



WOOL AUSTRALIA 1980-81

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WOOL, AUSTRALIA

1980-81

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EXPLANATORY NOTES

Introduction

This publication contains details of sheep numbers classified by various factors such as age and sex, wool obtained, as well as details of exports, prices, gross values and wool consumption. Details of the structure of agricultural enterprises operating in the sheep industries are also included.

2. Some of the statistics in this publication are derived from the annual Agricultural Census, conducted at 31 March, which collects commodity data from establishments with agricultural activity throughout Australia. In recent years, the ABS has been gradually excluding from the statistics those establishments whose contribution to agricultural production is small. While this has resulted in changes to the number of establishments appearing in publications the effect on the statistics of production of major commodities is small. Statistics of minor commodities normally associated with small scale operations may be affected to a greater extent.

3. From 1980, establishments with agricultural activity have been included in the statistics if the enterprises operating the establishments had or were expected to have Estimated Value of Agricultural Operations (EVAO) of \$1,500 or more during the current season. Details of the methods used in the calculation of EVAO are contained in the publication *Agricultural Sector, Structure of Operating Units, Australia, 1979-80* (7102.0).

4. Unless otherwise stated, raw wool is greasy, slipe, scoured and/or carbonised wool. Processed wool includes wool tops, woollen and worsted yarn and unprocessed felt. Wool processors include scourers, carbonisers, top makers, yarn spinners and fellmongers. In this publication, statistics on production, overseas trade, stocks and consumption are shown mainly on a greasy or clean weight basis. As industry statistics are often reported in product weight it is necessary to use factors to obtain greasy or clean weight for comparative purposes.

Definitions

5. The definitions below should further assist in interpreting the statistics in this publication.

Scoured weight. The weight of scoured wool, including moisture regain and such vegetable matter as remain in the wool after scouring (but before carbonising in the case of carbonising wools).

Clean weight. The weight of scoured or carbonised wool in a completely clean state (i.e. with all vegetable matter removed) including standard moisture regain.

Carbonised weight. The weight of carbonised wool after carbonising including moisture regain.

Scoured yield. Scoured weight as a percentage of original greasy weight.

Clean yield. Clean weight as a percentage of original greasy weight.

Standard moisture regain. Bradford standard regains are adopted (16 per cent for carding and carbonising wools, 19 per cent on tops for combing wools).

6. The clean yield of the Australian wool clip is assessed annually by the Australian Wool Corporation. It is an Australian average and is not suitable for use with data for individual States. Other yields such as the percentage relationship between greasy input and scoured/carbonised output are based on the operations of Australian wool textile mills. In some cases standard yield factors have been adopted.

7. The principal greasy wool yields are shown in the table below; other yield factors for products such as tops and yarn are available on request. Noils, fettlings and waste wool produced as a by-product of carding, combing and spinning operations are not taken into account directly but an allowance is made for them in the yield factors.

GREASY WOOL YIELDS
(per cent)

Year	Clean yield(a)	Scoured yield(b)
1975-76	60.18	58.4
1976-77	59.21	58.1
1977-78	59.93	62.5
1978-79	60.35	62.1
1979-80	60.69	58.3
1980-81	60.56	63.0

(a) This represents the Australian Wool Corporation's measure of the clean yield for the Australian wool clip. (b) This represents the percentage relationship between greasy input and scoured and carbonised output by Australian wool textile mills.

8. A more detailed explanation of wool yields is given in earlier issues of this publication.

Related publications

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

Agricultural Sector, Structure of Operating Units, 1979-80 (7102.0)

Livestock, Australia, 31 March 1981 (7203.0)

Livestock Products, Australia (7215.0)—issued monthly
Manufacturing Commodities, Selected Principal Articles Produced, Australia (Preliminary), 1979-80 (8365.0)

Agricultural Industries, Financial Statistics, Australia (Preliminary), 1980-81 (7508.0)

Agricultural Sector, Financial Statistics, 1977-78 (7507.0)

Manufacturing Commodities, Principal Articles Produced, Australia 1977-78 and 1978-79 (8303.0)

Overseas Trade, Australia, Part 1: Exports and Imports, 1979-80 (5409.0)

Production Bulletin No. 4: Textiles, Bedding and Floor Coverings, Australia (8360.0)—issued monthly

Sheep Numbers, Shearing and Wool Production Forecast, Australia 1981-82 Season (7211.0)

Value of Agricultural Commodities Produced, Australia, Second Estimates, 1980-81 (7502.0)

Shearing and Wool Production Forecast, Australia, (Preliminary) 1981-82 (7210.0)

10. In addition to these publications further Agricultural Census details for small areas are available on request. Also, small area statistics are available on magnetic tape and microfiche which, in certain cases, are subject to a charge.

11. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue* and *Publications Advice* are available from any ABS office.

Symbols and other usages

— nil or rounded to zero

p preliminary—figure or series subject to revision

12. *Yearly periods*, shown as e.g. 1981, refer to the year ended 31 December 1981, those shown as e.g. 1980-81, refer to the year ended 30 June 1981. Other yearly periods are specifically indicated.

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

I. SHEEP AND WOOL STATISTICS

TABLE 1. SHEEP AND LAMB NUMBERS ('000)

At 31 March	N.S.W.	Vic.	Qld.	S.A.	W.A.	Tas.	Aust.
SHEEP							
1976	40,858	19,960	11,487	13,288	26,692	3,167	115,566
1977	38,545	18,055	11,217	12,216	24,409	3,033	107,575
1978	36,829	17,476	11,085	11,259	23,800	2,935	103,267
1979	37,018	17,886	10,958	11,675	23,186	3,047	103,861
1980	36,800	18,489	10,108	12,022	22,915	3,089	103,701
1981	35,600	19,477	9,414	12,892	22,975	3,190	103,629
LAMBS							
1976	12,342	5,435	2,113	3,991	8,079	1,082	33,077
1977	11,155	3,870	2,087	2,916	6,749	982	27,785
1978	11,371	4,345	2,353	2,814	6,023	1,044	28,178
1979	11,382	4,664	2,638	3,265	7,079	1,110	30,360
1980	11,800	5,911	1,856	4,024	7,516	1,156	32,284
1981	10,400	6,010	1,207	4,164	7,789	1,190	30,777
TOTAL							
1976	53,200	25,395	13,599	17,279	34,771	4,249	148,643
1977	49,700	21,925	13,304	15,132	31,158	4,015	135,360
1978	48,000	20,021	13,436	14,071	29,823	3,969	131,445
1979	48,800	22,750	13,592	14,940	30,265	4,157	136,422
1980	48,600	24,400	12,163	16,046	30,431	4,245	135,985
1981	46,000	25,487	10,620	17,056	30,764	4,380	134,407

