

Western Australia



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Agriculture

Western Australia

Season 1992-93



Agriculture
Western Australia
Season 1992-93

P.C. KELLY
Deputy Commonwealth Statistician
and Government Statistician

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INQUIRIES

- Contact Mr Peter Hodgson on (09) 323 5180 for further information about statistics in this publication and the availability of related unpublished statistics.
- For information about other ABS statistics and services please refer to the back page of this publication.

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SHIRE LEVEL AGRICULTURAL STATISTICS FOR MICROCOMPUTER AVAILABLE FOR 1982-83 TO 1992-93

The ABS Agstats package gives you access to all the data collected in the Agricultural Census, for each individual area (shires, etc) in which farming activity was recorded. Data can be retrieved via a series of very easy to use menu panels. Interrogations can be displayed on screen, sent to the printer, or written to a variety of files, including ASCII comma delimited suitable for input to most contemporary software packages. Data from the 1982-83 to 1992-93 Agricultural Censuses are at present available in this format.

INTERESTED?

Call Peter Hodgson on (09) 323 5180, to purchase Agstats, to arrange a demonstration, or to get additional information.

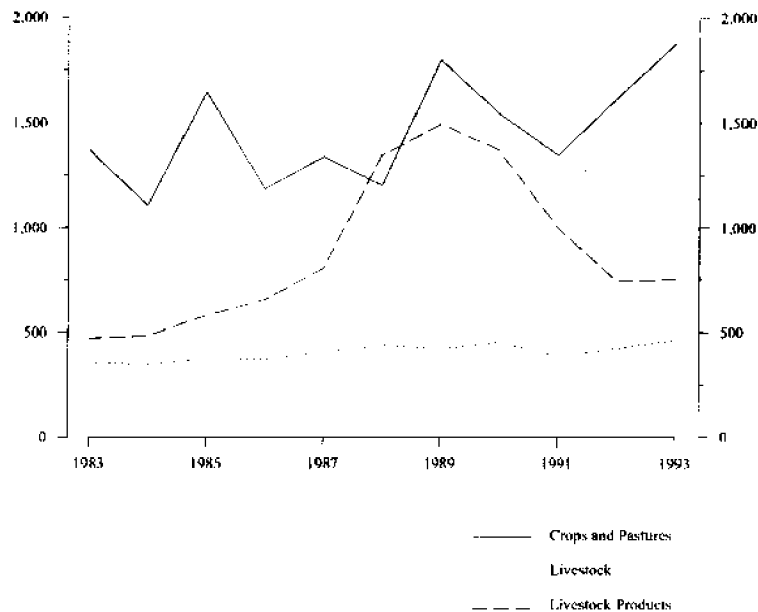
SUMMARY OF FINDINGS

VALUE OF AGRICULTURAL COMMODITIES PRODUCED

The total gross value of agricultural commodities produced in WA in 1992-93 was \$3,114.8 million, an increase of 9.3 per cent over the value shown in 1991-92. Wheat production was a significant contributor to this rise with production increasing by 26.2 per cent over the previous year and an increase in the total gross value to \$1,083.8 million. This represents a 14.0 per cent increase from the previous year.

The gross value of the Agricultural Census reported wool clip fell 0.6 per cent, despite a 10.6 per cent increase in wool receivals by brokers and dealers compared to the previous year. The value of total whole milk production continued to rise, recording an increase of 9.6 per cent over the previous year, reaching a record of \$114.0 million.

DIAGRAM 1
GROSS VALUE OF AGRICULTURAL COMMODITIES
YEAR ENDED 30 JUNE



CROPS AND PASTURES

Wheat plantings increased 13.6 per cent over the previous year, and the yield rose to a record 1.63 tonnes per hectare. The total harvest of 5,978,900 tonnes represented an increase of 26.2 per cent from 1991-92 production and the first time wheat production has been close to 6 million tonnes since the record crop of 1984-85. The area of barley planted increased for the fourth consecutive year to 611,100 hectares. Despite the remaining cereal crops recording decreases in the area planted and production, record yields were recorded from these reduced plantings. The area of pastures also decreased by 11.9 per cent to 7.4 million hectares.

