



WOOL, AUSTRALIA

1979-80

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WOOL, AUSTRALIA

1979-80

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INQUIRIES

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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, 1978-79* (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)
1974-75	59.9	61.7
1975-76	60.2	58.4
1976-77	59.2	58.1
1977-78	59.9	62.5
1978-79	p60.35	62.1
1979-80	p60.43	58.2

(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. *Agricultural Sector, Structure of Operating Units, 1978-79* (7102.0)

Brokers and Dealers Receipts of Taxable Wool, Australia (7213.0) - issued monthly

Livestock, Australia, 31 March 1980 (7203.0)

Manufacturing Commodities, Selected Principal Articles Produced, Australia (Preliminary), 1978-79 (8365.0)

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

Overseas Trade, Australia, Part 1 : Exports and Imports, 1978-79 (5409.0)

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

Sheep Numbers, Shearing and Wool Production Forecast, Australia, 1980-81 Season (7211.0)

Value of Agricultural Commodities Produced, Australia (Second estimates), 1979-80 (7502.0)

Wool Production and Shearing, Australia, Preliminary Estimates, 1980-81 (7210.0)

10. In addition to these publications further Agricultural Census details for small areas are available in published form and on magnetic tape and microfiche.

11. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0) which is available free of charge 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. 1980, refer to the year ended 31 December 1980, those shown as e.g. 1979-80, refer to the year ended 30 June 1980. 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. (a)
SHEEP							
1975	41,615	20,790	11,323	13,404	26,306	3,102	116,633
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	36,629	17,476	11,085	11,259	23,800	2,925	103,267
1979	37,018	17,886	10,958	11,675	23,186	3,047	103,861
1980	36,800	18,489	10,308	12,022	22,915	3,089	103,700
LAMBS							
1975	13,368	5,621	2,585	4,217	8,171	1,034	35,020
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	4,545	2,353	2,814	6,023	1,044	28,178
1979	11,382	4,864	2,634	3,265	7,079	1,110	30,360
1980	11,800	5,911	1,856	4,024	7,516	1,156	32,283
TOTAL							
1975	54,983	26,410	13,908	17,621	34,476	4,136	151,653
1976	53,200	25,395	13,599	17,279	34,771	4,249	148,643
1977	49,700	21,925	13,404	15,132	31,158	4,015	135,360
1978	48,000	22,021	13,336	14,073	29,823	3,969	131,445
1979	48,400	22,750	13,592	14,940	30,265	4,157	134,222
1980	48,600	24,400	12,163	16,046	30,431	4,245	135,984

(a) Includes the Australian Capital Territory; prior to 1980, also included the Northern Territory.