TABLE 2. SHEARING AND WOOL PRODUCTION

	Shorn numbers ('000)			Average fleece weights (kg)			Wool production (tonnes)				
							Shorn wool			Other wool	Total wool
	Sheep	Lambs	Total	Sheep	Lambs	Total	Sheep	Lambs	Total		
New South Wales											
1975-76	44,620	8,180	53,000	4.57	1.60	4.10	203,780	13,420	217,201	23,071	240,272
1976-77	42,630	7,270	49,900	4.61	1.58	4.17	196,393	11,475	207,868	25,015	232,883
1977-78	41,341	7,619	49,000	4.68	1.60	4.20	193,597	12,255	205,852	25,130	230,991
1978-79	41,600	8,400	50,000	4.92	1.75	4.39	204,660	17,700	222,360	29,769	252,129
1979-80	40,900	8,400	49,300	4.82	1.63	4.27	196,955	13,700	210,655	21,821	232,476
1980-81	40,300	8,100	48,300	4.62	1.55	4.10	185,656	12,561	198,217	22,392	220,609
Victoria											
1975-76	23,271	5,819	29,110	4.42	1.37	3.81	102,798	8,020	110,818	27,080	137,898
1976-77	21,734	4,404	26,138	4.20	1.31	3.72	91,378	7,769	99,147	26,996	126,143
1977-78	21,449	5,194	26,643	4.50	1.32	3.88	96,471	8,667	105,138	28,346	133,484
1978-79	22,569	5,896	28,465	4.69	1.46	4.02	105,848	8,582	114,431	24,241	138,672
1979-80	23,184	6,845	30,029	4.76	1.45	4.01	110,404	9,912	120,316	27,050	147,366
1980-81	23,668	6,942	30,610	4.70	1.47	3.97	111,318	10,305	121,623	24,756	146,379
Queensland											
1975-76	12,149	1,572	13,721	4.79	2.09	4.48	58,193	3,283	61,476	4,840	66,316
1976-77	11,569	1,472	13,041	4.56	2.03	4.54	56,179	2,989	59,168	5,276	64,495
1977-78	11,131	1,582	12,913	4.54	1.81	4.20	51,399	2,859	54,259	5,013	59,272
1978-79	11,854	1,850	13,734	4.68	1.99	4.32	55,630	3,689	59,319	4,512	63,831
1979-80	10,556	1,471	12,027	4.93	2.06	4.58	52,044	3,034	55,078	3,923	59,001
1980-81	9,738	896	10,633	4.27	1.89	4.07	41,699	1,689	43,398	3,233	46,531
South Australia											
1975-76	15,867	4,540	20,407	5.77	1.74	4.87	91,513	7,918	99,432	6,210	105,642
1976-77	13,984	3,126	17,111	5.90	1.78	5.15	82,575	5,571	88,146	6,198	94,344
1977-78	13,471	3,194	16,664	5.74	1.68	4.96	77,334	5,381	82,715	3,605	86,320
1978-79	13,033	3,333	16,366	5.95	1.81	5.11	77,557	6,045	83,603	3,789	87,391
1979-80	13,417	4,128	17,546	6.21	1.80	5.30	83,122	7,860	90,982	6,739	97,721
1980-81	14,653	4,504	19,157	6.06	1.83	5.07	88,805	8,233	97,039	5,729	102,768
Western Australia											
1975-76	31,363	7,526	38,889	5.20	1.43	4.47	163,230	10,757	173,987	9,635	183,622
1976-77	29,135	6,114	35,289	5.03	1.36	4.39	146,625	8,294	154,919	11,456	166,375
1977-78	28,293	5,580	33,873	4.73	1.43	4.10	133,942	7,987	141,929	7,473	149,402
1978-79	27,321	6,534	33,855	5.09	1.51	4.40	139,093	8,867	147,960	6,182	154,142
1979-80	27,804	7,091	34,895	4.90	1.46	4.20	136,184	10,760	146,950	4,770	151,729
1980-81	28,867	7,674	36,541	5.10	1.56	4.36	147,320	11,997	159,317	4,470	163,787
Tasmania											
1975-76	3,579	772	4,351	4.73	1.34	4.13	16,930	1,032	17,962	1,999	19,951
1976-77	3,492	737	4,229	4.37	1.28	3.82	15,247	927	16,174	1,935	18,109
1977-78	3,483	759	4,242	4.58	1.32	4.00	15,947	1,003	16,950	1,784	18,734
1978-79	3,508	811	4,319	4.65	1.40	4.04	16,307	1,135	17,442	1,636	19,078
1979-80	3,668	882	4,550	4.63	1.38	4.06	16,978	1,215	18,193	1,810	20,003
1980-81	3,660	968	4,629	4.56	1.44	3.91	16,099	1,192	17,291	1,958	19,249
Australia(a)											
1975-76	310,973	28,650	339,623	4.86	1.55	4.27	636,986	44,461	681,447	72,875	754,324
1976-77	222,697	23,138	245,835	4.80	1.51	4.28	588,866	35,039	623,906	78,826	702,731
1977-78	199,469	23,984	223,453	4.76	1.52	4.22	569,093	36,373	605,467	71,550	677,017
1978-79	220,019	26,840	246,860	5.00	1.64	4.38	599,569	44,038	643,607	60,649	704,258
1979-80	199,619	28,313	227,932	4.98	1.60	4.33	596,280	46,114	642,394	66,113	708,507
1980-81	120,877	29,099	149,975	4.90	1.58	4.25	591,779	49,094	640,874	62,538	703,412

(a) Includes the Australian Capital Territory, prior to 1975-76, also included the Northern Territory.