Much of these variations can be attributed to climatic conditions with a large proportion of the State experiencing a late break to the season (mid-June), good winter rains and an abrupt finish. Crops traditionally planted earlier in the year, such as lupins, were adversely affected by the late break while other crops, such as wheat and barley, benefitted greatly from good winter rains and slightly early harvesting. The late break had meant very good sowing conditions and winter storms also prevented rust on the wheat crop from taking a firm hold.

The production of apples fell 2.3 per cent in 1992-93. Total volume of stone fruit production continued to rise in 1992-93, an increase of 101.9 per cent in avocado production being the most outstanding improvement. Most citrus fruits showed increases in production with a 13.5 per cent overall. Banana production continued to increase during 1992-93, with an 11.4 per cent rise in production to 18,094 tonnes due to increased numbers of growers.

LIVESTOCK

The Agricultural Census (as distinct from receivals data from the National Council of Wool Selling Brokers) recorded the wool clip at 180,367,393 kg, a slight rise of 1.9 per cent while the flock size at 32,964,783 head, fell by 3.2 per cent compared to 1991-92. Milk cattle numbers continued to rise to 116,240 whilst the number of meat cattle fell by 0.3 per cent to 1,531,954. The State's pig population in March 1993 stood at 305,251, down 4.0 per cent on the previous year. Goat numbers continued the decline triggered by the collapse in mohair and cashmere prices in 1989.

TABLE 1 – LAND USE

Item	Season					
	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Establishments	13,461	13,410	13,202	12,530	12,906	13,128
Total area of establishments '000 ha	112,631	110,881	110,871	107,810	115,669	110,587
Area of						
Cleared land	15,700	15,582	(c)	(c)	(c)	(c)
Crops (d)	5,082	5,174	5,359	5,354	5,216	5,668
Sown pastures (e)	7,781	7,718	6,796	6,763	8,410	7,401
Lucerne (all purposes)	6	6	7	7	8	8

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000. (b) Excludes establishments with estimated value of operations less than \$22,500. (c) Information not collected after 1989-90. (d) Excludes area of sown pastures cut for hay or harvested for seed. (e) Excluding lucerne.

TABLE 2 – CROPS AND PASTURES IRRIGATED ACCORDING TO METHOD AND SOURCE OF WATER
(hectares)

Item	Season				
	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)	
Area irrigated—					
Pastures	14,583	14,089	12,966	16,364	
Lucerne					
Crops					
Cereals for all purposes	1,618	1,618	1,196	1,495	
Grapevines	1,134	1,080	1,153	1,358	
Other fruit	4,529	4,373	4,484	4,812	
Vegetables for human consumption	6,391	6,377	6,690	6,725	
Other crops	2,905	2,750	2,346	2,731	
Total crops irrigated	16,577	16,198	15,872	17,121	
Total area irrigated	31,160	30,287	28,838	33,485	
Source of water—					
Surface water from irrigation schemes	14,817	14,423	(c)	(c)	
Other surface water—					
From rivers, creeks, etc.	2,130	2,120	(c)	(c)	
From farm dams	7,451	7,196	(c)	(c)	
Underground water supply (e.g. bores, wells, etc.)	6,989	6,781	(c)	(c)	
Town or country reticulated supply	101	95	(c)	(c)	

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Information not collected since 1990-91.

TABLE 3 – ARTIFICIAL FERTILISER AND SOIL CONDITIONERS USED

Item	Season					
	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Artificial fertiliser used—						
Area '000ha	10,074	10,426	9,156	9,129	7,284	7,455
Quantity used '000t	1,244	1,274	1,014	1,010	767	797
Soil conditioners—						
Area treated '000ha	(c)	(c)	163	161	263	152
Quantity used '000t	(c)	(c)	201	199	(c)	154

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected.

TABLE 4 – AREA OF CEREALS: SEASON
(*000 hectares)

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Cereals for grain—						
Barley	383.5	421.4	497.7	497.5	554.5	611.1
Oats	389.1	339.9	324.1	323.4	367.2	331.6
Rye	2.9	2.6	3.9	3.9	4.3	3.4
Triticale	25.9	13.9	15.5	15.5	18.1	16.3
Wheat	3,297.4	3,476.4	3,632.2	3,631.7	3,229.9	3,669.3
Other	1.1	1.1	1.7	1.7	1.5	2.1
Total cereals for grain	4,099.9	4,255.3	4,475.2	4,473.7	4,175.5	4,634.0
Cereals for hay	127.1	121.1	111.2	110.8	122.5	93.4
Cereals for green feed or silage	54.2	62.1	54.4	54.0	45.0	44.5

