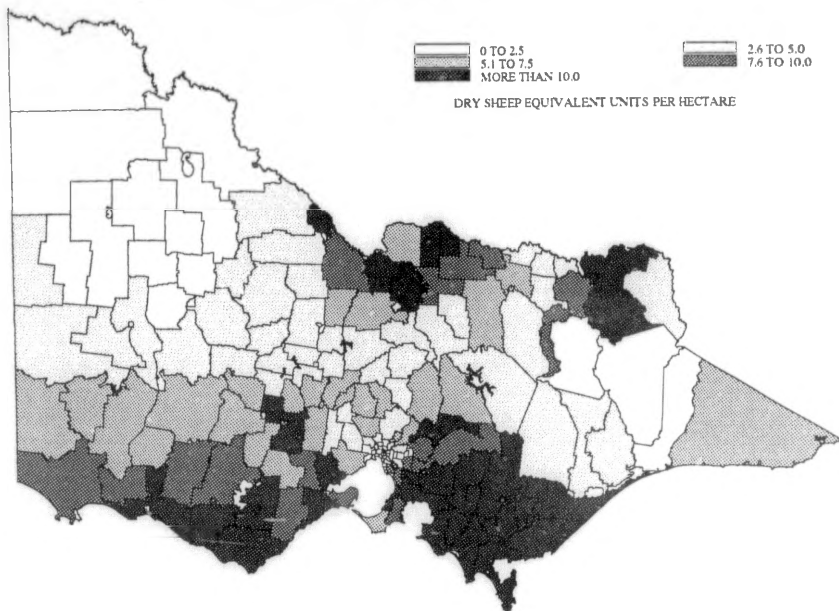
SECTION I: SUMMARY
**TABLE 1. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY,
 LAND UTILISATION, AND SELECTED INPUTS, VICTORIA**

Particulars		1985-86	1986-87	1987-88
	At 31 March			
Number of establishments (a)	Number	32,981	34,583	32,688
Average size of establishments	ha	399	380	400
Area of -				
Crops (b) (c)	'000 ha	2,477	2,316	2,158
Sown pastures and grasses (c)	'000 ha	5,356	5,820	5,970
Balance of establishments (d)	'000 ha	5,320	4,991	4,957
Total area of establishments	'000 ha	13,152	13,127	13,085
Total area of Victoria	'000 ha	22,760	22,760	22,760
Employment (e)				
Employed persons in agriculture and services to agriculture -	February quarter			
Males	'000	67	66	61
Females	'000	31	30	31
Total	'000	97	96	92
	Year ended 31 March			
Fertilisers -				
Area fertilised	'000 ha	4,133	4,094	4,812
Quantity used -				
Superphosphate	'000 tonnes	478	433	620
Straight nitrogenous types	'000 tonnes	24	24	34
Straight potash and mixtures of superphosphate and potash	'000 tonnes	105	108	179
Other types and mixtures	'000 tonnes	54	54	74
Fuels (f) -				
Motor spirit (petrol) - usage	'000 litres	203,080	168,156	170,436
- energy equivalence	GJ	7,087,490	6,191,734	5,948,226
Distillate	'000 litres	198,690	182,224	190,046
- energy equivalence	GJ	7,609,826	7,394,394	7,278,781
Liquefied petroleum gas	'000 kgs	10,900	10,538	10,783
- energy equivalence	GJ	549,374	570,137	543,480
Electricity	'000 kwh	546,583	486,839	509,264
- energy equivalence	GJ	1,967,699	1,813,612	1,833,351
Total energy consumption	GJ	17,214,389	15,969,877	15,603,838

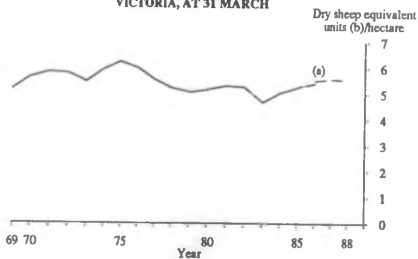
(a) Includes non-land-based beekeeping establishments. (b) Excludes pastures and grasses harvested for hay and seed which have been included in "Sown pastures and grasses". (c) An area double cropped or an area of pasture also planted to crop has been counted separately each time used. (d) Includes areas lying idle, fallow, etc. (e) Source: Labour Force Survey, refer to Section III Explanatory notes paragraphs 1 to 3. (f) Refer to notes above Table 12.

AVERAGE STOCKING RATE – DRY SHEEP EQUIVALENT

BY S.L.A., VICTORIA AT 31 MARCH 1988



AVERAGE STOCKING RATE,
VICTORIA, AT 31 MARCH



(a) See Explanatory notes, paragraph 2.

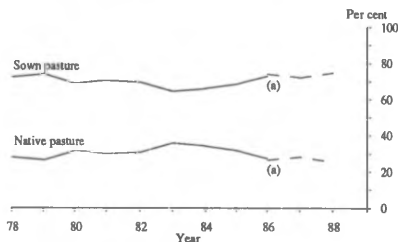
(b) 1 Meat Beast = 8 sheep units 1 Milk Beast = 12 sheep units

TABLE 2. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, BY STATISTICAL DIVISION, 1987-88

<i>Statistical division</i>	<i>Number of establishments (a)</i>	<i>Area used for crops (b) (c)</i> (<i>'000 ha</i>)	<i>Sown pasture (d)</i> (<i>'000 ha</i>)	<i>Native pasture</i> (<i>'000 ha</i>)	<i>Balance of holding</i> (<i>'000 ha</i>)	<i>Total area of establishments</i> (<i>'000 ha</i>)
Melbourne	1,712	20	100	33	44	197
Barwon	1,620	45	266	74	64	448
South Western	4,912	53	1,294	235	166	1,748
Central Highlands	1,785	70	484	136	87	777
Wimmera	3,353	785	876	208	502	2,371
Northern Mallee	3,655	693	531	398	853	2,475
Loddon-Campaspe	3,247	279	700	267	256	1,502
Goulburn	4,988	150	720	225	170	1,265
North Eastern	1,912	42	294	112	254	703
East Gippsland	1,222	8	224	270	469	971
Central Gippsland	3,517	10	421	54	57	542
East Central	765	4	60	11	11	86
Total Victoria	32,688	2,159	5,970	2,024	2,933	13,086

(a) Includes non-land-based beekeeping establishments. (b) Excludes area of pasture cut for hay or seed. (c) Duplicated area included if double-cropping occurred. (d) Includes pure lucerne.

**AREA OF SOWN AND NATIVE PASTURE
AS A PERCENTAGE OF TOTAL PASTURE,
VICTORIA, AT 31 MARCH**



(a) See Explanatory notes, paragraph 2.

TABLE 3. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, SUMMARY BY STATISTICAL LOCAL AREA (SLA) AND STATISTICAL DIVISION, VICTORIA, 1987-88

Statistical local area	Number of establishments (a)	Area of establishments ('000 hectares)				Total occupied	Total area of SLA
		Under crop during year(b)(c)	Sown pasture (d)	Native pasture	Balance of holding		
Berwick (C)	11	-	0.6	0.1	0.1	0.8	11.9
Bulla (S)	65	1.4	8.2	3.6	1.2	14.4	42.2
Cranbourne (S) - Pt A	404	3.0	21.6	4.3	4.6	33.6	39.8
Diamond Valley (S)	12	-	0.1	0.2	0.1	0.5	8.5
Eltham (S)	36	0.1	2.5	0.3	0.5	3.4	27.7
Flinders (S)	100	0.8	6.4	2.0	7.3	16.6	32.4
Hastings (S)	140	0.9	4.4	0.6	1.7	7.6	28.1
Healesville (S) - Pt A	70	0.3	3.2	0.8	1.0	5.3	29.0
Lillydale (S)	284	2.0	8.8	1.6	3.3	15.7	39.8
Melton (S)	60	2.1	5.6	4.8	4.2	16.7	45.0
Mornington (S)	26	0.1	0.8	0.1	0.5	1.5	9.1
Sherbrooke (S)	61	0.5	0.7	0.2	0.4	1.9	19.3
Werribee (C)	174	6.7	24.4	9.3	3.9	44.3	66.8
Whittlesea (C)	94	0.5	9.8	3.6	14.0	28.0	59.8
Other	175	1.7	3.0	0.9	1.1	6.6	151.5
MELBOURNE							
STATISTICAL DIVISION	1,712	20.3	100.2	32.5	44.0	196.9	610.9
Bannockburn (S) PtA,B	141	5.5	27.2	7.1	5.3	45.2	70.5
Barrabool (S) PtA,B	133	2.4	16.4	4.0	3.1	25.9	59.4
Bellarine (S) PtA,B & Queenscliffe (B)	97	3.3	8.9	1.1	1.4	14.7	34.0
Colac (S) & (C)	479	4.4	66.0	19.0	13.6	103.1	146.9
Cono (S) PtA,B	90	8.2	13.1	11.3	3.8	36.3	69.9
Leigh (S)	153	12.1	45.9	20.5	11.5	89.9	98.0
Orway (S)	274	0.9	35.4	4.7	16.1	57.0	191.0
S Barwon (C) PtA,B;N'town (C)							
Geelong (C) & Geelong W (C)	32	0.7	2.9	0.1	0.6	4.3	19.0
Winchelsea (S)	221	7.2	50.5	5.9	8.6	72.1	128.4
BARWON							
STATISTICAL DIVISION	1,620	44.6	266.1	73.7	64.0	448.4	817.1
Belfast (S) Pt Fairy (B) Lady J Percy Is & Tower Hill	219	0.7	36.0	5.6	5.3	47.6	54.7
Dundas (S) & Hamilton (C)	483	6.5	171.8	35.1	26.1	239.6	348.6
Glenelg (S)	395	2.1	152.5	30.7	22.6	208.0	358.2
Hampden (S) & Camperdown (T)	578	17.6	137.2	31.8	22.6	209.2	263.6
Heytesbury (S)	791	2.7	94.7	11.0	7.6	116.0	151.5
Minhamite (S)	304	1.8	80.0	17.8	9.2	108.8	136.5
Mortlake (S)	381	7.7	133.4	30.3	22.6	194.0	213.7
Mount Rouse (S)	246	4.3	93.4	20.2	9.6	127.5	141.9
Portland (S) & (C)	543	2.3	143.7	16.4	18.3	180.8	371.5
Wannon (S)	319	3.2	143.4	20.3	9.6	178.4	197.7
Warmambool (S) & (C)	653	3.9	105.7	16.0	12.8	138.4	162.3
SOUTH WESTERN							
STATISTICAL DIVISION	4,912	52.8	1,293.7	235.3	166.4	1,748.3	2,401.8
Ararat (S) & (C)	453	25.8	177.7	40.6	26.8	271.0	367.6
Avoca (S)	115	5.7	35.6	11.4	9.3	62.0	112.4
Bacchus Marsh (S)	67	4.9	10.1	7.0	1.1	23.0	56.6
Ballan (S)	117	1.7	24.1	11.8	2.1	39.6	91.9
Ballarat (S) PtA,B;Ballarat (C) & Sebastapol (B)	135	3.3	23.4	2.7	3.0	32.5	51.8
Bungaree (S) PtA,B	68	2.7	4.4	0.6	1.1	8.8	22.8