TOTAL AUSTRALIAN EXPORTS AND AGRICULTURAL PRODUCTS
1975-76 TO 1980-81

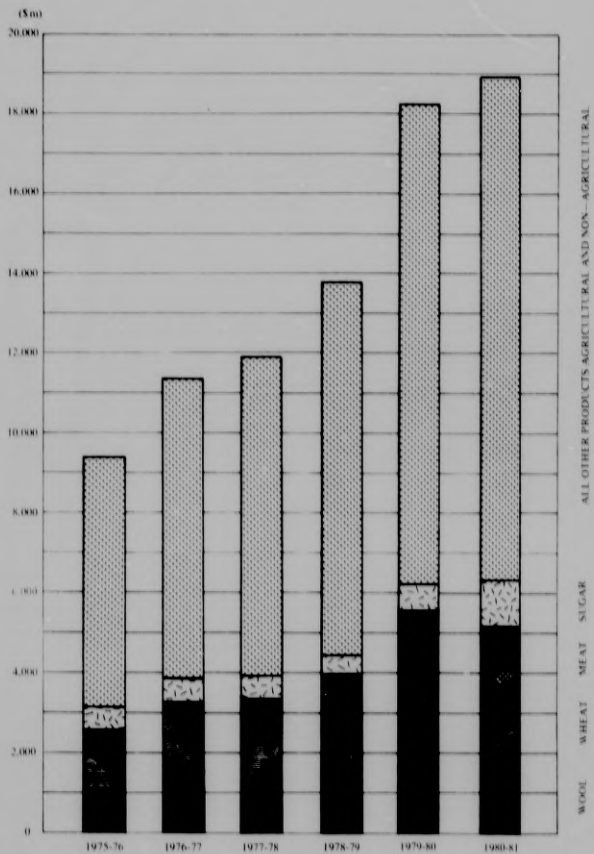


TABLE 3. SUMMARY OF WOOL PRODUCTION AND EXPORTS, AUSTRALIA

Year	Total wool production		Value of wool production as % of total agriculture	Wool exports		Value of wool exports as % of total Australian exports
	Greasy basis (100 tonnes)	Gross value (\$ m)		Greasy basis (100 tonnes)	Value (\$ m)	
1975-76	754.3	1,000	16.2	732.2	1,032	11.0
1976-77	702.7	1,173	17.3	850.5	1,587	13.9
1977-78	677.0	1,206	17.2	647.0	1,289	10.8
1978-79	704.3	1,374	13.4	739.9	1,502	11.5
1979-80	708.5	1,651	14.0	658.1	1,744	9.6
1980-81	700.4	p1,672	14.4	693.6	1,937	10.2

TABLE 4. BREEDS OF SHEEP, AUSTRALIA(a)
(¹ 000)

At 31 March	Other recognised breeds						Merino crossbreds (b)	Cross-breeds (c)	Total
	Merino	Corriedale	Polwarth	Border Leicester	Dorset Horn	Other (incl. unspecified)			
1965	129,754	10,641	3,484	2,600	1,130	1,732	19,587	4,364	16,917
1968	122,438	10,362	3,574	2,048	1,162	1,807	18,954	4,516	21,005
1971	132,218	8,650	3,768	1,825	1,348	1,827	17,438	5,005	22,131
1974	110,142	5,845	3,037	1,757	1,152	1,810	15,602	1,982	15,450
1977(d)	104,681	5,230	2,823	2,251	1,014	3,333	14,651	2,535	13,491
1980—									
N.S.W.	35,817	1,411	236	597	550	644	3,439	924	8,420
Vic.	12,752	3,136	732	440	556	1,193	6,058	1,130	4,460
Qld	11,829	6	31	16	13	49	114	69	151
S.A.	13,591	607	131	119	95	228	1,181	157	1,117
W.A.	28,250	419	63	80	100	493	1,155	341	686
Tas.	449	549	1,838	61	45	370	2,862	386	548
A.C.T.	78		(6)	1	1	1	2	1	16
Australia(f)	102,766	6,128	3,031	1,314	1,361	2,978	14,811	3,069	15,368

(a) Collected triennially since 1947. (b) Finer than half-breed. (c) Including half-breed Merino and coarse. (d) Estimated, not collected in Queensland and the Northern Territory. (e) Not available separately, included in 'other (incl. unspecified)'. (f) Incomplete, not collected in the Northern Territory.

TABLE 5. SHEEP AND LAMBS: ANALYSIS OF MOVEMENT IN NUMBERS, AUSTRALIA
(¹ 000)

Year ended 31 March	Number at beginning of season	Lambs marked	Net exports	Sheep and lambs slaughtered(a)	Estimated deaths on farms(b)	Number at close of season
1975-76	151,653	44,121	1,779	31,745	13,607	148,643
1976-77	148,643	38,382	3,009	34,050	14,006	135,360
1977-78	135,360	39,400	4,241	30,101	9,063	131,445
1978-79	131,445	42,530	3,682	26,833	9,138	134,222
1979-80	134,222	45,784	5,303	30,514	8,204	135,985
1980-81	135,985	43,714	5,409	31,655	8,228	134,407

(a) Comprises statistics from abattoirs and other major slaughtering establishments and includes estimates of animals slaughtered on farms and by country butchers, includes animals condemned or those killed for boiling down. (b) Balance figure, excludes lambs which died before marking.

TABLE 6. LAMING

Year ended 31 March	Number of breeding ewes at beginning of season (¹ 000)	Mating intent ons at start of season (¹ 000)	Actual matings (¹ 000)	Ratio of actual matings to intended matings %	Lambs marked (¹ 000)	Ratio of lambs marked to actual matings %	Ratio of lambs marked to breeding ewes %
1975-76	70,647	65,060	60,526	93	44,121	73	62
1976-77	68,473	63,036	57,950	92	38,382	66	56
1977-78	64,749	59,773	56,586	95	39,490	70	61
1978-79	63,630	58,536	57,137	98	42,530	74	67
1979-80	65,855	60,350	59,501	99	45,784	77	70
1980-81—							
N.S.W.	24,888	21,098	20,248	96	15,249	75	61
Vic.	11,297	11,524	10,836	94	9,167	85	81
Qld	5,364	4,154	3,241	78	1,281	40	34
S.A.	8,042	8,241	7,732	94	6,315	82	79
W.A.	14,816	14,827	14,112	95	10,004	71	68
Tas.	2,022	2,064	1,891	92	1,673	88	83
Australia(a)	66,471	61,948	58,096	94	43,714	75	66

(a) Includes the Australian Capital Territory, data is not collected from the Northern Territory.