(a) Excludes establishments with estimated value of operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 5 – PRODUCTION OF CEREALS: SEASON
(*000 tonnes)

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Cereals for grain						
Barley	552.4	628.0	742.2	742.1	899.6	1,060.9
Oats	618.5	529.4	496.8	496.2	614.3	577.9
Rye	2.4	1.6	4.2	4.2	3.4	2.6
Triticale	25.4	10.9	14.6	14.5	16.7	17.8
Wheat	5,225.1	4,800.0	5,449.1	5,448.4	4,736.0	5,978.9
Cereals for hay	467.0	428.6	383.4	381.9	476.3	393.8

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 6 – YIELD OF CEREALS: SEASON
(tonnes/hectare)

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Cereals for grain						
Barley	1.44	1.49	1.49	1.49	1.62	1.74
Oats	1.59	1.56	1.53	1.53	1.67	1.74
Rye	0.82	0.62	1.08	1.08	0.80	0.76
Triticale	0.98	0.78	0.94	0.94	0.92	1.09
Wheat	1.58	1.38	1.50	1.50	1.47	1.63
Cereals for hay	3.67	3.54	3.45	3.45	3.89	4.22

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes agricultural establishments with estimated value of operations less than \$22,500 - see explanatory notes 2 and 3.

DIAGRAM 2
WHEAT FOR GRAIN, AREA AND PRODUCTION
SEASON 1973 TO 1993

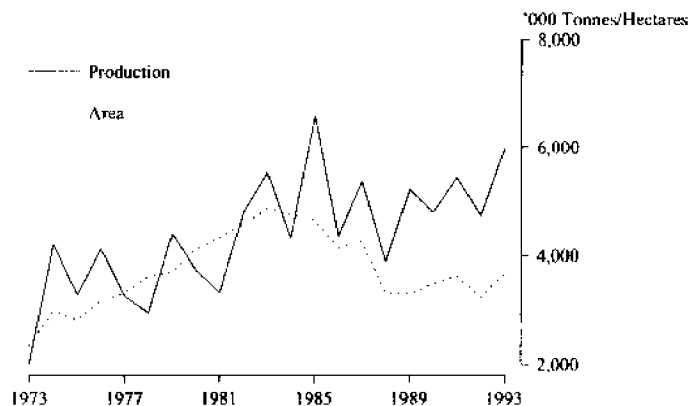


TABLE 7 – AREA OF OTHER CROPS (a): SEASON
(^{000 hectares)}

Item	1988-89 (b)	1989-90 (b)	1990-91 (b)	1990-91 (c)	1991-92 (c)	1992-93 (c)
Other crops for grain						
Field peas	47.1	26.9	23.1	23.1	45.1	32.4
Lupins	719.9	676.3	664.8	664.3	786.6	822.8
Rapeseed (canola)	1.2	0.6	2.0	2.0	16.7	11.6
Other	3.3	1.7	2.2	2.1	2.1	1.7
Total other crops for grain	771.6	705.6	692.1	691.5	850.6	868.5
Other crops for hay	2.0	1.1	0.7	0.7	0.4	0.3
Other crops for green feed and silage	8.8	9.6	5.3	5.2	2.5	3.8

(a) Excluding cereals. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 8 – PRODUCTION OF OTHER CROPS (a): SEASON
(^{000 tonnes)}

Item	1988-89 (b)	1989-90 (b)	1990-91 (b)	1990-91 (c)	1991-92 (c)	1992-93 (c)
Other crops for grain—						
Field peas	41.4	17.6	16.5	16.5	27.2	22.2
Lupins	790.5	619.0	624.2	624.0	873.8	826.5
Rapeseed (canola)	0.8	0.6	1.9	1.9	15.4	11.5
Other crops for hay	4.2	1.9	2.2	2.2	1.8	0.9

(a) Excluding cereals. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 9 – YIELD OF OTHER CROPS (a): SEASON
(tonnes/hectare)

Item	1988-89 (b)	1989-90 (b)	1990-91 (b)	1990-91 (c)	1991-92 (c)	1992-93 (c)
Other crops for grain—						
Field peas	0.88	0.65	0.71	0.71	0.60	0.68
Lupins	1.10	0.92	0.94	0.94	1.11	1.00
Rapeseed (canola)	0.67	1.05	0.93	0.93	0.92	0.99
Other crops for hay	2.10	1.74	3.20	3.18	4.36	2.97

(a) Excluding cereals. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of operations less than \$22,500 - see explanatory notes 2 and 3.