TABLE 2. SHEARING AND WOOL PRODUCTION

	Wool production (tonnes)										
	Shorn numbers ('000)			Average fleece weight (kg)			Shorn wool				
	Sheep	Lambs	Total	Sheep	Lambs	Total	Sheep	Lambs	Total shorn	Other wool	Total wool
New South Wales —											
1974-75	44,623	8,977	53,600	4.87	1.68	4.33	217,236	15,045	232,281	21,987	254,268
1975-76	44,620	8,380	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	7,659	49,000	4.68	1.60	4.20	193,597	12,255	205,852	25,139	230,991
1978-79	41,600	8,400	50,000	4.92	1.75	4.39	204,660	14,700	219,360	20,289	239,649
1979-80	40,900	8,400	49,300	4.82	1.63	4.27	196,950	13,700	210,650	21,821	232,471
Victoria —											
1974-75	26,385	6,591	32,976	4.87	1.50	4.20	128,613	9,887	138,500	27,042	165,543
1975-76	23,771	5,839	29,610	4.42	1.37	3.81	102,798	8,020	110,818	27,000	137,898
1976-77	21,734	4,404	26,138	4.20	1.31	3.72	91,378	5,769	97,147	28,996	126,143
1977-78	21,449	5,194	26,643	4.50	1.32	3.88	96,421	6,867	103,288	28,346	131,634
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
Queensland —											
1974-75	12,004	1,829	13,833	4.83	2.06	4.47	58,014	3,762	61,776	4,486	66,262
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	4.86	2.03	4.54	56,179	2,909	59,088	5,226	64,395
1977-78	11,331	1,582	12,913	4.54	1.81	4.20	51,399	2,859	54,259	5,013	59,272
1978-79	11,884	1,850	13,734	4.68	1.99	4.32	55,630	3,089	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	3,924	59,002
South Australia —											
1974-75	14,749	4,445	19,195	6.39	1.97	5.36	94,181	8,760	102,941	5,042	107,983
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	14,471	3,194	17,664	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	1.90	5.20	83,322	7,860	91,182	4,748	95,930
Western Australia —											
1974-75	30,348	7,644	37,992	5.31	1.44	4.53	161,057	11,036	172,093	7,883	179,975
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	29,175	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	4.19	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	9,867	148,960	7,665	156,625
1979-80	27,804	7,091	34,895	5.40	1.46	4.20	136,184	10,375	146,559	11,612	158,171
Tasmania —											
1974-75	3,417	736	4,153	4.74	1.31	4.13	16,182	965	17,147	1,741	18,888
1975-76	3,579	772	4,351	4.73	1.34	4.13	16,930	1,032	17,962	1,989	19,951
1976-77	3,492	737	4,229	4.37	1.26	3.82	15,247	927	16,174	1,935	18,109
1977-78	3,483	758	4,241	4.58	1.32	4.00	15,947	1,003	16,950	1,974	18,924
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	4.00	16,978	1,215	18,193	1,810	20,003
Australia (a) —											
1974-75	131,635	30,250	161,885	5.13	1.64	4.48	675,795	49,503	725,298	68,181	793,479
1975-76	130,973	28,650	159,623	4.86	1.55	4.27	636,986	44,461	681,449	72,825	754,274
1976-77	122,697	23,138	145,835	4.80	1.51	4.28	588,866	35,339	624,206	78,826	703,033
1977-78	119,470	23,984	143,453	4.76	1.52	4.22	569,093	36,773	605,867	71,550	677,017
1978-79	120,019	26,840	146,860	5.00	1.64	4.38	599,569	44,038	643,609	62,132	705,741
1979-80	119,619	28,833	148,452	4.98	1.60	4.33	596,275	46,114	642,389	70,965	713,354

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

TOTAL AUSTRALIAN EXPORTS, AGRICULTURAL AND OTHER PRODUCTS
1974-75 TO 1979-80

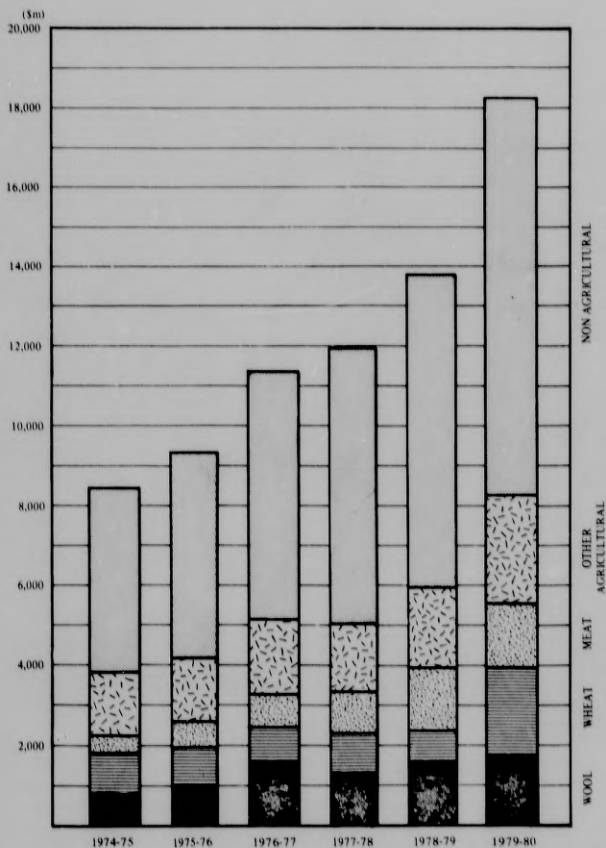


TABLE 3. SUMMARY OF WOOL PRODUCTION AND EXPORTS, AUSTRALIA

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 ('000 tonnes)	Gross value (\$m)		Greasy basis ('000 tonnes)	Value (\$m)	
1974-75	793.5	953	16.2	586.4	786	9.3
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	705.7	1,374	13.4	733.9	1,592	11.5
1979-80	713.4	p1,646	14.0	p687.8	p1,744	p9.6