H. WOOL RECEIVALS

TABLE 7. BROKERS AND DEALERS RECEIVALS OF TAXABLE WOOL(a)

Year	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
BROKERS(b) (⁰ 000 tonnes)							
1975-76	123.7	140.5	56.0	74.9	113.6	16.4	525.2
1976-77	118.0	120.5	53.4	68.5	101.4	14.5	476.3
1977-78	114.8	125.1	48.9	60.5	94.6	15.8	459.7
1978-79	121.2	130.3	53.2	62.4	98.4	15.8	481.4
1979-80	114.6	138.2	48.4	70.9	94.9	16.1	483.1
1980-81	116.0	166.1	44.6	74.4	107.0	15.7	523.8
DEALERS(c) (⁰ 000 tonnes)							
1975-76	40.9	28.9	8.0	21.3	60.7	1.8	161.6
1976-77	39.2	28.3	8.7	18.3	55.1	1.9	151.5
1977-78	43.4	31.3	8.9	19.1	50.8	1.7	155.2
1978-79	43.5	40.7	10.1	14.5	54.2	1.7	164.8
1979-80	41.1	45.0	11.5	16.2	59.3	2.1	175.2
1980-81	30.6	33.2	2.8	17.9	47.7	2.0	134.2
BROKERS AND DEALERS (⁰ 000 tonnes)							
1975-76	164.7	169.4	64.0	96.2	174.3	18.2	686.9
1976-77	157.2	148.8	62.1	86.8	156.5	16.4	627.8
1977-78	158.2	156.4	57.8	79.5	145.4	17.5	614.9
1978-79	164.7	171.1	63.3	77.0	152.6	17.5	646.2
1979-80	155.7	183.2	59.9	87.1	154.2	18.1	658.3
1980-81	146.6	199.3	47.5	92.3	154.7	17.7	658.0
BROKERS AS A PERCENTAGE OF TOTAL RECEIVALS							
1975-76	75.1	82.9	87.5	77.9	65.2	90.3	76.5
1976-77	75.1	81.0	86.0	78.9	64.8	88.6	75.9
1977-78	72.6	80.0	84.7	76.0	65.1	90.2	74.8
1978-79	73.6	76.2	84.0	81.1	64.5	90.3	74.5
1979-80	73.6	75.4	80.7	81.4	61.6	88.6	73.4
1980-81	79.1	83.3	94.0	80.6	69.2	88.6	79.6

(a) Excludes wool received by brokers on which tax has already been paid by other dealers (private buyers) or brokers. The data is on the basis of the State in which the wool has actually been received and does not necessarily reflect the production of wool in that State. (b) Members of the National Council of Wool Selling Brokers of Australia (NCWSB). (c) Includes brokers who are not members of the NCWSB.

TABLE 8. BROKERS RECEIVALS AND DISPOSAL(a), AUSTRALIA
(Source: National Council of Wool Selling Brokers of Australia)

Year	Total receipts(b) (' 000 bales)	Sold at auction				Shipped abroad for sale (' 000 bales)	Awaiting disposal at end of year(c) (' 000 bales)
		Number (' 000 bales)	Amount realised (\$ m)	Average price per kg (cents)	Average net weight/bale (kg)		
1975-76	3,902	3,749	799	143.25	148.81	2	151
1976-77	3,594	3,461	940	182.73	148.59	4	129
1977-78	3,371	3,288	945	187.14	153.57	2	80
1978-79	3,381	3,253	1,054	205.24	157.86	4	123
1979-80	3,405	3,260	1,265	243.57	159.31	1	143
1980-81	3,479	3,367	1,389	255.97	161.19	1	111

(a) Includes transactions of brokers operating through the NCWSB. (b) Includes wool undisposed of during the previous year. (c) Includes wool passed in or unoffered.

NOTE: Particulars shown in this table include very small quantities of scoured wool, the bale weight of which is about 100 kg.

III. WOOL STOCKS

TABLE 9. RECORDED STOCKS OF RAW AND PROCESSED WOOL, AUSTRALIA
('000 tonnes)

At 30 June	Raw wool				Held by the Australian Wool Corporation(a)	Processed wool held by wool processors		Total wool
	Held by wool processors		Held by brokers dealers, etc. (a)	Wool tops		Woolen and worsted yarn		
	Greasy and slope	Scoured and carbonised						
							Sold	
GREASY								
1976	11.4	9.4	132.3	22.3	197.4	4.4	5.2	382.4
1977	9.4	8.0	64.7	19.4	164.1	3.9	4.7	274.2
1978	9.9	7.2	58.3	13.0	133.6	3.0	5.7	230.7
1979	12.6	9.9	65.5	19.5	54.5	2.8	6.3	171.0
1980	10.1	9.6	91.8	23.7	33.5	4.8	6.5	180.1
1981	9.4	9.4	83.8	18.9	31.7	3.6	7.2	164.0
CLEAN EQUIVALENT								
1976	6.9	4.5	79.6	13.4	118.8	2.6	3.1	228.9
1977	5.5	3.8	38.3	11.5	97.2	2.3	2.8	161.4
1978	5.9	3.4	35.0	7.8	80.1	1.8	3.4	137.4
1979	7.6	4.7	39.5	11.7	32.9	1.7	3.8	101.9
1980	6.1	4.6	55.7	14.4	20.3	2.9	4.0	108.0
1981	5.7	4.5	50.7	11.5	19.2	2.2	4.3	98.1

(a) Assumed to be all greasy; includes stock held overseas.

IV. GROSS VALUE OF WOOL

TABLE 10. GROSS VALUE OF WOOL
(\$ million)

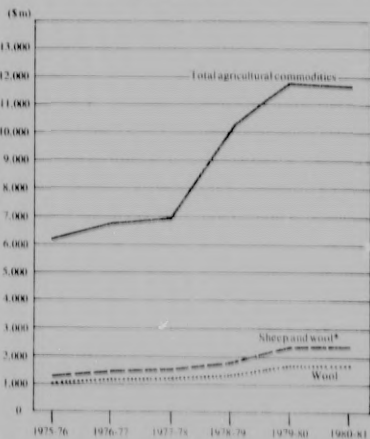
	N.S.W.	Vic	Qld	S.A.	W.A.	Tas.	Aust (a)
Total wool—							
1975-76	322	175	91	132	251	28	1,000
1976-77	405	177	110	154	291	35	1,173
1977-78	418	229	107	145	270	37	1,206
1978-79	478	271	127	162	293	42	1,374
1979-80	547	341	139	215	357	51	1,651
1980-81p							
Shorn wool	477	300	113	232	400	49	1,573
Other wool(b)	42	34	4	9	9	2	99
Total wool	520	333	117	241	409	51	1,672

(a) Includes the Australian Capital Territory. (b) Comprises dead and fellmongered wool and wool exported on skins.