DIAGRAM 3
LUPINS FOR GRAIN, AREA AND PRODUCTION
SEASON 1973 TO 1993

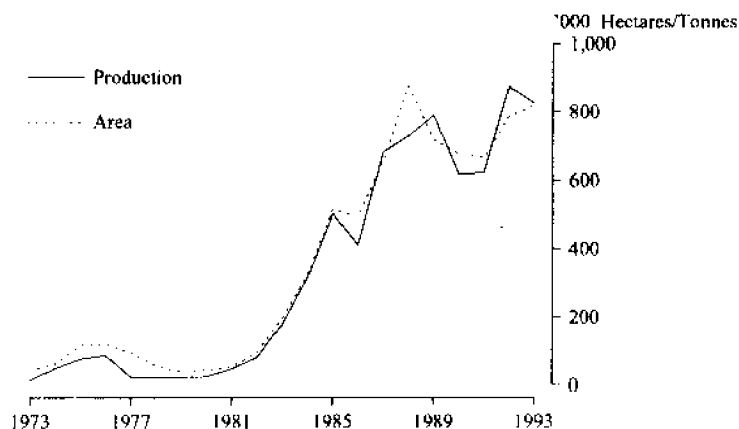


TABLE 10 – AREA OF PASTURES: SEASON
(’000 hectares)

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Total area of pastures (c)	7,787.6	7,724.1	6,803.2	6,769.8	8,410.0	7,409.1
Pastures cropped						
Cut for hay	119.2	107.1	110.8	107.9	116.3	104.4
Cut for green feed or silage	9.5	9.4	8.5	8.3	11.8	11.6
Harvested for seed	39.0	21.4	15.7	15.7	10.3	13.2
Total pastures cropped	167.7	137.9	135.0	131.9	138.4	129.2

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Excludes native pastures and pure lucerne.

TABLE 11 – PRODUCTION FROM PASTURES: SEASON

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Pastures cut for hay ‘000 tonnes	401.8	380.2	399.7	389.8	422.8	368.3
Pastures harvested for seed tonnes	7,748.5	3,807.4	2,704.7	2,703.6	1,828.6	2,840.9

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 12 – YIELD FROM PASTURES: SEASON
(tonnes/hectare)

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Pastures cut for hay	3.37	3.55	3.61	3.61	3.64	3.53
Pastures harvested for seed	0.20	0.18	0.17	0.17	0.18	0.21

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 13 – AREA OF CULTIVATED TURF, CUT FLOWERS AND NURSERIES: SEASON
(hectares)

Item	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Area used for						
Cultivated turf	192	104	128	128	124	187
Cut flower activity	1,781	1,342	1,620	1,596	1,417	1,269
Other nursery activity		425				
Total	1,972	1,871	1,748	1,724	1,541	1,987
Covered areas (c) -						
Shadehouses						
for cut flowers	n.a.	2	n.a.	n.a.	n.a.	n.a.
for other		24				
Glasshouses -						
for cut flowers	n.a.	18	n.a.	n.a.	n.a.	n.a.
for other		20				

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Included in 'Area used for -' above.

TABLE 14 – AREA OF VEGETABLES FOR HUMAN CONSUMPTION : SEASON
(hectares)