TABLE 3. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, SUMMARY BY STATISTICAL LOCAL AREA (SLA) AND STATISTICAL DIVISION, VICTORIA, 1987-88 - continued

Statistical local area	Number of establishments (a)	Area of establishments ('000 hectares)				Total occupied	Total area of SLA
		Under crop during year(b)(c)	Sown pasture (d)	Native pasture	Balance of holding		
Buninyong (S) PtA,B	134	2.0	25.7	4.7	3.2	35.6	77.8
Creswick (S)	106	5.0	17.4	6.5	2.2	31.1	55.2
Daylesford & Glenlyon (S)	79	0.9	7.5	3.7	2.7	14.8	60.9
Grenville (S) PtA,B	109	3.1	30.0	10.4	3.8	47.3	84.4
Lexton (S)	134	3.9	41.0	10.1	6.8	61.9	82.1
Ripon (S)	221	9.3	78.5	22.1	17.0	127.0	153.1
Talbot & Clunes (S)	47	1.7	8.2	4.8	7.6	22.3	53.4
CENTRAL HIGHLANDS STATISTICAL DIVISION	1,785	70.1	483.7	136.4	86.8	777.0	1,270.0
Arapiles (S)	227	27.5	89.4	12.0	26.0	154.9	198.9
Birchip (S)	151	59.9	22.2	14.3	40.5	136.8	146.9
Dimboola (S)	357	112.3	38.4	19.4	58.9	229.0	491.8
Donald (S)	180	57.5	20.8	16.5	35.9	130.6	144.8
Dunmunkle (S)	261	66.0	28.9	10.1	39.2	144.2	154.6
Kaniva (S)	208	48.4	100.0	13.6	34.0	196.0	308.5
Karkaroc (S)	319	121.0	88.4	24.3	73.9	307.5	371.9
Kowree (S)	525	32.7	255.3	35.3	38.2	361.6	538.7
Lowan (S)	252	67.4	61.1	23.6	37.7	189.8	268.3
Stawell (S) & (T)	240	35.5	101.3	14.2	27.4	178.5	263.9
Warracknabeal (S)	264	82.7	25.0	12.8	50.9	171.4	183.9
Wimmera (S) & Horsham (C)	369	74.1	45.1	12.0	39.3	170.4	263.7
WIMMERA STATISTICAL DIVISION	3,353	784.9	875.8	208.2	501.8	2,370.7	3,335.9
Kerang (S) & (B)	520	90.7	76.8	32.3	62.1	261.9	327.7
Mildura (S) & (C)	1,420	115.1	69.8	182.1	418.9	785.9	1,056.9
Swan Hill (S) & (C)	984	200.5	135.4	49.4	154.4	539.8	656.9
Walpeup (S)	342	129.6	186.8	93.3	116.6	526.3	1,079.5
Wycheproof (S)	389	157.2	62.4	40.7	100.6	361.0	411.5
NORTHERN MALLEE STATISTICAL DIVISION	3,655	693.0	531.3	397.9	852.7	2,475.0	3,532.4
Bet Bet (S)	89	9.8	27.4	10.5	11.2	59.0	92.8
Charlton (S)	144	40.5	24.5	12.9	21.5	99.5	117.6
Colurna (S)	276	1.0	28.3	7.9	4.2	41.3	49.7
East Loddon (S)	203	20.6	57.2	17.8	16.5	112.0	119.4
Gisborne (S)	23	0.2	1.6	1.3	0.8	3.9	27.8
Gordon (S)	303	43.0	67.6	27.6	35.6	173.7	207.9
Huntly (S) PtA,B	123	15.4	28.0	7.3	11.0	61.6	87.8
Kara Kara (S) & St Amand (T)	195	43.6	85.6	14.9	35.6	179.7	231.8
Korong (S)	217	33.2	71.4	28.3	24.0	156.9	238.4
Kyneton (S)	131	1.6	17.0	13.9	4.5	37.0	72.5
McIvor (S)	106	1.7	59.6	16.1	21.5	99.0	145.3
Maldon (S)	71	3.2	13.6	6.5	2.6	25.9	55.9
Marong (S) PtA,B; Bendigo (C) & Eaglehawk (B)	237	22.9	53.8	9.8	17.4	103.9	153.7
Metcalfe (S) & C'maine (C)	108	0.8	21.0	14.3	3.1	39.2	61.4
Newham & Woodend (S)	33	0.3	4.2	1.9	1.0	7.4	21.6
Newstead (S)	41	1.2	9.3	9.1	1.0	20.7	40.9
Pyalong (S)	65	0.1	16.2	15.0	5.9	37.2	60.4
Rochester (S) & Echuca (C)	632	30.6	67.6	28.2	22.7	148.5	196.0
Romsey (S)	109	1.4	17.0	9.9	1.9	30.2	61.9
Strathfieldsaye (S) PtA,B	52	0.7	8.0	7.0	8.8	24.5	61.9
Tullaroop (S) & M'borough (C)	89	7.8	20.5	7.2	5.3	40.9	66.0
LODDON-CAMPASPE STATISTICAL DIVISION	3,247	279.0	699.6	267.3	256.3	1,502.2	2,173.8

TABLE 3. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, SUMMARY BY STATISTICAL LOCAL AREA (SLA) AND STATISTICAL DIVISION, VICTORIA, 1987-88 - continued

Statistical local area	Number of establishments (a)	Under crop during year(b)(c)	Sown pasture (d)	Area of establishments ('000 hectares)		Total occupied	Total area of SLA
				Native pasture	Balance of holding		
Alexandra (S)	143	0.2	34.5	10.7	5.9	51.2	217.5
Benalla (S) & (C)	388	18.6	77.2	18.8	13.0	127.5	234.0
Broadford (S)	32	0.3	10.8	3.5	2.8	17.4	57.6
Cobram (S)	267	6.3	19.2	4.3	4.9	34.7	44.0
Deakin (S)	548	6.1	45.1	7.7	16.2	75.0	96.1
Euroa (S)	263	7.4	60.9	19.3	11.4	99.1	141.2
Goulburn (S)	139	8.2	48.3	13.4	6.0	75.8	103.1
Kilmore (S)	55	0.2	10.9	6.0	2.4	19.5	50.9
Kyabram (T)	23	0.2	0.7	0.1	0.3	1.2	2.1
Mansfield (S)	175	0.2	47.3	30.1	13.8	91.4	391.5
Nathalia (S)	267	12.0	35.7	10.2	13.8	71.7	123.8
Numurkah (S)	384	7.1	32.2	5.6	9.4	54.4	72.3
Rodney (S) PtA,B	652	8.9	50.6	9.4	14.8	83.6	102.8
Seymour (S)	104	1.1	27.4	5.7	9.0	94.7	114.2
Shepparton (S) PtA,B & (C)	488	17.1	39.5	28.4	7.8	64.8	95.0
Tungamah (S)	407	28.3	48.9	7.6	9.9	71.4	95.2
Violet Town (S)	152	5.9	39.3	10.9	7.7	63.8	93.5
Waranga (S)	311	21.1	54.1	13.3	14.1	102.7	164.5
Yea (S)	190	0.9	37.1	20.3	6.5	64.9	139.3
GOULBURN STATISTICAL DIVISION	4,988	150.1	719.7	225.2	169.7	1,264.7	2,338.5
Beechworth (S)	92	0.8	12.5	6.4	11.7	31.5	77.2
Bright (S)	77	1.1	6.4	1.2	65.2	73.9	310.0
Chiltem (S)	79	1.8	18.9	4.8	3.6	29.2	49.8
Myrtleford (S)	112	1.1	9.4	1.9	2.1	14.5	71.2
Orley (S)	432	3.0	52.7	14.5	56.1	126.3	279.2
Rutherglen (S)	114	8.2	22.2	3.1	5.5	39.0	53.1
Tallangatta (S) PtA,B	279	0.8	50.5	34.2	23.5	108.9	243.8
Upper Murray (S)	161	0.7	32.0	15.2	55.3	103.3	94.4
Wangaratta (S) & (C)	179	8.9	30.5	9.2	8.1	56.7	94.4
Wodonga (RC)	53	0.2	7.4	5.1	10.9	23.6	34.7
Yackandandah (S) PtA,B	239	0.9	29.2	10.6	6.4	47.1	111.1
Yarrawonga (S)	95	14.5	22.8	6.1	5.7	49.1	63.0
NORTH EASTERN STATISTICAL DIVISION	1,912	42.0	294.5	112.2	254.2	702.9	1,804.4
Avon (S) & Sale (C)	224	1.4	42.1	21.3	80.0	144.9	255.9
Bairnsdale (S) & (T)	233	3.0	40.5	33.2	18.9	95.6	230.5
Maffra (S)	297	0.7	32.1	60.4	73.8	166.9	417.2
Oneco (S)	155	0.5	54.9	67.5	238.9	361.9	564.9
Orbost (S)	176	1.7	25.2	9.0	25.3	61.2	595.0
Tambo (S)	137	0.7	29.0	78.9	32.2	140.9	382.5
EAST GIPPSLAND STATISTICAL DIVISION	1,222	8.0	223.8	270.3	469.2	971.3	2,810.0
Alberton (S)	338	0.8	61.2	5.7	9.6	77.3	187.0
Buln Buln (S)	422	0.6	32.7	4.1	4.4	41.8	125.9
Korumburra (S)	427	0.5	39.3	5.6	3.6	49.0	61.4
Mirboo (S)	130	0.5	11.4	1.8	0.9	14.5	25.4
Morwell (S) PtA,B							
& Yallourn Works Area	127	0.1	12.8	5.4	1.3	19.6	69.6
Narracan (S) & Moe (C)	381	2.6	33.6	4.7	5.7	46.6	234.1
Rosedale (S)	430	3.0	73.7	10.1	14.5	101.3	227.3
South Gippsland (S)	383	0.5	50.4	4.7	6.2	61.8	143.2
Trevalgon (S) & (C)	81	0.2	13.3	2.3	3.1	18.7	48.7
Warragul (S)	244	0.6	17.6	3.1	1.8	23.1	35.2