TABLE 11. COMPARISON OF THE GROSS VALUE OF AGRICULTURAL COMMODITIES, AUSTRALIA
(\$ million)

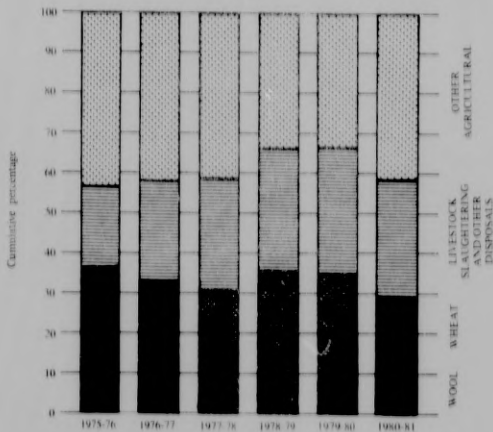
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81p
Crops—						
Wheat	1,249	1,051	935	2,296	2,478	1,705
Other crops	1,999	2,138	2,114	2,617	3,063	3,689
Livestock slaughtering and other disposals—						
Cattle and calves	706	1,011	1,177	2,155	2,386	2,094
Sheep and lambs	204	299	345	445	654	701
Other	336	376	433	498	619	652
Livestock products—						
Wool	1,000	1,173	1,206	1,374	1,651	1,672
Total whole milk	492	521	553	632	680	867
Other	186	188	211	212	237	259
Total agriculture	6,173	6,757	6,974	10,228	11,768	11,643

GROSS VALUE OF AGRICULTURAL COMMODITIES, AUSTRALIA, 1975-76 TO 1980-81
(Sheep and wool in perspective)



*Comprises gross value of wool and of sheep and lamb slaughterings

PERCENTAGE OF TOTAL GROSS VALUE OF AGRICULTURAL COMMODITIES, AUSTRALIA
1975-76 TO 1980-81



V. OVERSEAS TRADE

TABLE 12. EXPORTS OF RAW WOOL ACCORDING TO PRINCIPAL COUNTRIES OF CONSIGNMENT, AUSTRALIA

Country of consignment	Actual weight ('000 tonnes)			Value f.o.b. (\$ m)		
	1978-79	1979-80	1980-81	1978-79	1979-80	1980-81
GREASY WOOL						
Belgium-Luxembourg	20.9	21.3	18.6	41.8	46.2	51.6
China (excl. Taiwan Province)	4.9	12.1	27.5	12.4	36.6	83.2
Taiwan Province	20.9	18.5	24.6	38.6	39.5	53.9
France	40.7	41.1	38.1	82.6	91.7	95.2
Germany, Federal Republic of	40.8	35.4	32.5	93.5	90.2	93.7
India	14.7	13.6	18.0	28.5	30.4	42.6
Italy	48.1	42.0	48.9	100.2	106.9	138.1
Japan	154.2	123.2	112.7	329.2	320.2	296.0
Korea, Republic of	24.0	16.4	20.6	55.4	46.7	61.8
Netherlands	13.1	8.4	12.0	26.3	18.6	30.2
Poland	22.2	21.9	20.2	48.8	56.0	58.1
U.S.S.R.	83.1	79.0	80.2	186.0	203.9	221.7
Other countries	78.2	72.4	77.8	183.3	200.9	237.3
Total	565.8	505.3	531.7	1,226.6	1,287.8	1,463.4
SCOURED AND CARBONISED WOOL						
China (excl. Taiwan Province)	1.8	0.6	2.7	5.6	2.4	10.4
France	1.0	1.7	1.4	3.0	5.5	5.6
Germany, Federal Republic of	3.7	4.4	3.6	11.4	15.1	13.4
Hong Kong	0.8	0.8	1.1	3.1	3.5	5.8
Italy	7.5	10.9	12.9	26.6	45.0	64.1
Japan	19.9	19.2	23.5	71.5	81.4	107.6
Korea, Republic of	4.5	4.6	6.2	16.7	18.5	29.6
United Kingdom	4.0	3.4	3.2	12.4	11.4	12.8
U.S.A.	5.6	6.8	7.5	15.3	21.8	26.6
Other countries	9.5	9.1	7.3	30.8	32.5	29.7
Total(a)	58.3	61.5	69.4	196.4	237.1	305.6

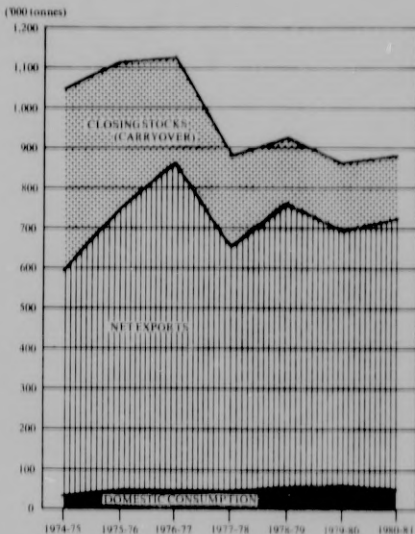
(a) Includes washed and scoured wools (skin and boiled); not included in countries of consignment above.

TABLE 13. OVERSEAS TRADE IN RAW AND PROCESSED WOOL, AUSTRALIA
('000 tonnes greasy basis)

	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81
EXPORTS						
Raw wool—						
Greasy and slip	583.3	675.6	493.6	568.4	505.3	531.7
Scoured and carbonised	68.9	82.9	70.7	89.0	93.2	105.5
Exported on skins	65.5	70.9	64.4	54.6	59.5	56.3
Total	718.0	829.4	628.7	711.9	658.1	693.6
Processed wool—						
Wool tops	14.2	21.1	18.3	20.6	24.5	24.0
Woolen and worsted yarn	0.1	—	—	—	0.4	0.2
Total	14.3	21.1	18.3	20.7	24.9	24.2
Total exports	732.2	850.5	647.0	732.6	683.0	717.8
IMPORTS						
Raw wool(a)	23.1	18.1	19.5	19.0	19.7	17.4
Processed wool(b)	4.8	5.5	6.4	3.4	5.7	6.1
Total imports	27.9	23.5	25.9	22.4	25.4	23.6

(a) Greasy, slip, scoured and carbonised wool. (b) Wool tops, woolen and worsted yarn.

RAW WOOL : DISPOSALS AND CARRYOVER, AUSTRALIA
1974-75 TO 1980-81



VI. WOOL CONSUMPTION

Two series of calculations on Australian wool consumption are shown below.

- Consumption of raw wool*, which measures consumption in terms of scoured wool used by mills.
- Consumption of processed wool*, which is calculated from the usage of woollen and worsted yarn.

Raw wool comprises greasy, slip, scoured and carbonised wool. This series has been included for comparison purposes with other countries.