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

At 31 March	Other recognised breeds							Merino concombaks (b)	Cross- breeds (c)	Total
	Merino	Corriedale	Polwarth	Border Leicester	Dorset Horn	Other (incl. unspecified)	Total			
1965	129,754	10,641	3,484	2,600	1,130	1,732	19,587	4,364	16,917	170,621
1968	122,438	10,362	3,574	2,048	1,162	1,807	18,954	4,516	21,005	166,912
1971	133,218	8,650	3,788	1,825	1,348	1,827	17,438	5,005	22,131	177,792
1974	110,142	5,845	3,037	1,757	1,152	3,810	15,602	3,982	15,450	145,175
1977 (d)	104,681	5,230	2,823	2,251	1,014	3,333	14,651	2,535	13,491	135,360
1980 -										
N.S.W.	35,817	1,411	236	597	550	644	3,439	924	8,420	48,600
Vic.	12,752	3,136	732	440	556	1,193	6,058	1,130	4,460	24,400
Qld	11,829	6	31	16	13	49	114	69	151	12,163
S.A.	13,591	607	131	119	95	228	1,181	157	1,117	16,046
W.A.	28,250	419	63	80	100	493	1,155	341	686	30,431
Tas.	449	549	1,838	61	45	370	2,862	386	548	4,245
A.C.T.	78	-	(e)	1	1	1	2	1	16	98
Australia (f)	102,766	6,128	3,031	1,314	1,361	2,978	14,811	3,009	15,398	135,984

(a) Collected triennially since 1947. (b) Finer than half-breed. (c) Including half-breed Merino and crosser. (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
(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
1974-75	145,175	46,232	1,350	27,172	11,232	151,653
1975-76	151,653	44,121	1,779	31,745	13,607	148,643
1976-77	148,643	38,382	3,009	34,050	14,606	135,360
1977-78	135,360	39,490	4,241	30,101	9,063	131,445
1978-79	131,445	42,530	3,682	26,933	9,138	134,222
1979-80p	134,222	45,787	5,303	30,514	8,208	135,984

(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. LAMBING

Year ended 31 March	Number of breeding ewes at beginning of season ('000)	Mating intentions at start of season ('000)	Actual matings ('000)	Ratio of actual matings to intended matings		Lambs marked ('000)	Ratio of lambs marked to actual matings		Ratio of lambs marked to breeding ewes
				%			%		
1974-75	70,035	65,153	60,902	93		46,232	76		66
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 -									
N.S.W.	24,605	21,736	20,803	96		16,716	80		68
Vic.	10,880	10,725	10,723	100		9,099	85		84
Qld	5,763	5,312	4,649	88		2,237	48		39
S.A.	7,866	7,730	7,491	97		6,232	83		79
W.A.	14,757	14,396	13,936	97		9,767	70		66
Tas.	1,933	1,924	1,861	97		1,706	92		88
Australia (a)	65,855	61,869	59,500	96		45,787	77		70

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

II WOOL RECEIVALS

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

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust.
BROKERS (b) (⁰ 000 tonnes)							
1974-75	139.5	176.4	58.4	82.1	121.0	16.4	593.9
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
DEALERS (c) (⁰ 000 tonnes)							
1974-75	28.6	28.6	7.4	19.2	50.1	1.3	135.3
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
BROKERS AND DEALERS (⁰ 000 tonnes)							
1974-75	168.2	205.0	65.8	101.4	171.1	17.7	729.2
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
BROKERS AS A PERCENTAGE OF TOTAL RECEIVALS							
1974-75	83.0	86.0	88.8	81.0	70.7	92.9	81.5
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