TABLE 3. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AREA, AND LAND UTILISATION, SUMMARY BY STATISTICAL LOCAL AREA (SLA) AND STATISTICAL DIVISION, VICTORIA, 1987-88 - continued

Statistical local area	Number of establishments (a)	Under crop during year(b)(c)	Area of establishments ('000 hectares)			Total occupied	Total area of SLA
			Sown pasture (d)	Native pasture	Balance of holding		
Woorayl (S)	554	0.8	75.2	6.4	6.0	88.5	124.6
CENTRAL GIPPSLAND							
STATISTICAL DIVISION	3,517	10.4	421.2	53.9	57.1	542.5	1,282.3
Bass (S) & French Island	299	0.2	32.0	6.0	5.8	44.0	67.6
Cranbourne (S) - Pt B	11	-	0.6	0.1	-	0.8	34.5
Healesville (S) - Pt B	1	-	0.1	-	-	0.1	18.0
Pakenham (S) - Pt B	362	2.9	19.1	3.8	3.9	29.7	72.5
Phillip Island (S)	21	0.1	3.5	0.4	0.4	4.4	10.1
Upper Yarra (S)	56	0.3	2.5	0.3	1.1	4.2	174.5
Wonthaggi (B)	15	-	2.2	0.2	-	2.6	5.7
EAST CENTRAL							
STATISTICAL DIVISION	765	3.6	60.1	10.8	11.4	85.8	382.9
TOTAL VICTORIA	32,688	2,158.7	5,969.5	2,023.8	2,933.5	13,085.5	22,760.0

(a) Includes non-land-based beekeeping establishments, refer also to explanatory notes paragraphs 2 and 3. (b) Excludes area of pasture cut for hay or seed. (c) Duplicated area included if double-cropping occurred. (d) Includes pure lucerne.

TABLE 4. NUMBER OF ESTABLISHMENTS (a) WITH AGRICULTURAL ACTIVITY GROWING PRINCIPAL CROPS, VICTORIA, YEAR ENDED 31 MARCH

Crop	1986	1987	1988
Cereals for grain -			
Barley	4,713	3,758	4,316
Cereal rye	193	283	226
Millet	65	68	73
Oats	5,246	5,385	5,200
Triticale	318	433	475
Wheat	8,675	7,860	6,636
Other crops -			
Field peas for grain	1,700	2,094	2,287
Lupins for grain	584	694	802
Rapeseed	532	408	354
Safflower	209	195	342
Sunflower	382	205	131
Tobacco	196	191	193
Vegetables -			
Onions	132	110	108
Potatoes	816	732	754
Tomatoes	175	196	180
Fruits -			
Apples	552	549	550
Grapes	1,853	1,803	1,791
Oranges	433	421	411
Peaches	438	451	459
Pears	433	426	433

(a) The above data are counts of the establishments with agricultural activity, reporting principal crops, irrespective of the predominant activity (ASIC) of the establishment.

TABLE 5. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY CLASSIFIED ACCORDING TO AREA OF ESTABLISHMENT BY STATISTICAL DIVISION, VICTORIA, AT 31 MARCH 1988

Area of establishment (hectares)	Statistical division												Total Victoria
	Melbourne	Barwon	South Western	Central Highlands	Wimmera	Northern Mallee	Loddon Campaspe	Goulburn	North Eastern	East Gippsland	Central Gippsland	East Central	
0-4 (a)	198	23	14	22	14	127	49	34	16	10	15	16	538
5-9	215	16	9	8	5	505	15	54	20	3	12	24	886
10-19	268	21	8	19	8	740	41	177	41	12	36	34	1,405
20-29	140	18	27	16	6	205	50	178	40	21	53	43	797
30-39	93	28	35	28	4	85	58	181	30	25	118	43	728
40-49	71	32	70	23	8	62	112	323	33	44	217	58	1,053
0-49	985	138	163	116	45	1,724	325	947	180	115	451	218	5,407
50-99	261	313	703	128	46	150	336	888	233	213	1,263	240	4,774
100-149	161	298	822	148	82	108	324	640	280	167	761	150	3,941
150-199	84	227	548	164	110	71	210	426	226	130	367	62	2,625
200-249	65	134	506	165	159	72	198	356	201	93	221	39	2,209
250-299	39	93	357	128	246	92	222	345	171	71	122	17	1,903
300-349	20	81	251	128	191	57	170	250	126	52	75	11	1,412
350-399	18	69	237	111	192	58	169	202	84	52	54	5	1,251
400-449	13	30	203	94	240	45	134	170	85	51	41	5	1,111
450-499	7	42	133	89	186	55	123	146	56	32	30	3	902
500-549	10	30	138	62	195	84	120	96	50	30	28	3	846
550-599	6	21	108	68	149	53	104	90	46	20	14	5	684
600-649	10	16	90	50	173	52	85	69	24	22	17	-	608
650-699	4	14	77	41	115	30	69	44	20	24	10	1	449
700-749	1	15	55	29	119	36	77	45	18	14	11	-	420
750-799	4	4	55	39	113	54	58	45	13	11	6	2	404
800-849	1	10	58	29	117	43	53	32	14	3	6	2	368
850-899	4	11	35	24	95	44	57	25	14	7	3	-	319
900-949	2	4	32	15	74	42	47	13	9	7	4	-	249
950-999	3	5	35	14	65	46	35	20	4	9	3	-	239
1000-1999	7	45	249	119	520	489	269	112	40	57	23	2	1,932
2000-2999	3	14	41	17	94	156	50	19	8	6	4	-	412
3,000 and over	4	6	16	7	27	94	12	8	10	36	3	-	223
Total	1,712	1,620	4,912	1,785	3,353	3,655	3,247	4,988	1,912	1,222	3,517	765	32,688

(a) Includes non-land-based beekeeping establishments.

A - LABOUR

EMPLOYMENT IN THE AGRICULTURAL SECTOR

EXPLANATORY NOTES

Statistics of the labour force (i.e. employed and unemployed) in agriculture are available from two sources - the Monthly Population Survey and the periodic censuses of the population. The statistics from the survey and the censuses are not directly comparable for a number of reasons, some of which are set out in the Explanatory notes to the ABS publication *The Labour Force, Australia* (6203.0) (monthly).

2 The Monthly Population Survey is based on a multi-stage areas sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specifically trained

interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The surveys conducted in the months of February, May, August, and November collect details of occupation and industry of employed persons. The information obtained relates to the week prior to the interview (i.e. the survey week).

3 The Labour Force Survey includes all persons aged fifteen and over except members of the permanent defence forces; certain diplomatic personnel of overseas government, customarily excluded from census and estimated population; overseas residents in Australia; and members of non-Australian defence forces (and their dependants) stationed in Australia.