2. This second series is considered to be a more satisfactory measure of Australian wool consumption, principally because allowance is made for significant quantities of wool tops exported. However, both series relate to consumption of wool by the wool textile industry, and should not be used as measures of consumption in terms of retail purposes. It has not been possible to estimate wool consumption at the retail level because of the impracticability of obtaining reliable data concerning the wool content of the multiplicity of woollen and worsted piece-goods and finished articles exported and imported and held as stock by manufacturers, wholesalers and retailers.

TABLE 14. CONSUMPTION OF RAW AND PROCESSED WOOL, AUSTRALIA
(* 000 tonnes)

	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81p
RAW WOOL						
Woolen and worsted systems—						
Greasy basis	47.6	48.0	46.3	49.9	54.9	49.7
Clean equivalent	26.4	26.5	27.5	29.4	30.4	29.8
Total consumption of raw wool(a)—						
Greasy basis	48.7	49.1	47.5	51.0	56.1	50.9
Clean equivalent	26.9	27.0	28.0	30.0	30.9	30.3
PROCESSED WOOL						
Pure worsted yarns—						
Greasy basis	11.9	10.6	10.2	9.9	10.1	7.1
Clean equivalent	6.5	5.7	5.9	5.7	5.5	4.1
Mixed worsted yarns(b)—						
Greasy basis	2.4	2.1	1.8	2.0	2.3	1.8
Clean equivalent	1.3	1.1	1.0	1.1	1.2	1.0
Woolen yarn(c)—						
Greasy basis	17.3	15.0	14.2	14.7	15.8	14.7
Clean equivalent	9.9	8.5	8.7	9.0	9.0	9.1
Total consumption of processed wool(a)—						
Greasy basis	32.7	28.7	27.3	27.7	29.3	24.7
Clean equivalent	18.2	15.9	16.2	16.4	16.3	14.8

(a) Includes wool used for felt manufacture. (b) Wool content of yarns containing a mixture of wool and other fibres. (c) Comprises pure and mixed woollen yarn.

VII. WORLD SHEEP AND WOOL STATISTICS

Sheep numbers—These have been compiled by the Australian Meat and Livestock Corporation from US Department of Agriculture circulars. Some data have been estimated by the Economic Affairs Division of the Commonwealth Secretariat.

Production and consumption data—Data for countries other than Australia have been compiled from

statistics published by the Economic Affairs Division of the Commonwealth Secretariat. Production figures are given according to the 'wool seasons' in the countries concerned. These vary. For example, in southern hemisphere countries the season runs from July to June; in the United Kingdom, from April to March. Consumption data normally relate to calendar years.

TABLE 15. WORLD SHEEP NUMBERS AND RAW WOOL PRODUCTION : SELECTED COUNTRIES

Country	World sheep numbers			Est. raw wool production		
	1979	1980	1981p	1978-79	1979-80	1980-81p
	—million head—			—'000 tonnes greasy—		
Five major exporting countries—						
Argentina	33	32	32	171	166	163
Australia	134	136	134	704	709	700
New Zealand	64	66	68	321	357	385
South Africa	32	33	33	102	103	104
Uruguay	21	23	24	63	70	78
Other countries—						
Brazil	18	19	19	30	31	35
China	95	103	105	136	153	176
India	41	41	41	35	35	35
Iran	33	32	n.y.a.	17	17	17
Turkey	44	46	n.y.a.	57	57	57
United Kingdom	22	22	22	49	48	51
United States of America	12	13	13	47	48	49
U.S.S.R.	143	144	142	467	472	462

NOTE: Various dates of enumeration are used by countries reporting animal numbers. In this table data are classified as close to 1 January as possible; Australian data is at 31 March.

TABLE 16. ESTIMATED WORLD CONSUMPTION OF RAW WOOL BY THE WOOL TEXTILE INDUSTRY
('000 tonnes clean equivalent)

COUNTRY	1978	1979	1980
Argentina	35	26	23
Australia	30	31	30
Belgium	31	33	36
China (excl. Taiwan Province)	78	95	123
France	105	108	110
Germany, Federal Republic of	59	61	60
Italy	113	137	141
Japan	111	120	105
Poland	27	25	21
Romania	24	25	26
South Africa	16	23	25
Turkey	32	33	31
United Kingdom	109	106	92
United States of America	50	54	56
U.S.S.R.	335	346	331
Other countries	317	332	351
Total	1,472	1,555	1,561

VIII. STRUCTURAL AND FINANCIAL STATISTICS

- (References: (1) *Agricultural Sector, Structure of Operating Units, Australia, 1979-80 (7102.0)*
(2) *Agricultural Industries, Financial Statistics, Australia (Preliminary) 1980-81 (7508.0)*)

Tables 17 to 19 contain details of the structure and estimates of the financial performance of economic units engaged in the sheep industries.

Australian Standard Industrial Classification (ASIC)

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. enterprises) and for coding them to the industries of the Classification. The ASIC codes shown in Tables 17 and 18 became operative with the introduction of the 1978 edition of ASIC and were first applied to agricultural statistics for 1978-79. The 1978 edition of ASIC (1201.0) changed ASIC Code Numbers, abolished the ASIC Class *Multi-purpose farming*, and combined the ASIC Classes *Oilseeds, n.e.c.* and *Cereal Grains*. Consequently, the statistics shown for 1978-79 and later years in Tables 17 and 18, are not strictly comparable with those for previous periods although the differences are only minor. For a full explanation of the changes and their effects see Explanatory notes, paragraphs 7 to 12 in the reference publication (1) above.

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, co-operative 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

4. Each agricultural enterprise is classified each year to an industry of ASIC Subdivision 01, Agriculture, by applying unit prices to each agricultural activity undertaken by the enterprise and by then assessing the predominant activity according to the estimated value derived. An enterprise is not tabulated if the estimated value derived is less than \$1,500. A more detailed explanation of the units involved in agriculture and the determination of the industry of such economic units is given in the reference publication (1) above.

Financial statistics

5. Financial statistics of agricultural enterprises derived from the 1977-78 Agricultural Finance Survey, were last published in the 1978-79 issue of this publication. The latest (preliminary) estimate of the financial performance of enterprises engaged in agricultural activities have been derived from the 1980-81 Agricultural Finance Survey and published in the reference publication (2) above. As this Survey is now conducted on a triennial basis, no estimates are available for 1978-79 or 1979-80.

6. The population for the 1980-81 Survey consisted of all enterprises classified to an industry class within Subdivision 01 'Agriculture' of ASIC and with an estimated Value of Agricultural Operations (VAO) 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 predominantly engaged in non-agricultural activity was regarded as out of scope of the Survey even though it had one or more establishments engaged in agriculture.