(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 DISPOSALS (a), AUSTRALIA
(Source: National Council of Wool Selling Brokers of Australia)

	Total receipts (b) (⁰ 000 bales)	Sold at auction				Shipped abroad for sale (⁰ 000 bales)	Awaiting disposal at end of year (c) (⁰ 000 bales)
		Number (⁰ 000 bales)	Amount realised (\$m)	Average price per kg (cents)	Average net weight/bale (kg)		
1974-75	4,468	4,284	805	126.99	148.04	2	182
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	3,254	1,054	205.24	157.86	4	123
1979-80	3,405	3,260	1,265	243.57	159.31	1	143

(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						Processed wool held by wool processors		
	Held by wool processors		Held by brokers dealers, etc. (a)		Held by the Australian Wool Corporation (a)		Wool tops	Woolen and worsted yarn	Total wool
	Greasy and shipe	Scoured and carbonited	Sold	Unsold	Australia	Total (b)			
GREASY									
1975	9.5	8.4	164.6	28.5	205.1	239.3	3.1	4.4	457.7
1976	11.4	9.4	132.3	22.3	161.8	197.4	4.4	5.2	382.4
1977	9.4	8.0	64.7	19.4	117.2	164.1	3.9	4.7	274.2
1978	9.9	7.2	58.3	13.0	91.0	137.6	3.0	5.7	234.8
1979	12.6	9.9	65.5	19.5	24.4	55.8	2.8	6.3	172.3
1980p	9.6	9.9	93.3	23.7	28.7	32.9	4.8	6.9	181.1
CLEAN EQUIVALENT									
1975	5.7	4.0	98.6	17.1	122.9	143.4	1.9	2.6	273.2
1976	6.9	4.5	79.6	13.4	97.4	118.8	2.6	3.1	228.9
1977	5.5	3.8	38.3	11.5	69.4	97.2	2.3	2.8	161.4
1978	5.9	3.4	35.0	7.8	54.5	82.5	1.8	3.4	139.8
1979	7.6	4.7	39.5	11.7	14.7	33.7	1.7	3.8	102.7
1980p	5.8	4.7	56.4	14.3	17.3	19.9	2.9	4.2	108.2

(a) Assumed to be all greasy. (b) Includes stock held overseas.

IV GROSS VALUE OF WOOL

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

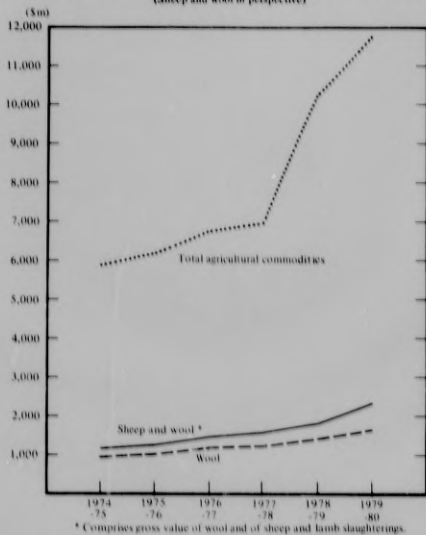
	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust. (a)
Total wool -							
1974-75	306	194	81	122	225	24	953
1975-76	322	175	91	132	251	28	1,000
1976-77	405	177	110	154	291	35	1,173
1977-78	418	229	107	145	270	37	1,206
1978-79	478	271	127	162	293	42	1,374
1979-80 p -							
Shorn wool	497	285	132	199	347	48	1,509
Other wool (b)	49	56	7	11	11	3	136
Total wool	546	341	139	210	357	51	1,646