TABLE 6. EMPLOYED PERSONS (a) IN AGRICULTURE AND SERVICE TO AGRICULTURE, FULL-TIME AND PART-TIME STATUS, VICTORIA
(^{'000})

(Source: *Labour Force Survey*)

Quarter	Full-time workers			Part-time workers			Total workers		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
November -									
1984	63.4	13.2	76.6	6.3	14.8	21.1	69.7	28.0	97.7
1985	60.7	14.5	75.1	5.5	14.4	19.9	66.2	28.8	95.0
1986	57.3	15.2	72.4	8.7	13.2	21.9	66.0	28.4	94.4
1987	58.7	12.2	70.9	5.2	14.9	20.1	63.9	27.2	91.1
1988	58.5	12.7	71.2	8.1	20.2	28.3	66.6	32.9	99.6
February -									
1985	58.8	12.5	71.3	5.0	16.5	21.4	63.8	28.9	92.7
1986	61.0	17.1	78.1	5.8	13.4	19.2	66.8	30.5	97.4
1987	59.1	14.5	73.7	6.9	15.3	22.2	66.0	29.8	95.8
1988	57.0	15.8	72.7	3.9	15.6	19.4	60.8	31.3	92.2
May -									
1985	53.7	12.0	65.7	4.4	14.9	19.2	58.1	26.9	85.0
1986	59.6	13.2	72.8	7.4	13.7	21.1	67.0	26.9	93.8
1987	58.4	12.7	71.1	5.5	17.4	22.8	63.9	30.1	94.0
1988	56.8	10.1	66.9	5.7	16.1	21.8	62.5	26.2	88.7
August -									
1985	59.3	14.6	73.9	6.0	14.1	20.0	65.3	28.7	93.9
1986	59.6	12.6	72.2	8.1	14.1	22.2	67.7	26.6	94.3
1987	61.6	12.7	74.3	5.1	13.5	18.7	66.7	26.2	93.0
1988	56.3	13.4	69.7	4.9	17.9	22.8	61.2	31.3	92.6

(a) Industry is classified according to the Australian Standard Industrial Classification (ASIC), 1983.

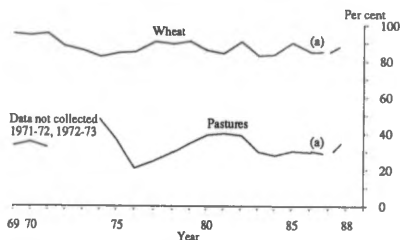
* Included for completeness. Sampling variability too high for most practical purposes.

TABLE 7. CROPS AND PASTURES ARTIFICIALLY FERTILISED (a), AREA FERTILISED, AND QUANTITY USED BY TYPE (b), YEAR ENDED 31 MARCH 1986, 1987 AND 1988.

Pastures and crops fertilised	Year ended 31 March	Area fertilised ('000 ha)	Quantity of fertiliser used by type (a) ('000 tonnes)			
			Phosphatic (c)	Nitrogenous (d)	Mixed (e)	Other (f)
Pastures, native and sown	1986	2,193.0	256.8	9.3	98.5	14.5
	1987	2,281.0	250.6	9.6	100.9	15.3
	1988	3,012.8	409.0	10.6	168.4	17.2
Wheat	1986	1,272.6	134.5	6.1	1.3	14.6
	1987	1,165.6	107.7	5.0	1.7	15.1
	1988	935.8	87.1	4.6	1.7	14.4
All other crops	1986	667.2	87.1	8.2	5.7	24.6
	1987	647.7	74.9	9.2	5.8	23.8
	1988	864.4	124.4	18.9	8.5	42.1
Total	1986	4,132.9	478.4	23.6	105.5	53.8
	1987	4,094.3	433.3	23.9	108.4	54.2
	1988	4,813.0	620.4	34.1	178.4	73.7

(a) Excludes lime, gypsum and dolomite (refer to Tables 9 and 11). Double and triple strength superphosphate converted to single strength equivalent. (b) The full range of crops and pastures fertilised was previously collected in 1981-82. (c) Includes superphosphate with trace elements. (d) Includes straight nitrogenous types such as urea, sulphate of ammonia etc. (e) Straight potash, and mixtures of superphosphate and potash fertilisers. (f) Other artificial fertilisers including complex mixtures and mixtures containing nitrogen.

PERCENTAGE OF WHEAT AND PASTURES FERTILISED, VICTORIA, YEAR ENDED 31 MARCH



(a) See Explanatory notes, paragraph 2.

TABLE 8. CROPS AND PASTURES ARTIFICIALLY FERTILISED (a), AREA FERTILISED, AND QUANTITY USED BY TYPE (b), VICTORIA, YEAR ENDED 31 MARCH 1988

Pastures and crops fertilised	Area fertilised ('000 ha)	Quantity of fertiliser used by type ('000 tonnes)				
		Phosphatic (c)	Nitrogenous (d)	Potash (e)	Mixed (f)	Other (g)
Pure lucerne	35	9	-	-	2	-
Other pastures (native or sown)	2,977	400	10	8	158	17
Wheat	936	87	5	-	1	14
Oats	207	28	1	-	1	1
Barley	320	38	1	-	-	5
Field peas	185	32	-	-	-	1
Other cereals	23	2	-	-	-	1
Oilseeds	37	4	2	-	-	4
Vegetables for human consumption	23	8	5	-	4	18
Fruit (including nuts)	14	3	6	-	1	4
Grape vines	10	2	1	-	-	2
All other crops	45	6	-	-	-	5
Total	4,813	620	34	10	169	74

(a) Excludes lime, gypsum and dolomite (refer to Tables 9 and 11). Double and triple strength superphosphate converted to single strength equivalent. (b) The full range of crops and pastures fertilised was previously collected in 1981-82. (c) Includes superphosphate with trace elements. (d) Includes straight nitrogenous types such as urea, sulphate of ammonia etc. (e) Straight potash only. (f) Straight potash, and mixtures of superphosphate and potash fertilisers. (g) Other artificial fertilisers including complex mixtures and mixtures containing nitrogen.

TABLE 9. CROPS AND PASTURES TREATED WITH SOIL CONDITIONERS (a), AREA TREATED, AND QUANTITY USED BY TYPE, YEAR ENDED 31 MARCH 1988

Pastures and crops treated	Area treated ('000 hectares)	Type of soil conditioner used				Total ('000 tonnes)
		Gypsum ('000 tonnes)	Lime ('000 tonnes)	Other (inc. dolomite) ('000 tonnes)		
Pastures	175.4	53.8	82.4	7.8		144.0
Cereals for all purposes	96.9	164.0	6.4	0.5		170.8
Vegetables for human consumption	6.1	9.6	6.3	0.2		16.2
Fruit (including grapes and nuts)	4.4	3.9	3.2	3.5		10.6
All other crops	5.6	8.1	1.7	0.4		10.2
Total	288.3	239.5	99.9	12.3		351.7

(a) Data on area treated and soil conditioners used, first collected 1984-85.

TABLE 10. CROPS AND PASTURES ARTIFICIALLY FERTILISED (a), AREA FERTILISED, AND QUANTITY USED BY TYPE (b), BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988

Statistical division	Pure lucerne						Other pastures (native or sown)					
	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)
Melbourne	0.4	0.2	-	-	-	-	53.2	4.6	0.1	0.5	4.7	0.5
Barwon	1.8	0.2	-	-	0.2	-	140.3	11.7	0.8	0.8	27.8	1.7
South Western	3.2	0.3	-	-	0.4	0.1	963.5	160.4	3.1	2.2	51.0	4.4
Central Highlands	2.0	0.4	-	-	0.1	-	225.8	23.2	0.5	0.6	3.1	0.4
Wimmera	3.6	0.6	-	-	0.1	0.1	277.5	28.0	0.5	-	0.4	0.7
Northern Mallee	3.3	0.8	0.1	0.1	-	-	34.8	6.4	0.4	-	0.1	0.2
Loddon-Campaspe	11.5	3.6	0.1	-	0.2	-	235.9	36.5	0.7	0.1	1.0	0.5
Goulburn	5.2	1.7	-	-	0.2	-	350.1	63.2	2.5	0.2	2.5	1.7
North Eastern	1.4	0.3	-	-	-	-	150.6	16.9	0.5	0.1	0.9	0.2
East Gippsland	1.6	0.3	-	-	0.3	-	159.0	14.0	0.4	0.7	10.0	4.0
Central Gippsland	1.0	0.1	-	-	0.2	-	342.5	29.9	0.8	2.8	52.0	2.4
East Central	0.4	0.1	-	-	-	-	44.3	5.5	0.1	0.3	4.7	0.2
Total Victoria	35.4	8.6	0.3	0.2	1.6	0.3	2,977.5	400.3	10.3	8.3	158.2	16.9

Statistical division	Wheat						Oats					
	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)
Melbourne	1.0	0.1	-	-	-	-	1.3	0.2	-	-	-	-
Barwon	4.6	0.6	0.1	-	-	-	9.0	1.2	0.1	-	0.1	0.1
South Western	3.9	0.6	-	-	-	0.1	18.4	2.8	0.1	-	0.1	0.1
Central Highlands	8.0	1.2	0.1	-	-	-	31.5	4.6	0.2	-	0.1	0.1
Wimmera	347.2	35.2	1.5	0.1	0.5	5.0	39.7	4.5	0.2	-	-	0.3
Northern Mallee	388.7	29.8	2.0	0.1	0.8	7.9	12.0	1.1	-	-	-	0.1
Loddon-Campaspe	118.7	12.4	0.7	-	0.1	0.7	50.8	5.9	0.3	-	0.1	0.3
Goulburn	48.8	5.4	0.3	-	-	0.4	32.6	6.1	0.1	-	-	0.2
North Eastern	14.1	1.7	-	-	-	0.1	9.3	1.2	-	-	-	-
East Gippsland	0.1	-	-	-	-	-	1.5	0.2	-	-	-	-
Central Gippsland	0.6	0.1	-	-	-	-	1.3	0.2	-	-	0.1	-
East Central	-	-	-	-	-	-	-	-	-	-	-	-
Total Victoria	935.8	87.1	4.6	0.3	1.4	14.4	207.5	28.1	1.0	0.1	0.6	1.4

TABLE 10. CROPS AND PASTURES ARTIFICIALLY FERTILISED (a), AREA FERTILISED, AND QUANTITY USED BY TYPE (b), BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988 - continued

STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988 - continued

Statistical division	Barley						Field peas					
	Area fertilized ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)	Area fertilized ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)
Melbourne	4.3	0.6	-	-	-	-	0.1	-	-	-	-	-
Barwon	12.2	1.6	0.1	-	-	-	1.3	0.2	-	-	-	-
South Western	5.6	0.8	-	-	0.1	0.2	1.3	0.2	-	-	-	-
Central Highlands	6.0	0.8	-	-	-	0.1	0.5	0.1	-	-	-	-
Wimmera	141.6	21.8	0.5	0.1	0.2	2.0	97.2	23.3	0.3	-	-	-
Northern Mallee	111.0	8.4	0.5	-	0.1	2.7	57.3	5.4	0.1	-	0.1	0.6
Loddon-Campaspe	29.0	3.0	0.1	-	-	0.3	24.2	2.9	0.1	-	0.1	0.4
Goulburn	9.4	1.0	-	-	-	0.1	3.5	0.5	-	-	-	0.1
North Eastern	0.3	-	-	-	-	-	0.3	-	-	-	-	-
East Gippsland	0.2	-	-	-	-	-	-	-	-	-	-	-
Central Gippsland	-	-	-	-	-	-	-	-	-	-	-	-
East Central	-	-	-	-	-	-	-	-	-	-	-	-
Total Victoria	319.7	38.1	1.3	0.1	0.5	5.5	184.8	32.5	0.5	-	0.2	1.1

Statistical division	Other cereals						Oilseeds					
	Area fertilized ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)	Area fertilized ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)
Melbourne	0.1	-	-	-	-	-	0.1	-	-	-	-	-
Barwon	0.1	-	-	-	-	-	2.1	0.2	-	-	-	-
South Western	0.5	0.1	-	-	-	-	2.4	0.3	-	-	-	0.1
Central Highlands	0.4	0.1	-	-	-	-	1.5	0.2	-	-	-	0.1
Wimmera	4.5	0.4	-	-	-	-	15.8	1.3	0.6	-	-	-
Northern Mallee	8.1	0.7	0.1	-	-	0.1	3.0	0.3	0.9	-	-	0.4
Loddon-Campaspe	2.6	0.2	0.2	-	-	0.2	10.4	1.0	0.5	-	-	0.1
Goulburn	4.4	0.5	0.1	-	-	0.1	1.9	0.2	0.2	-	0.1	3.4
North Eastern	1.7	0.2	-	-	-	-	0.3	-	-	-	-	0.1
East Gippsland	0.3	-	-	-	-	-	-	-	-	-	-	-
Central Gippsland	0.3	0.1	-	-	-	-	-	-	-	-	-	-
East Central	-	-	-	-	-	-	-	-	-	-	-	-
Total Victoria	23.1	2.2	0.4	-	0.1	0.6	37.4	3.6	2.2	-	0.2	4.1

TABLE 10. CROPS AND PASTURES ARTIFICIALLY FERTILISED (a), AREA FERTILISED, AND QUANTITY USED BY TYPE (b), BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988 - continued

Statistical division	Vegetables for human consumption						Fruit (including nuts)					
	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)
Melbourne	4.8	1.6	0.8	0.1	1.0	4.0	1.9	0.3	0.3	-	0.1	0.7
Barwon	2.1	1.3	0.1	-	0.4	1.4	-	-	-	-	-	-
South Western	1.0	0.1	-	-	0.3	0.8	-	-	-	-	-	-
Central Highlands	3.3	0.5	0.1	0.1	0.8	3.2	-	-	-	-	-	-
Wimmera	-	-	-	-	-	-	0.1	-	-	-	-	-
Northern Mallee	1.2	0.3	3.1	-	-	-	0.1	0.1	-	-	-	-
Loddon-Campaspe	1.1	1.0	0.3	-	0.1	3.2	3.7	0.8	3.5	-	0.1	2.4
Goulburn	1.8	1.3	0.6	0.1	-	0.3	0.3	0.1	-	-	-	0.1
North Eastern	-	-	-	-	0.1	0.5	6.3	1.5	2.3	0.1	0.3	0.6
East Gippsland	2.5	0.3	0.1	-	0.2	0.7	0.4	-	-	-	-	0.1
Central Gippsland	3.1	1.2	-	-	1.1	2.4	0.1	-	-	-	-	-
East Central	1.6	0.8	0.1	0.1	0.5	1.3	0.4	-	-	-	0.1	-
Total Victoria	22.5	8.5	5.4	0.4	4.4	17.8	13.4	2.9	6.2	0.1	0.7	4.1

Statistical division	Grape vines						All other crops					
	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)	Area fertilised ('000 ha)	Phosphatic ('000 tonnes) (c)	Nitrogenous ('000 tonnes) (d)	Potash ('000 tonnes) (e)	Mixed ('000 tonnes) (f)	Other ('000 tonnes) (g)
Melbourne	-	-	-	-	-	-	0.6	0.1	0.1	-	-	0.1
Barwon	-	-	-	-	-	-	1.8	0.7	-	-	-	-
South Western	-	-	-	-	-	-	4.4	0.6	-	-	-	-
Central Highlands	-	-	-	-	-	-	1.4	0.2	-	-	0.1	-
Wimmera	0.1	-	-	-	-	-	15.2	2.2	0.1	-	-	-
Northern Mallee	9.7	1.8	1.2	0.1	0.4	2.2	3.4	0.4	-	-	-	0.2
Loddon-Campaspe	-	-	-	-	-	-	3.9	0.4	-	-	-	0.1
Goulburn	0.3	0.1	-	-	-	-	8.0	0.9	-	-	-	3.3
North Eastern	0.1	-	0.1	-	-	-	4.9	0.8	0.2	0.1	0.2	0.1
East Gippsland	-	-	-	-	-	-	0.7	0.1	-	-	-	1.4
Central Gippsland	-	-	-	-	-	-	0.6	0.1	-	-	-	-
East Central	-	-	-	-	-	-	0.1	-	-	-	-	0.2
Total Victoria	10.4	2.0	1.4	0.1	0.4	2.2	44.9	6.5	0.4	0.2	0.4	5.4

(a) Excludes lime, gypsum and dolomite (refer to Tables 9 and 11). Double and triple strength superphosphate converted to single strength equivalent. (b) The full range of crops and pastures fertilised was previously collected in 1981-82. (c) Includes superphosphate with trace elements. (d) Includes straight nitrogenous types such as urea, sulphate of ammonia etc. (e) Straight potash only. (f) Straight potash, and mixtures of superphosphate and potash fertilisers. (g) Other artificial fertilisers including complex mixtures and mixtures containing nitrogen.

TABLE II. CROPS AND PASTURES TREATED WITH SOIL CONDITIONERS (a), AND QUANTITY USED BY TYPE,
BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988

Statistical division	Pastures (native or sown)					Cereals for all purposes				
	Area treated (⁰ 000 hectares)	Gypsum (⁰ 000 tonnes)	Lime (inc. dolomite) (⁰ 000 tonnes)	Other (⁰ 000 tonnes)	Total (⁰ 000 tonnes)	Area treated (⁰ 000 hectares)	Gypsum (⁰ 000 tonnes)	Lime (inc. dolomite) (⁰ 000 tonnes)	Other (⁰ 000 tonnes)	Total (⁰ 000 tonnes)
Melbourne	3.4	0.6	2.0	0.1	2.7	0.5	1.6	0.1	-	1.7
Barwon	10.3	2.6	7.7	0.6	10.9	2.3	3.0	0.7	-	3.7
South Western	46.5	5.5	22.6	2.6	30.7	1.3	1.3	0.8	0.2	2.3
Central Highlands	15.3	3.3	6.0	0.2	9.5	2.5	2.2	2.0	-	4.2
Wimmera	11.3	9.7	1.5	0.1	11.3	52.6	102.1	0.6	-	102.7
Northern Mallee	5.2	6.3	0.1	0.1	6.5	17.0	27.3	-	0.1	27.3
Loddon-Campaspe	18.0	9.4	2.2	0.6	12.3	14.3	22.7	0.3	-	22.9
Goulburn	15.9	14.0	10.8	0.4	25.1	3.7	3.1	0.3	0.1	3.5
North Eastern	8.9	1.5	2.6	0.3	4.4	2.5	0.9	1.4	-	2.4
East Gippsland	6.0	-	3.1	0.1	3.2	-	-	0.1	-	0.1
Central Gippsland	31.8	0.7	22.5	2.6	25.8	0.1	-	0.1	-	0.1
East Central	2.8	0.1	1.4	0.1	1.6	-	-	-	-	-
Total Victoria	175.4	53.8	82.4	7.8	144.0	96.9	164.0	6.4	0.5	170.8

Statistical division	Vegetables for human consumption					Fruit (including grapes and nuts)				
	Area treated (⁰ 000 hectares)	Gypsum (⁰ 000 tonnes)	Lime (inc. dolomite) (⁰ 000 tonnes)	Other (⁰ 000 tonnes)	Total (⁰ 000 tonnes)	Area treated (⁰ 000 hectares)	Gypsum (⁰ 000 tonnes)	Lime (inc. dolomite) (⁰ 000 tonnes)	Other (⁰ 000 tonnes)	Total (⁰ 000 tonnes)
Melbourne	2.2	2.9	2.9	0.1	5.9	0.9	0.1	0.8	0.6	1.5
Barwon	0.9	0.9	0.6	-	1.5	-	-	-	-	-
South Western	-	-	-	-	-	-	-	-	-	-
Central Highlands	0.4	0.5	0.4	-	0.9	-	-	-	-	-
Northern Mallee	0.2	0.7	-	-	0.8	-	-	0.1	-	0.1
Loddon-Campaspe	0.4	2.7	-	-	2.7	0.6	1.1	0.1	2.2	3.5
Goulburn	0.7	1.6	0.6	-	2.2	0.2	-	0.2	-	0.2
North Eastern	-	-	-	-	-	2.3	2.5	1.5	0.2	4.2
East Gippsland	0.4	-	0.6	-	0.6	0.1	0.1	0.3	-	0.4
Central Gippsland	0.6	0.3	1.0	-	1.3	-	-	-	-	-
East Central	0.2	0.1	0.2	-	0.3	0.1	0.1	-	0.2	0.2
Total Victoria	6.1	9.6	6.3	0.2	16.2	4.4	3.9	3.2	3.5	10.6