7. Detailed Explanatory notes concerning the Survey framework, data items, etc., are given in the publication *Agricultural Sector, Financial Statistics, 1977-78 (7507.0)*. Detailed Explanatory notes for the current Survey will be included in the publication *Agricultural Industries, Financial Statistics, Australia, 1980-81 (7507.0)* to be released later this year.

Accuracy of estimates

8. Sample survey estimates may differ from results which would have been obtained from a comparable complete collection. A measure of the likely difference is given by the standard error (SE) of the estimates. There are about two chances in three that a sample estimate will differ by less than one standard error from the figures that would have been obtained from a comparable complete collection, and about nineteen chances in twenty that the difference will be less than two standard errors. For example, if a sample survey gives an estimate of \$4,660 million and the SE of this estimate is 2%, i.e. \$93.2 million, then there would be two chances in three that a comparable complete collection would give a figure within the range \$4,566.8 million to \$4,753.2 million, and nineteen chances in twenty that the figure would be within the range \$4,473.6 million to \$4,846.4 million.

TABLE 17. NUMBER OF AGRICULTURAL ENTERPRISES BY SELECTED ASIC INDUSTRY CLASS

ASIC code	Industry of enterprise		N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust. (a)
	Description								
0182	Sheep—cereal grains	1975-76	7,796	4,291	345	4,682	5,530	56	22,755
		1976-77	7,438	3,917	339	4,923	6,161	86	22,918
		1977-78	7,796	4,442	328	5,509	6,079	60	24,266
		1978-79	7,361	4,217	312	4,598	5,530	109	22,179
		1979-80	7,674	4,290	293	4,850	5,554	85	22,795
0184	Sheep—meat cattle	1975-76	4,517	4,856	942	1,342	783	764	13,306
		1976-77	4,516	4,695	875	1,319	813	625	12,933
		1977-78	4,722	4,494	969	1,336	800	609	13,031
		1978-79	4,834	4,102	1,065	1,252	846	541	12,735
		1979-80	4,594	3,755	1,131	1,030	889	679	12,168
0185	Sheep	1975-76	6,899	6,107	1,306	2,283	2,227	824	19,754
		1976-77	6,501	5,483	1,359	2,505	2,030	918	18,879
		1977-78	6,269	5,654	1,251	2,404	2,000	1,053	18,721
		1978-79	6,089	5,908	983	2,106	2,117	1,210	18,497
		1979-80	6,691	6,004	967	2,328	2,264	1,121	19,466
01	Total agriculture	1975-76	52,344	48,163	33,485	19,342	16,175	6,143	176,489
		1976-77	49,586	46,788	32,297	18,921	15,691	5,768	169,754
		1977-78	48,806	46,626	32,185	19,236	15,756	5,793	169,143
		1978-79	48,562	47,536	32,867	19,391	16,065	5,847	170,989
		1979-80	51,788	45,898	32,881	19,692	15,718	5,710	172,402

(a) Includes enterprises in the Northern Territory, Australian Capital Territory and multi-State enterprises. For further details see Explanatory notes, paragraphs 1 and 23 in the reference publication (1) above.

TABLE 18. AGRICULTURAL ENTERPRISES BY SELECTED ASIC INDUSTRY CLASS AND LEGAL STATUS, AUSTRALIA(a)
(Number)

ASIC code	Industry of enterprise		Sole operator	Family partnership	Other partnership	Private in- corporated company	Public in- corporated company	Other (b)	Total enterprises
	Description								
0182	Sheep—cereal grains	1975-76	5,448	15,654	412	776	10	455	22,755
		1976-77	5,110	16,016	438	867	14	473	22,918
		1977-78	5,109	17,158	501	954	19	525	24,266
		1978-79	4,545	15,647	577	921	7	482	22,179
		1979-80	4,511	16,148	635	1,002	12	487	22,795
0184	Sheep—meat cattle	1975-76	5,031	6,948	290	669	16	352	13,306
		1976-77	4,766	6,789	325	675	16	362	12,933
		1977-78	4,479	7,012	419	707	21	393	13,031
		1978-79	4,069	6,968	512	804	22	360	12,735
		1979-80	3,840	6,654	527	802	16	329	12,168
0185	Sheep	1975-76	7,692	10,269	429	711	14	639	19,754
		1976-77	7,148	9,953	464	718	16	580	18,879
		1977-78	6,716	10,119	511	797	22	556	18,721
		1978-79	6,338	10,082	637	860	25	555	18,497
		1979-80	6,437	10,776	752	944	22	535	19,466
01	Total agriculture	1975-76	63,206	100,181	3,424	5,902	128	3,648	176,489
		1976-77	58,975	97,470	3,614	5,982	128	3,585	169,754
		1977-78	55,672	99,169	4,883	6,422	176	3,621	169,143
		1978-79	53,407	101,797	4,861	7,187	189	3,548	170,989
		1979-80	53,021	102,687	5,369	7,706	188	3,431	172,402

(a) Includes enterprises in the Northern Territory, Australian Capital Territory and multi-State enterprises. (b) Includes co-operative societies, trusts and estates.

TABLE 19. ESTIMATES OF THE FINANCIAL PERFORMANCE OF AGRICULTURAL ENTERPRISES BY SELECTED ASIC CLASS, AUSTRALIA(a), 1976-77, 1977-78 AND 1980-81p

Items	All industries 01						1980-81p					
	1976-77		1977-78		1980-81 p		Sheep— cereal grains 0182		Sheep— meat cattle 0184		Sheep 0185	
	\$ m	SE%	\$ m	SE%	\$ m	SE%	\$ m	SE%	\$ m	SE%	\$ m	SE%
Sales of crops	2,900.4	2	2,281.5	2	4,657.1	2	1,142.9	3	39.7	14	79.7	17
Sales of livestock	1,404.3	2	1,677.9	2	3,100.9	2	424.0	4	600.6	4	342.3	5
Sales of livestock products	1,632.4	2	1,682.0	1	2,416.9	2	518.5	4	304.6	5	504.1	4
Turnover	6,133.6	1	5,874.2	1	(b)10,537.4	1	2,128.3	2	983.3	3	954.2	3
Purchases and selected expenses	2,690.4	1	2,838.7	1	(b)5,340.7	1	1,036.1	2	534.7	4	502.4	3
Value added(c)	3,310.0	1	2,869.9	1	(b)5,032.6	2	1,052.2	3	388.4	9	466.5	5
Adjusted value added(c)	2,924.6	2	2,472.6	2	4,460.4	2	950.7	4	319.5	11	407.8	5
Gross operating surplus(c)	2,401.7	2	1,896.4	2	3,648.7	2	864.1	4	217.3	16	333.8	7
Cash operating surplus(d)	2,291.8	2	1,801.6	2	3,458.3	2	839.4	4	243.7	11	274.5	8
Total net capital expenditure	820.9	3	772.7	3	1,288.3	3	287.9	6	86.2	12	103.1	13
Gross indebtedness	3,397.0	3	3,395.8	3	4,929.2	3	1,046.9	7	478.7	9	508.0	9