Item	1988-89		1989-90		1990-91		1991-92		1992-93	
	(a)	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)	(b)
Beans - French and runner	197	175	151	150	89	144				
Broccoli	168	164	234	234	210	292				
Brussels sprouts	8	4	3	3	3	5				
Cabbages	213	198	187	186	222	158				
Capsicums, chillies, peppers	112	105	119	118	120	124				
Carrots	852	790	685	682	706	715				
Cauliflowers	754	724	802	801	773	899				
Celery	107	131	123	123	80	77				
Chinese cabbage	97	99	127	127	108	133				
Cucumbers	107	106	119	118	134	129				
Lettuce	437	403	420	417	389	377				
Mushrooms	5	7	9	9	12	12				
Onions - white and brown	412	471	492	490	436	321				
Parsnips	20	21	16	15	16	20				
Peas, green—										
Processing	875	1,427	1,598	1,571	1,048	1,034				
Fresh market (sold in pod)	8	6	4	3	8	7				
Potatoes	2,188	2,497	2,877	2,877	2,614	2,640				
Pumpkins	417	504	675	670	612	610				
Rock melons	315	351	417	415	612	719				
Silverbeet and spinach	11	12	11	10	12	17				
Sweet corn	98	90	84	84	106	109				
Tomatoes	246	250	238	236	219	247				
Turnips	12	9	12	12	10	15				
Water melons	329	393	478	478	522	555				
Zucchini	27	32	37	37	51	54				
Other	125	160	185	183	134	182				
Total	8,141	9,127	10,102	10,049	9,248	9,594				

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3.

TABLE 15 – PRODUCTION OF VEGETABLES FOR HUMAN CONSUMPTION
(tonnes)

Item	Season					
	1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Beans - French and runner	1,381	1,513	1,370	1,360	723	925
Broccoli	2,324	2,368	4,779	4,778	2,106	2,994
Brussels sprouts	42	38	40	40	38	63
Cabbages	10,862	9,880	9,112	9,008	9,960	7,098
Capsicums, chillies, peppers	1,810	1,713	2,090	2,085	2,102	2,125
Carrots	30,988	30,942	29,925	29,841	31,040	36,439
Cauliflowers	17,866	17,438	17,156	17,152	15,204	14,656
Celery	6,917	7,901	8,920	8,920	5,976	5,106
Chinese cabbage	3,314	2,788	4,588	4,588	4,180	4,156
Cucumbers	1,680	1,849	1,815	1,799	1,952	1,782
Lettuce	14,505	13,898	14,414	14,354	17,971	17,451
Mushrooms	520	776	959	959	1,148	1,059
Onions - white and brown	21,622	25,399	27,584	27,524	22,299	18,936
Parsnips	376	309	264	255	236	342
Peas, green—						
Processing (shelled weight)	2,226	3,470	3,582	3,582	1,940	1,685
Fresh market (sold in pod)	20	17	11	11	18	15
Potatoes	78,464	98,705	110,095	110,095	97,817	108,171
Pumpkins	6,786	8,013	9,719	9,657	10,556	11,107
Rock melons	5,769	5,820	6,596	6,581	9,645	10,340
Silverbeet and spinach	328	294	273	272	373	414
Sweet corn	808	909	580	578	663	1,038
Tomatoes	7,910	7,070	8,243	8,178	7,587	8,385
Turnips	280	129	246	246	178	336
Water melons	7,223	9,230	9,206	9,202	11,529	11,753
Zucchini	321	383	434	432	605	568

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3.

**TABLE 16 – AREA OF FRUIT
(hectares)**

Item	At 31 March					
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	1993 (b)
Orchard fruit—						
Citrus	950	961	(c)	(c)	(c)	(c)
Apples	2,371	2,307	(c)	(c)	(c)	(c)
Pears and other pome	490	471	(c)	(c)	(c)	(c)
Stone and other	1,228	1,251	(c)	(c)	(c)	(c)
Nuts	248	161	(c)	(c)	(c)	(c)
<i>Total orchard fruit</i>	<i>5,287</i>	<i>5,150</i>	<i>5,114</i>	<i>4,801</i>	<i>5,110</i>	<i>5,687</i>
Grapevines	1,930	2,039	2,032	1,947	2,199	2,515
Tropical and other fruit—						
Bananas	444	432	450	447	498	566
Kiwi fruit (Chinese gooseberries)	27	30	29	28	26	32
Strawberries	42	52	52	52	75	145
Other	13	15	8	8	58	40
<i>Total tropical and other fruit</i>	<i>524</i>	<i>529</i>	<i>540</i>	<i>536</i>	<i>657</i>	<i>783</i>
Total area of fruit	7,742	7,718	7,685	7,284	7,966	8,985

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected separately after 1990.