TABLE 11. CROPS AND PASTURES TREATED WITH SOIL CONDITIONERS (a), AND QUANTITY USED BY TYPE,
BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1988 - continued

Statistical division	All other crops					Total crops and pastures				
	Area treated (⁰⁰⁰ hectares)	Gypsum (⁰⁰⁰ tonnes)	Lime (inc. dolomite) (⁰⁰⁰ tonnes)	Other (⁰⁰⁰ tonnes)	Total (⁰⁰⁰ tonnes)	Area treated (⁰⁰⁰ hectares)	Gypsum (⁰⁰⁰ tonnes)	Lime (inc. dolomite) (⁰⁰⁰ tonnes)	Other (⁰⁰⁰ tonnes)	Total (⁰⁰⁰ tonnes)
Melbourne	-	0.1	-	-	0.1	7.0	5.3	5.8	0.8	11.9
Barwon	0.1	-	0.1	-	0.1	13.5	6.4	9.0	0.7	16.2
South Western	0.4	0.1	0.4	-	0.4	48.2	6.8	23.8	2.9	33.4
Central Highlands	0.2	0.1	0.6	0.1	0.8	18.5	6.1	9.1	0.3	15.5
Wimmera	2.9	4.6	0.1	-	4.7	66.8	116.5	2.1	0.1	118.7
Northern Mallee	0.8	1.1	-	-	1.1	23.7	36.6	0.2	2.4	39.3
Loddon-Campaspe	0.4	1.2	-	-	1.2	33.4	35.8	2.7	0.7	39.2
Goulburn	0.4	0.8	0.1	-	0.9	22.9	21.9	13.3	0.6	35.9
North Eastern	0.3	0.1	0.2	0.3	0.5	11.8	2.6	4.6	0.6	7.8
East Gippsland	-	-	-	-	-	6.5	-	3.8	0.1	3.9
Central Gippsland	0.1	-	0.2	-	0.3	32.7	1.0	23.8	2.8	27.7
East Central	-	-	-	-	-	3.2	0.3	1.7	0.3	2.3
Total Victoria	5.6	8.1	1.7	0.4	10.2	288.3	239.5	99.9	12.3	351.7

(a) Information on area treated and soil conditioners used was first collected in 1984-85.

C USE OF ELECTRICITY AND SELECTED FUELS

The following information was collected for the first time in the 1979-80 Agricultural Census. Data on these items have been consistently poorly reported, either because the information was not readily available or because the section on the census form was simply overlooked.

An attempt has been made to alleviate this problem by estimating data for the non-respondents. For this purpose, it has been assumed that any informant reporting at least one electricity or fuel item had reported all relevant data, and anyone leaving blank all electricity and fuel items on the return was considered to be a non-respondent. An unavoidable consequence of these assumptions is that estimates would have been made for those non-respondents who genuinely had no use of electricity or fuels. This over-estimation, however, would be offset to some extent by the incomplete reporting which is believed to have occurred because respondents had incomplete or poor records of the data. It is not possible to quantify the net effect on the total estimates.

Users of these statistics should note that the data includes electricity and selected fuels for both domestic use by the farm household and for agricultural production activities, also the electricity and fuels usage in agricultural production by contractors, such as harvesting contractors, aerial sprayers, etc. has been excluded because establishments providing such services were outside the scope of the census. Electricity and selected fuel units have been converted to a standard energy unit of gigajoules (GJ = 1,000,000 kilojoules). Fuel conversions obtained from the State Electricity Commission. This data is not being collected in 1988-89.

TABLE 12. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AT 31 MARCH 1986 TO 1988 (a), AND USE OF ELECTRICITY AND SELECTED FUELS (b), BY STATISTICAL DIVISION, YEAR ENDED 31 MARCH 1986 TO 1988

Statistical division	Motor spirit (petrol)			Distillate		LPG		Electricity (c)		Total energy consumption (GJ)
	No. of estabs	Usage ('000 litres)	Energy equivalence (GJ)	Usage ('000 litres)	Energy equivalence (GJ)	Usage ('000 kgs)	Energy equivalence (GJ)	Usage ('000 kwh)	Energy equivalence (GJ)	
1988 -										
Melbourne	1,712	7,518	262,395	10,230	391,816	2,542	128,134	38,351	138,064	920,409
Barwon	1,620	8,439	294,507	6,688	256,165	841	42,386	26,098	93,953	687,011
South Western	4,912	26,147	912,530	16,055	614,906	818	41,210	66,091	237,929	1,806,575
Central Highlands	1,785	10,382	362,315	9,506	364,087	288	14,527	21,381	76,972	817,901
Wimmera	3,353	19,416	677,614	35,112	1,344,790	696	35,075	32,026	115,294	2,172,773
Northern Mallee	3,655	16,297	568,766	33,867	1,297,106	679	34,209	55,289	199,039	2,099,120
Loddon-Campaspe	3,247	20,808	726,199	19,944	763,843	1,196	60,290	54,168	195,004	1,745,336
Goulburn	4,988	26,100	910,890	26,212	1,003,920	1,344	67,742	92,268	332,166	2,314,718
North Eastern	1,912	9,955	347,430	10,100	386,816	1,183	59,600	28,611	103,001	896,847
East Gippsland	1,222	4,986	174,015	5,191	198,815	205	10,338	18,735	67,444	450,612
Central Gippsland	3,517	15,887	554,473	13,158	503,969	878	44,245	64,069	230,647	1,333,334
East Central	765	3,245	113,249	3,092	118,412	345	17,380	12,362	44,502	293,543
Total Victoria 1988 (d)	32,688	170,436	5,948,226	190,046	7,278,781	10,783	543,480	509,264	1,833,351	15,603,838
Total Victoria 1987	34,583	180,517	6,191,734	195,619	7,394,394	11,312	570,137	503,781	1,813,612	15,969,877
Total Victoria 1986	44,936	203,080	7,087,490	198,690	7,609,826	10,900	549,374	546,583	1,967,699	17,214,389

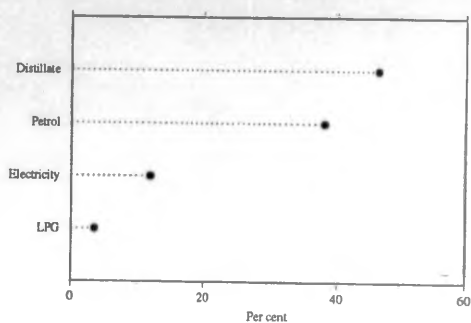
(a) Includes non-land-based beekeeping establishments. (b) Excludes electricity and selected fuels for non-land-based beekeeping establishments. (c) Excludes electricity generated for own use. (d) State totals for electricity and selected fuels are estimated independently to reduce the standard error and do not equal the sum of the statistical division estimates.

TABLE 13. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AT 31 MARCH 1988, CLASSIFIED BY INDUSTRY OF ESTABLISHMENT (ASIC)
(a) (b) AND USE OF ELECTRICITY AND SELECTED FUELS DURING YEAR ENDED 31 MARCH 1988 (c)

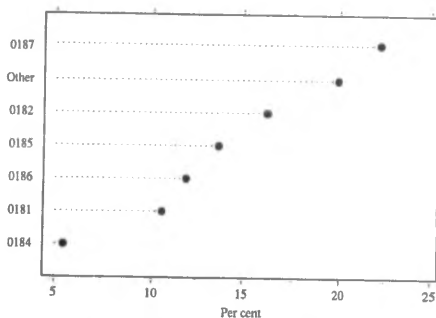
ASIC CODE assigned in 1988	Motor spirit (petrol)			Distillate		LPG		Electricity (d)		Total energy consumption (GJ)
	No. of estab's	Usage (¹ 000 litres)	Energy equivalence (GJ)	Usage (¹ 000 litres)	Energy equivalence (GJ)	Usage (¹ 000 kgs)	Energy equivalence (GJ)	Usage (¹ 000 kwh)	Energy equivalence (GJ)	
0124	123	942	32,865	742	28,407	1,663	83,815	7,755	27,916	173,003
0125	155	766	26,738	766	29,350	691	34,847	4,394	15,818	106,753
0134	1,580	3,835	133,850	4,059	155,462	236	11,914	18,534	66,722	367,948
0136	979	5,481	191,272	6,932	265,493	1,125	56,690	36,968	133,085	646,540
0143	518	2,845	99,307	8,879	340,059	149	7,510	11,572	41,658	488,534
0144	573	2,912	101,639	7,992	306,081	277	13,970	21,546	77,564	499,254
0181	1,999	11,115	387,897	32,569	1,247,393	375	18,909	22,368	80,524	1,734,723
0182	4,023	26,780	934,622	42,541	1,629,337	590	29,728	21,256	76,522	2,670,209
0183	185	1,036	36,172	1,276	48,869	40	2,028	1,939	6,980	94,049
0184	2,374	12,819	447,380	9,062	347,071	393	19,831	23,119	83,227	897,509
0185	6,238	33,815	1,180,151	20,553	787,180	748	37,675	65,833	236,999	2,242,005
0186	3,760	13,523	471,953	9,474	362,854	577	29,073	26,130	94,069	957,949
0187	8,371	43,953	1,533,960	32,837	1,257,657	1,892	95,332	213,575	768,870	2,655,819
0188	289	2,094	73,089	2,046	78,380	615	30,973	14,576	52,474	234,916
0193	181	1,084	37,839	3,285	125,827	639	32,189	4,633	16,679	212,534
0195	366	834	29,115	1,241	47,527	315	15,899	485	1,747	94,288
0196	648	2,720	94,927	2,655	101,703	222	11,193	6,166	22,198	230,021
0000 (e)										
Non-agricultural (f)	170	833	29,080	1,800	68,921	159	8,030	4,956	17,842	123,873
Total Victoria (g)	32,688	170,436	5,948,226	190,046	7,278,781	10,783	543,480	509,264	1,833,351	15,603,838