(a) Includes the Australian Capital Territory, Northern Territory and multi-State enterprises (see page 12, paragraph 6). (b) Not strictly comparable with earlier years (for details, see Explanatory notes to *Agricultural Industries, Financial Statistics, Australia (preliminary) 1980-81* (7508 0)). (c) Includes an estimate for the value of the increase in livestock. (d) Excludes an estimate for the value of the increase in livestock.

IX. SIZE OF SHEEP FLOCK

TABLE 20. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY CLASSIFIED ACCORDING TO AREA OF ESTABLISHMENT AND SIZE OF SHEEP FLOCK, AUSTRALIA(a), AT 31 MARCH 1978 TO 1980

	Size of sheep flock (number)																	Estab-lish-ments with sheep	Estab-lish-ments with no sheep	Total estab-lish-ments	
	1-99	100-499	500-999	1,000-1,499	1,500-2,999	3,000-4,999	5,000-9,999	10,000-14,999	15,000-19,999	20,000-24,999	25,000-49,999	50,000 and over									
1978	8,742	18,863	16,031	10,162	6,579	7,946	4,291	2,486	1,567	1,086	705	449	337	769	204	153	7	80,377	101,748	182,125	
1979	8,618	17,871	15,797	10,452	6,732	8,144	4,425	2,554	1,624	1,106	755	489	335	769	236	141	7	80,055	104,661	184,716	
1980—																					
N.S.W.	1,978	4,973	5,300	4,010	2,795	3,246	1,701	1,003	602	372	242	143	144	230	60	47	1	26,847	29,941	56,788	
Vic	3,147	6,342	4,838	2,838	1,673	1,724	799	347	203	142	72	62	29	59	11	12	—	22,208	27,753	49,961	
Qld	526	470	289	235	213	336	329	273	206	154	112	91	71	153	48	29	1	3,536	32,449	35,985	
S.A.	1,414	3,221	3,334	2,075	1,115	1,019	444	188	113	65	51	24	23	56	19	15	3	13,179	9,998	23,177	
W.A.	822	1,125	1,341	1,442	1,215	2,108	1,416	772	478	320	190	124	74	186	48	23	3	11,687	6,708	18,395	
Tas	789	1,135	451	249	120	179	94	73	39	22	35	16	14	45	18	9	—	3,288	2,892	6,180	
Area of establishment (hectares)																					
0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(b)1,924	(b)1,924	
>0- 4	142	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	146	6,101	6,247
5- 9	343	16	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	362	5,522	5,884
10- 19	698	160	5	1	—	2	—	—	—	—	—	—	—	—	—	—	—	—	866	8,524	9,390
20- 29	625	350	5	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	981	5,953	6,934
30- 39	572	509	14	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,097	5,500	6,597
40- 49	601	681	36	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1,321	6,301	7,622
50- 74	906	1,349	180	17	—	3	—	—	—	—	—	—	—	—	—	—	—	—	2,457	11,473	13,930
75- 99	673	1,235	367	28	1	—	—	1	—	—	—	—	—	—	—	—	—	—	2,305	8,354	10,659
100- 124	504	1,110	464	87	8	2	—	—	—	—	—	—	—	—	—	—	—	—	2,176	6,436	8,612
125- 149	424	1,073	596	165	13	8	—	1	—	—	—	—	—	—	—	—	—	—	2,280	5,415	7,695
150- 199	602	1,556	1,131	492	118	30	4	—	—	—	—	—	—	—	—	—	—	—	3,933	6,718	10,651
200- 249	423	1,470	1,284	712	316	108	12	1	2	—	—	—	—	—	—	—	—	—	4,328	4,978	9,306
250- 299	331	1,200	1,268	713	333	203	10	4	—	—	—	—	—	—	—	—	—	—	4,061	4,653	7,716
300- 399	436	1,631	2,061	1,277	733	601	100	9	1	—	—	—	—	—	—	—	—	—	6,849	4,257	11,106
400- 499	274	1,213	1,715	1,224	781	761	213	33	5	1	—	—	—	—	—	—	—	—	6,240	3,083	9,323
500- 749	349	1,555	2,046	2,095	1,455	1,684	696	223	70	19	7	1	—	2	—	—	—	—	10,802	4,201	15,003
750- 999	181	690	1,278	1,233	955	1,163	674	339	156	69	17	12	4	1	—	—	—	—	6,772	2,142	8,914
1,000- 1,999	344	939	1,758	1,906	1,539	2,309	1,442	805	499	326	192	104	62	62	12	3	—	—	12,287	3,841	16,128
2,000- 2,999	110	254	387	489	456	782	568	362	220	152	119	64	61	128	12	3	2	4,169	1,372	5,541	
3,000- 3,999	44	86	142	168	161	309	260	182	121	84	57	37	29	71	19	4	—	1,774	719	2,493	
4,000- 4,999	24	44	64	75	70	163	133	109	88	42	30	19	16	46	18	5	—	946	479	1,425	
5,000- 9,999	42	67	76	87	104	249	256	221	160	124	77	60	39	102	45	22	—	1,731	1,084	2,815	
10,000-19,999	21	52	37	50	49	140	197	182	150	120	79	68	55	88	22	15	1	1,326	706	2,032	
20,000-29,999	5	8	7	11	16	39	60	95	69	58	42	26	32	69	20	17	—	574	308	882	
30,000-49,999	4	13	9	10	11	23	33	50	63	49	51	36	26	51	21	19	—	469	275	744	
50,000 and over	8	14	15	20	17	44	36	41	36	32	32	33	30	107	46	50	5	566	799	1,365	
Total number of establishments(c)	8,686	17,279	15,566	10,864	7,137	8,624	4,695	2,658	1,641	1,076	703	460	355	729	204	135	8	80,820	110,118	190,938	

(a) Detailed state information is available on request.

(b) Establishments engaged in beekeeping and possessing no land.

(c) Includes the Northern Territory and the Australian Capital Territory.