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

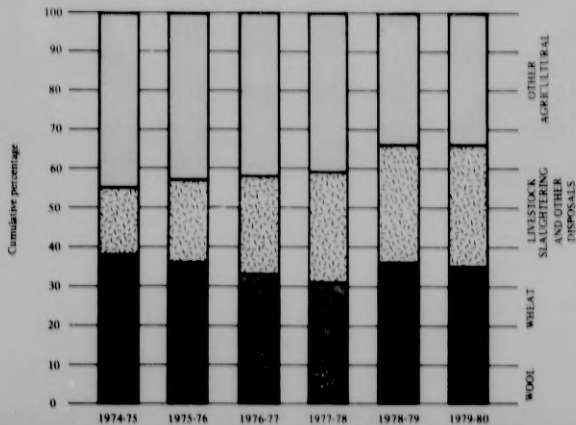
TABLE 11. COMPARISON OF THE GROSS VALUE OF AGRICULTURAL COMMODITIES, AUSTRALIA
(\$ million)

	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80p
Crops -						
Wheat	1,256	1,249	1,052	935	2,296	2,477
Other crops	1,947	1,999	2,138	2,124	2,635	3,058
Livestock slaughterings and other disposals -						
Cattle and calves	523	706	1,011	1,177	2,155	2,394
Sheep and lambs	178	204	299	345	445	661
Other	318	336	376	433	498	633
Livestock products -						
Wool	953	1,000	1,173	1,206	1,374	1,646
Total whole milk	521	492	521	553	632	680
Other	179	186	188	211	212	237
Total agriculture	5,876	6,173	6,757	6,984	10,246	11,785

GROSS VALUE OF AGRICULTURAL COMMODITIES, AUSTRALIA, 1974-75 TO 1979-80
(Sheep and wool in perspective)



PERCENTAGE OF TOTAL GROSS VALUE OF AGRICULTURAL COMMODITIES, AUSTRALIA
1974-75 TO 1979-80



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)		
	1977-78	1978-79	1979-80p	1977-78	1978-79	1979-80p
GREASY WOOL						
Belgium-Luxembourg	58.6	20.9	21.3	34.8	41.8	46.2
France	34.7	40.7	41.1	61.9	82.6	91.7
Germany, Federal Republic of	35.0	40.8	35.4	72.4	93.5	90.2
Italy	33.6	48.1	42.0	65.7	100.2	106.9
Japan	145.1	154.2	123.2	287.2	329.2	320.2
Korea, Republic of	17.2	24.0	16.4	37.8	55.4	46.7
Poland	19.1	22.2	21.9	38.3	48.8	56.0
Taiwan Province	11.0	20.9	18.5	18.8	38.6	39.5
U.S.S.R.	79.5	83.1	79.0	169.7	186.0	203.9
United Kingdom	13.5	13.1	14.1	27.6	30.2	36.4
Other countries	85.3	97.6	92.4	179.3	220.3	250.1
Total	493.6	565.8	505.3	993.5	1,226.6	1,287.8
SCOURED AND CARBONISED WOOLS						
France	0.7	0.9	1.7	2.0	3.0	5.5
Germany, Federal Republic of	3.9	3.7	4.4	11.2	11.4	15.1
Iran	0.7	0.3	2.1	1.9	1.1	7.5
Italy	5.5	7.5	10.9	18.9	26.6	45.0
Japan	15.2	19.9	19.2	54.2	71.5	81.4
Korea, Republic of	3.8	4.5	4.6	12.1	16.7	18.5
United Kingdom	3.9	4.0	3.4	11.1	12.4	11.4
U.S.A.	4.6	5.6	6.8	11.9	15.3	21.8
Other countries	6.1	9.1	8.4	19.6	29.8	31.1
Total (a)	45.9	58.3	61.5	146.6	196.4	237.1

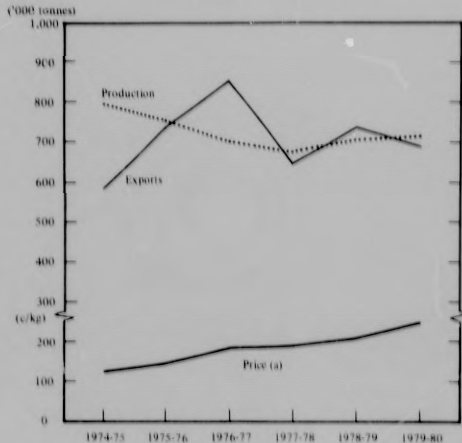
(a) Includes washed and scoured wools (skin and boiled), not included in countries of consignment above.