(a) Refer to page ... for a description of ASIC classes. (b) Includes non-land-based beekeeping establishments. (c) Excludes electricity and selected fuels for non-land-based beekeeping establishments. (d) Excludes electricity generated for own use. (e) The ASIC codes assigned in 1987-88 reflect the agricultural activities carried out on establishments operating at 31 March 1988. Due to a variety of reasons a number of establishments neither grew crops nor grazed livestock during the year ended 31 March 1988 resulting in a 'nil activity' industry classification. (f) Non-agricultural establishments with agricultural activity. (g) State totals are estimated independently to reduce the standard error and do not equal the sum of the ASIC class estimates.

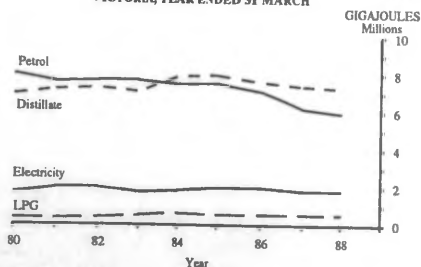
ENERGY CONSUMPTION OF ELECTRICITY AND SELECTED FUELS,
VICTORIA, YEAR ENDED 31 MARCH 1988



ENERGY CONSUMPTION BY ASIC INDUSTRY CLASS,
VICTORIA, YEAR ENDED 31 MARCH 1988



ENERGY CONSUMPTION OF ELECTRICITY AND SELECTED FUELS,
VICTORIA, YEAR ENDED 31 MARCH



SECTION IV: STRUCTURE OF THE AGRICULTURAL SECTOR STRUCTURAL CONCEPTS

EXPLANATORY NOTES

Australian Standard Industrial Classification

2. The Australian Standard Industrial Classification (ASIC) defines the industries of the economy for statistical purposes, thus permitting the scope of the different economic statistical collections to be specified without gaps or overlapping between them. It also sets out standard rules for identifying the economic units referred to in these tables (i.e. establishments and enterprises) and for coding them to the industries of the Classification. The 1983 edition of ASIC Subdivision 01, Agriculture, has been used for tables 14 to 17 covering agricultural industries.

Definitions

3. An enterprise is defined broadly as the unit comprising all operations in Australia of a single operating legal entity. The term *legal entity* is used to cover a sole operator, partnership, company, trust, cooperative society, or estate in the private sector, or a department, local government authority, or statutory authority in the government sector. An *agricultural enterprise* is an enterprise which is mainly engaged in agricultural activities. For the agricultural sector a *multi-State enterprise* is an enterprise which undertakes agricultural activities in more than one State or Territory. An *establishment* covers all operations carried out by one enterprise at a single physical location.

Structural statistics

(Industry and size classification)

4. Establishments within the agricultural sector have been classified in accordance with the methodology used in the 1983 edition of the *Australian Standard Industrial Classification* (ASIC), continuing the practice commenced with the 1978-79 issue of this publication. A list of industries in the ASIC which relate to *Subdivision 01: Agriculture* is given in the table on page 27.

5. The basic method for determining the industry class of an economic unit is the 'step by step' method of classification described in Chapter 4 of the *Australian Standard Industrial Classification* (1201.0). Certain departures from this basic method are outlined in the descriptions of individual classes within ASIC *Subdivision 01: Agriculture*. The basic method requires that the ASIC Division code of the unit be determined first. The ASIC Subdivision code within the major ASIC Division of the unit is then determined, followed by the ASIC Group code and finally the ASIC Class code of the unit.

6. The ASIC Group and Class codes of agricultural units are determined annually by valuing

physical crop and livestock activity undertaken by each unit (as reported in the Agricultural Census), assessing that unit's **PREDOMINANT ACTIVITY** according to the derived estimated value and then attributing the unit to the ASIC Group and Class appropriate to that activity. The aggregation of derived values for all crop and livestock activity for each unit is termed the **ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (EVAO)**. It should be clearly 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.

Comparison with previous periods

7. Prior to 1984-85, valuation procedures used to determine EVAO utilised three year weighted average prices. Between 1984-85 and 1985-86, current year prices were used but from 1986-87, the method of calculating EVAO reverted to the three year weighted average prices method.

Financial statistics

8. The latest estimates of the financial performance of enterprises engaged in agricultural activities have been derived from the 1980-81 *Agricultural Finance Survey* and are published in *Agricultural Industries, Financial Statistics, Australia, 1980-81* (7507.0). The next Survey is being conducted in respect of the year 1987-88 and it is expected that estimates will be available during 1989. No estimates are available for the intervening years between 1981-82 to 1985-86.

9. The population for the 1980-81 Survey consisted of all enterprises classified to an industry class of ASIC within Subdivision 01: Agriculture, and with an EVAO of \$1,500 or more. Selections were made from each State and Territory and a special selection was made to cover multi-State enterprises (i.e. enterprises which undertook agricultural activities in more than one State or Territory). The financial details collected relate to the agricultural and (where applicable) non-agricultural business activities of the selected enterprises. Any enterprise which was predominately engaged in non-agricultural activity was regarded as out of scope of the Survey even though it had one more establishment engaged in agriculture.

10. Detailed Explanatory notes concerning the Survey framework, data items, etc. are given in the publication *Agricultural Industries, Financial Statistics, Australia, 1980-81* (7507.0).

AUSTRALIAN STANDARD INDUSTRIAL CLASSIFICATION (ASIC) (1983 EDITION)
DIVISION, SUBDIVISION, GROUP, AND CLASS TITLES
DIVISION A: AGRICULTURE, FORESTRY, FISHING, AND HUNTING

Subdivision	Group	Class	Title
01			AGRICULTURE
	012		Poultry
		0124	Poultry for meat
		0125	Poultry for eggs
	013		Fruit
		0134	Grapes
		0135	Plantation fruit
		0136	Orchard and other fruit
	014		Vegetables
		0143	Potatoes
		0144	Vegetables (except potatoes)
	018		Cereal grains, sheep, cattle, and pigs
		0181	Cereal grains (incl. oilseeds nec)
		0182	Sheep - cereal grains
		0183	Meat cattle - cereal grains
		0184	Sheep - meat cattle
		0185	Sheep
		0186	Meat cattle
		0187	Milk cattle
		0188	Pigs
	019		Other agriculture
		0191	Sugar cane
		0192	Peanuts
		0193	Tobacco
		0194	Cotton
		0195	Nurseries
		0196	Agriculture nec

TABLE 14. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, CLASSIFIED BY ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (EVAO), AND INDUSTRY OF ESTABLISHMENT (ASIC), VICTORIA, AT 31 MARCH 1988

ASIC assigned in 1988.

EVAO assigned in 1988
\$'000

Code Description	<20	20-49	50-99	100-149	150-199	200-249	250-299	300 plus	Total establishments
0124 Poultry for meat	3	8	38	25	19	11	6	13	123
0125 Poultry for eggs	6	11	20	17	18	18	8	57	155
0134 Grapes	82	400	715	239	76	19	25	24	1,580
0136 Orchard and other fruit	59	180	236	155	100	49	42	143	964
0143 Potatoes	9	59	110	91	78	55	41	75	518
0144 Vegetables (except potatoes)	28	98	124	86	56	48	36	102	578
0181 Cereal grains (incl. oilseeds)	114	367	523	384	235	135	90	151	1,999
0182 Sheep-cereal grains	64	731	1,359	864	491	220	126	168	4,023
0183 Meat cattle-cereal grains	24	65	58	24	5	5	-	4	185
0184 Sheep-meat cattle	58	669	836	377	161	100	53	120	2,374
0185 Sheep	195	1,566	2,373	1,057	482	231	123	217	6,244
0186 Meat cattle	514	2,011	881	215	68	29	15	28	3,761
0187 Milk cattle	83	1,171	4,573	1,728	513	169	58	76	8,371
0188 Pigs	12	36	55	49	31	20	25	61	289
0193 Tobacco	-	15	40	54	27	20	13	12	181
0195 Nurseries	25	73	95	47	28	18	7	75	368
0196 Agriculture nec	115	254	140	57	36	10	12	25	649
Total establishments (ASIC Code 01)	1,391	7,714	12,176	5,469	2,424	1,157	680	1,351	32,362
Non-agricultural industry establishments	13	71	43	16	7	6	3	11	170
Total establishments all industries	1,556	7,786	12,219	5,485	2,432	1,163	683	1,364	32,688

TABLE 15. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AT 31 MARCH 1987 AND 1988 (a) (b), CLASSIFIED BY ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (EVAO) AND MOVEMENT IN EVAO BETWEEN 1987 AND 1988, VICTORIA

EVAO assigned in 1987 \$'000	EVAO assigned in 1988 \$'000							Total establish- ments
	<20	20-49	50-99	100-149	150-199	200-249	250-299	300 plus
<20	68	103	103	63	39	21	9	52
20-49	1,173	6,753	2,859	118	30	6	12	19
50-99	239	833	8,670	2,488	163	32	16	15
100-149	40	53	497	2,435	1,191	124	34	24
150-199	10	19	53	304	780	540	104	41
200-249	9	11	21	48	166	310	276	109
250-299	3	2	6	20	40	90	156	213
300 plus	14	12	10	9	23	40	76	891
Total establishments	1,556	7,786	12,219	5,485	2,432	1,163	683	1,364
								32,688

(a) Includes non-land-based beekeeping establishments. (b) Refer to notes above Table 14.