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

	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80p
EXPORTS						
Raw wool -						
Greasy and slip	456.9	583.5	675.6	493.6	568.4	505.3
Scoured and carbonised	58.8	68.9	82.9	70.7	89.0	93.7
Exported on skins	61.4	65.5	70.9	64.4	55.9	63.9
Total	577.0	718.0	829.4	628.7	713.3	662.9
Processed wool -						
Wool tops	9.2	14.2	21.1	18.3	20.6	24.5
Woollen and worsted yarn	0.2	0.1	-	-	-	0.4
Total	9.4	14.2	21.1	18.3	20.7	24.9
Total exports	586.4	732.2	850.5	647.0	733.9	687.8
IMPORTS						
Raw wool (a)	12.7	23.1	18.1	19.5	19.0	19.7
Processed wool (b)	2.3	4.8	5.5	6.4	3.4	5.7
Total imports	15.0	27.9	23.5	25.9	22.4	25.4

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

PRODUCTION, EXPORTS AND PRICE PER KILOGRAM OF RAW WOOL, AUSTRALIA
1974-75 TO 1979-80



(a) Yearly average; for source, see Table 8, page 8

VI WOOL CONSUMPTION

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

- (a) *Consumption of raw wool*, which measures consumption in terms of scoured wool used by mills.
- (b) *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
(⁰000 tonnes)

	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80p
RAW WOOL						
Woolen and worsted systems –						
Greasy basis	30.2	47.6	48.0	46.3	49.9	55.0
Clean equivalent	17.7	26.4	26.5	27.5	29.4	30.4
Total consumption of raw wool (a) –						
Greasy basis	31.3	48.7	49.1	47.5	51.0	56.1
Clean equivalent	18.2	26.9	27.0	28.0	30.0	30.9
PROCESSED WOOL						
Pure worsted yarns –						
Greasy basis	9.2	11.9	10.6	10.2	9.9	10.1
Clean equivalent	5.3	6.5	5.7	5.9	5.7	5.5
Mixed worsted yarns (b) –						
Greasy basis	1.7	2.4	2.1	1.8	2.0	2.3
Clean equivalent	1.0	1.3	1.1	1.0	1.1	1.2
Woolen yarn (c) –						
Greasy basis	14.3	17.3	15.0	14.2	14.7	15.8
Clean equivalent	8.6	9.9	8.5	8.7	9.0	9.0
Total consumption of processed wool (a) –						
Greasy basis	26.3	32.7	28.7	27.3	27.7	29.3
Clean equivalent	15.4	18.2	15.9	16.2	16.4	16.3

(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 woolen 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 WOOLLED SHEEP POPULATION: SELECTED COUNTRIES
(Million head)

Country	1975	1976	1977	1978	1979	1980p
Five major exporting countries –						
Argentina	37	37	38	36	35	35
Australia	152	149	135	131	134	136
New Zealand	56	57	59	62	63	64
South Africa	34	35	32	33	33	32
Uruguay	15	15	18	19	21	23
Other countries –						
Brazil	25	25	17	17	18	19
China	88	88	89	90	95	102
India	40	40	40	41	41	41
Iran	37	38	30	33	33	32
Turkey	41	41	42	43	44	45
United Kingdom	20	20	20	21	22	24
United States of America	15	13	13	12	12	13
U.S.S.R.	145	141	140	141	143	144

NOTE. Various dates of enumeration are used by countries reporting animal numbers. This table classifies these data as close to 1 January as possible; Australian data is at 31 March.

TABLE 16. ESTIMATED WORLD PRODUCTION OF RAW WOOL
(^{'000 tonnes greasy basis})

Country	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80p
Five major exporting countries -						
Argentina	184	188	176	172	171	172
Australia	793	754	703	677	706	713
New Zealand	294	312	303	311	321	357
South Africa	108	108	103	106	102	103
Uruguay	62	69	64	62	63	73
Other countries -						
Brazil	32	32	30	28	29	29
China	87	87	91	92	95	100
India	35	35	35	35	35	35
Iran	28	28	18	16	17	17
Turkey	52	53	54	55	57	57
United Kingdom	50	49	48	46	49	48
United States of America	65	58	53	50	47	47
U.S.S.R.	462	467	436	459	467	472
Other countries	370	441	487	496	513	521
Total -						
Greasy basis	2,622	2,681	2,601	2,605	2,672	2,744
Clean equivalent	1,514	1,538	1,487	1,488	1,528	1,573

TABLE 17. ESTIMATED WORLD CONSUMPTION OF RAW WOOL BY THE WOOL TEXTILE INDUSTRY
(^{'000 tonnes clean equivalent})

Country	1974	1975	1976	1977	1978	1979p
Argentina	32	32	32	37	35	26
Australia	21	22	28	25	28	31
Belgium	20	25	32	31	31	33
China (excl. Taiwan Province)	43	51	57	62	58	66
France	105	107	125	117	105	108
Germany, Federal Republic of	38	55	66	57	59	61
Italy	86	89	119	113	113	137
Japan	117	133	157	132	111	120
Poland	21	27	25	22	27	28
Romania	21	21	23	25	24	24
South Africa	12	15	17	12	16	23
Turkey	29	32	34	36	32	32
United Kingdom	113	111	120	113	109	106
United States of America	41	48	53	47	50	48
U.S.S.R.	302	313	304	316	334	342
Other countries	261	277	296	304	309	314
Total	1,262	1,358	1,488	1,449	1,441	1,499

VIII STRUCTURAL STATISTICS

(Reference : *Agricultural Sector, Structure of Operating Units, 1978-79 (7102.0)*)

Tables 18 and 19 contain details of the structure 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 18 and 19 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, in Tables 18 and 19, 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 9 to 11 in the reference publication 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 Sub-division 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 above.

Financial statistics

5. The financial statistics of agricultural enterprises for the financial year 1977-78 were last published in the 1978-79 issue of this publication. The statistics were derived from the 1977-78 Agricultural Financial Survey; the next survey is planned to be conducted for the 1980-81 financial year. No data will be available for the intervening years. Detailed information and an explanation of the framework of the survey is given in the publication *Agricultural Sector, Financial Statistics, Australia, 1977-78 (7507.0)*.

TABLE 18. NUMBER OF AGRICULTURAL ENTERPRISES BY SELECTED ASIC INDUSTRY CLASS

Industry of enterprise								
ASIC code	Description	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	Aust. (a)
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
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
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
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

(a) Includes enterprises in the Northern Territory, Australian Capital Territory and multi-State enterprises. For further details see Explanatory Notes, paragraphs 3 and 23 in the reference publication above.

TABLE 19. AGRICULTURAL ENTERPRISES BY SELECTED ASIC INDUSTRY CLASS AND
LEGAL STATUS, AUSTRALIA (a)
(Number)

Industry of enterprise			Sole operator	Family partnership	Other partnership	Private incorporated company	Public incorporated company	Other (b)	Total enterprises
ASIC code	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
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
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
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	4,083	6,422	176	3,621	169,143
		1978-79	53,407	101,797	4,861	7,187	189	3,548	170,989