TABLE 16. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY AT 31 MARCH 1987 AND 1988 (a)
CLASSIFIED BY INDUSTRY OF ESTABLISHMENT (ASIC) AND MOVEMENT IN ASIC BETWEEN 1987 AND 1988, VICTORIA

ASIC assigned in 1986-87	ASIC assigned in 1987-88																		Total Non-establi- shments
	0124	0125	0134	0136	0143	0144	0181	0182	0183	0184	0185	0186	0187	0188	0193	0195	0196	'Nil'	
0000	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	3
0124	113	4	-	-	-	1	-	-	-	-	2	-	-	-	-	-	-	-	3
0125	5	148	1	-	-	-	3	-	-	-	2	2	-	-	-	-	-	3	165
0134	-	-	1,549	21	-	11	-	-	-	-	4	3	-	-	-	-	-	1	1,623
0136	1	-	16	917	-	12	-	-	-	-	4	2	-	-	1	7	-	27	1,623
0143	-	-	-	-	467	4	-	1	-	-	5	12	2	-	-	21	3	4	997
0144	-	-	7	16	11	521	2	2	3	1	15	11	11	-	-	7	-	5	522
0181	3	1	1	1	-	1	1,836	985	27	-	3	27	9	-	-	12	1	2	617
0182	1	-	-	1	-	1	121	2,908	7	53	76	4	7	22	-	-	13	30	3,016
0183	-	-	-	-	-	2	15	6	126	22	774	7	2	1	-	-	6	11	3,893
0184	-	-	-	-	4	-	-	9	7	1,953	325	130	17	1	-	-	2	1	243
0185	-	-	2	2	12	2	6	107	1	180	4,918	22	14	4	-	3	5	8	2,464
0186	-	-	1	3	11	14	2	2	9	126	27	3,076	85	1	-	12	27	14	5,323
0187	-	2	1	3	11	7	3	1	3	18	37	329	8,198	6	1	43	26	10	3,440
0188	-	-	-	-	-	-	7	-	-	1	13	14	12	252	-	-	24	29	8,677
0193	-	-	-	-	-	-	-	-	-	-	-	8	1	-	179	-	-	1	300
0195	-	-	1	-	1	1	1	1	-	-	-	1	1	-	-	-	244	1	189
0196	-	-	1	-	1	1	3	1	2	11	35	54	6	2	-	17	541	5	252
Total																			681
(ASIC 01)	123	155	1,580	964	518	578	1,999	4,023	185	2,374	6,244	3,761	8,371	289	181	368	649	152	17 32,531
Non agricultural (b)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	153 157
Total establishments	123	155	1,580	964	518	578	1,999	4,023	185	2,374	6,244	3,761	8,371	289	181	368	649	156	170 32,688

(a) Includes non-land-based beekeeping establishments, refer also to notes above Table 14. (b) Non-agricultural establishments with agricultural activity.

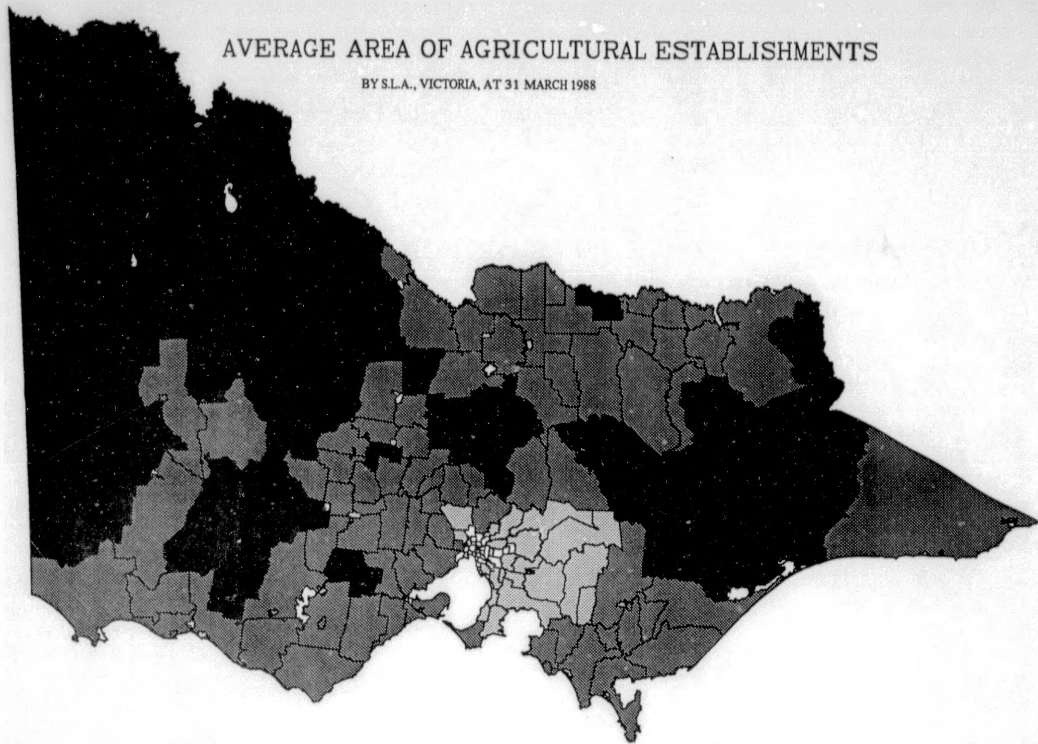
TABLE 17. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY (a), CLASSIFIED BY INDUSTRY OF ESTABLISHMENT (ASIC)
(b), BY STATISTICAL DIVISION, VICTORIA, AT 31 MARCH 1988

ASIC	Melbourne	Barwon	South Western	Central Highlands	Wimmera	Northern Mallee	Loddon-Campaspe	Goulburn	North Eastern	East Gippsland	Central Gippsland	East Central	Total Victoria
0124 Poultry for meat	73	18	-	-	7	1	8	2	1	-	2	11	123
0125 Poultry for eggs	67	16	5	7	3	6	26	14	2	-	5	4	155
0134 Grapes	14	6	4	10	4	1,477	18	21	24	2	-	-	1,580
0136 Orchard and other fruit	214	5	6	20	8	202	31	372	36	1	12	57	964
0143 Potatoes	34	57	35	159	-	2	18	23	-	1	126	63	518
0144 Vegetables (except potatoes)	321	16	4	13	1	43	28	72	-	49	11	20	578
0181 Cereal grains (incl. oilseeds)	7	17	6	7	995	684	182	82	17	2	-	-	1,999
0182 Sheep-cereal grains	28	126	78	151	1,464	672	841	538	123	1	1	-	4,023
0183 Meat cattle-cereal grains	11	10	1	5	20	24	26	56	24	6	2	-	185
0184 Sheep-meat cattle	56	114	617	147	41	39	166	470	254	215	222	33	2,374
0185 Sheep	54	411	1,948	1,033	692	123	749	724	117	207	173	13	6,244
0186 Meat cattle	286	147	472	77	11	66	187	502	659	318	822	214	3,761
0187 Milk cattle	176	598	1,663	60	16	195	748	1,831	377	361	2,041	285	8,371
0188 Pigs	14	12	22	17	34	24	84	57	12	4	7	2	289
0193 Tobacco	-	-	-	-	-	-	-	-	-	-	-	-	181
0195 Nurseries	211	19	5	13	5	21	8	15	6	20	20	25	368
0196 Agriculture nec	108	31	21	48	28	23	97	147	63	22	38	23	649
0000 Nil activity (c)	13	5	5	8	15	39	17	24	6	2	19	3	156
Non agricultural industry establishments (d)	25	12	20	10	9	14	13	18	10	11	16	12	170
Total establishments all industries	1,712	1,620	4,912	1,785	3,353	3,655	3,247	4,988	1,912	1,222	3,517	765	32,688

(a) Includes non land based beekeeping establishments. (b) Refer Explanatory notes Section IV. (c) Refer to notes above Table 14. (d) Non-agricultural establishments with agricultural activity.

AVERAGE AREA OF AGRICULTURAL ESTABLISHMENTS

BY S.L.A., VICTORIA, AT 31 MARCH 1988



0 TO 9
500 TO 999

10 TO 99
MORE THAN 999

100 TO 499

HECTARES PER ESTABLISHMENT

STATISTICAL DIVISIONS

Statistical Local Areas

VICTORIA

STATISTICAL DIVISIONS
Statistical Local Areas

City (C), Town (T), Borough (B), Rural City (RC), Shire (S)

Scale: 0 20 40 60 80 100 km

Major regions and cities shown on the map include:

- Northern Mallee:** Mildura, Swan Hill, Kerang, Renmark.
- Wimmera:** Ararat, St Albans, Horsham, Warracknabeal.
- Central Highlands:** Ballarat, Geelong, Melbourne.
- South Western:** Portland, Devonport, Launceston.
- Melbourne:** Melbourne, Footscray, Sunshine, St Albans.
- East Gippsland:** Bairnsdale, Sale, Morwell.