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

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, 1977 TO 1979

	Size of sheep flock (number)																	Estab- lish- ments with sheep	Estab- lish- ments with no sheep	Total number of estab- lish- ments
	1-99	100-499	500-999	1,000- 1,499	1,500- 1,999	2,000- 2,999	3,000- 3,999	4,000- 4,999	5,000- 5,999	6,000- 6,999	7,000- 7,999	8,000- 8,999	9,000- 9,999	10,000- 14,999	15,000- 19,999	20,000- 49,999	50,000 and over			
1977	8,660	18,482	16,177	10,537	6,746	8,090	4,440	2,542	1,606	1,071	720	515	353	811	222	170	7	81,149	104,742	185,891
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																				
N.S.W.	1,969	5,079	5,357	3,945	2,623	3,057	1,641	950	606	403	265	168	130	253	76	44	1	26,567	26,961	53,528
Vic.	3,230	6,505	4,788	2,673	1,560	1,571	645	336	182	106	64	56	32	48	11	11	-	21,818	27,452	49,270
Qld	480	480	284	243	186	309	314	264	237	184	152	101	71	182	61	36	3	3,587	31,867	35,454
S.A.	1,366	3,573	3,539	1,920	933	930	370	190	94	71	39	23	16	53	15	15	2	13,149	8,873	22,022
Tas.	753	1,119	1,370	1,465	1,274	2,117	1,357	748	455	314	210	125	75	187	53	24	1	11,647	6,230	17,877
Tot.	807	1,104	441	194	147	151	96	64	49	27	24	16	11	45	20	11	-	3,207	2,935	6,142
Area of establishment (hectares)																				
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(b)1,810	(b)1,810
> 0	4	121	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	126	5,252	5,378
5	9	235	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	251	4,865	5,116
10	19	563	120	5	-	2	-	-	-	-	-	-	-	-	-	-	-	690	7,605	8,295
20	29	514	300	3	-	-	-	-	-	-	-	-	-	-	-	-	-	817	5,462	6,279
30	39	515	443	9	1	-	-	-	-	-	-	-	-	-	-	-	-	968	5,036	6,004
40	49	555	618	18	2	1	-	-	-	-	-	-	-	-	-	-	-	1,194	5,844	7,038
50	74	882	1,270	143	6	1	1	1	-	-	-	-	-	-	-	-	-	2,304	11,213	13,517
75	99	632	1,183	313	18	2	-	1	-	-	-	-	-	-	-	-	-	2,149	8,169	10,318
100	124	528	1,020	478	69	14	3	-	1	-	-	-	-	-	-	-	-	2,113	6,375	8,488
125	149	437	1,137	538	125	18	3	-	1	-	-	-	-	-	-	-	-	2,259	5,256	7,515
150	199	607	1,619	1,071	440	111	34	1	-	-	-	-	-	-	-	-	-	3,883	6,506	10,389
200	249	503	1,524	1,246	707	274	90	6	1	2	1	-	-	-	-	-	-	4,354	4,891	9,245
250	299	353	1,248	1,335	636	325	193	18	1	-	-	-	-	-	-	-	-	4,109	3,582	7,691
300	399	525	1,839	2,006	1,227	705	564	94	6	2	2	-	-	-	-	-	-	6,970	4,175	11,145
400	499	329	1,346	1,793	1,192	679	737	197	25	6	-	-	2	-	-	-	-	6,306	3,071	9,377
500	749	440	1,721	2,729	2,036	1,328	1,559	660	215	66	19	4	-	-	-	-	-	10,798	4,195	14,993
750	999	223	824	1,405	1,242	894	1,119	621	344	143	71	36	8	2	-	-	-	6,932	2,090	9,022
1,000	1,999	376	1,071	1,897	1,850	1,550	2,203	1,337	791	468	319	177	106	57	67	1	-	12,270	3,704	15,974
2,000	2,999	130	256	429	489	420	743	592	315	207	139	100	63	58	138	17	1	4,097	1,311	5,408
3,000	3,999	36	106	158	157	152	315	234	168	125	88	54	31	26	66	22	4	1,742	691	2,433
4,000	4,999	31	55	76	71	76	144	128	124	71	59	35	19	14	41	19	7	970	468	1,438
5,000	9,999	48	74	81	86	95	207	230	216	189	131	91	62	48	108	45	28	1,740	1,058	2,798
10,000	19,999	19	42	36	49	45	126	187	200	151	121	109	91	53	94	31	13	1,367	707	2,074
20,000	29,999	5	14	7	8	14	35	62	61	78	65	63	40	23	82	23	13	593	288	881
30,000	49,999	3	13	5	5	13	26	22	49	64	56	46	34	23	75	28	22	484	267	751
50,000 and over	8	8	15	16	15	40	34	36	52	35	40	33	30	98	50	53	6	569	770	1,339
Total number of establishments	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

(a) Detailed State information is available on request. (b) Establishments engaged in beekeeping and possuming no land.