TABLE 17 – VINEYARDS: AREA AND PRODUCTION

Item		Season					
		1988-89 (a)	1989-90 (a)	1990-91 (a)	1990-91 (b)	1991-92 (b)	1992-93 (b)
Area of vines (c)—							
Bearing	hectares	1,684	1,701	1,763	1,688	1,919	2,261
Not yet bearing	"	246	338	269	260	280	254
Total area of vines	"	1,930	2,039	2,032	1,947	2,199	2,515
Grapes produced—							
For winemaking and distillation	tonnes	7,645	8,911	7,809	7,646	9,763	10,163
For drying (d)	"	1,422	1,059	1,111	1,085	839	1,347
For table or other uses	"	1,653	1,858	2,144	2,088	1,965	2,234

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) At 31 March. (d) Expressed in terms of 'fresh weight'.

TABLE 18 – AREA AND PRODUCTION OF TROPICAL AND OTHER FRUIT: SEASON

Item	1988-89	1989-90	1990-91	1990-91	1991-92	1992-93
	(a)	(a)	(a)	(b)	(b)	(b)
BEARING AREA (hectares)						
Tropical—						
Bananas	346	366	359	357	408	438
Pawpaws	3	1	(c)	(c)	(c)	7
Other—						
Kiwi fruit (Chinese gooseberries)	16	19	19	18	20	31
Passionfruit	1	2	5	4	3	7
Strawberries	34	48	48	48	72	102
Other	3	5	—	—	12	6
TOTAL AREA BEARING AND NOT YET BEARING (hectares)						
Tropical—						
Bananas	444	432	450	447	498	566
Pawpaws	5	4	(c)	(c)	(c)	10
Other—						
Kiwi fruit (Chinese gooseberries)	27	30	29	29	26	32
Passionfruit	2	6	8	8	3	11
Strawberries	42	52	52	52	75	145
Other	5	7	—	—	58	19
PRODUCTION (tonnes)						
Tropical—						
Bananas	9,907.8	11,268.0	12,516.2	12,505.7	16,235.6	18,094.4
Pawpaws	15.3	13.3	(c)	(c)	(c)	152
Other—						
Kiwi fruit (Chinese gooseberries)	119.6	194.1	169.8	168.5	192.9	205.4
Passionfruit	10.8	8.4	4.8	4.5	3.3	11.9
Strawberries	942.4	949.6	1,071.8	1,071.8	2,257.1	1,716.5

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected in 1990-91 and 1991-92.

TABLE 19 – NUMBER OF ORCHARD TREES AGED SIX YEARS AND OVER
(*000)

Item	<i>At 31 March</i>					1993 (b)
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	
Citrus—						
Oranges—						
Navel	35.0	31.7	37.6	32.5	36.3	58.6
Valencia	70.5	70.8	68.1	61.8	65.6	92.9
Total oranges	105.5	102.4	105.7	94.3	101.9	151.5
Lemons and limes	13.4	14.7	15.3	13.4	14.2	14.0
Mandarins	24.0	30.0	36.2	31.6	33.6	36.0
Grapefruit	5.8	7.5	7.1	6.8	9.1	7.9
Pome—						
Apples	498.4	471.5	439.5	430.7	416.2	398.2
Pears (including Nashis)	79.2	84.9	91.1	88.4	92.8	98.1
Stone						
Apricots	11.3	12.9	12.1	10.9	13.6	14.0
Avocados	7.1	9.6	9.5	9.5	25.1	29.6
Cherries	3.7	5.9	6.8	6.2	7.4	10.5
Mangoes	3.8	7.0	7.0	6.7	8.9	13.6
Nectarines	31.9	39.0	52.7	51.2	63.9	67.4
Peaches						
Clingstone	33.6	33.6	(c)	(c)	(c)	(c)
Other	20.2	25.7	(c)	(c)	(c)	(c)
Total peaches	53.8	59.3	67.0	63.5	63.6	68.3
Plums and prunes	62.4	65.3	78.1	76.0	73.9	91.9

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected separately after 1990-91.

TABLE 20 – TOTAL NUMBER OF ORCHARD TREES
(’000)

Item	At 31 March					
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	1993 (b)
Citrus—						
Oranges						
Navel	70.2	62.8	73.4	68.0	76.4	83.3
Valencia	127.6	124.4	112.3	105.5	106.8	106.2
Total oranges	197.8	187.2	185.7	173.6	183.2	189.6
Lemons and limes	17.8	17.9	19.9	17.8	17.7	19.0
Mandarins	43.4	48.4	58.7	52.4	55.1	66.5
Grapefruit	12.0	14.8	13.5	13.0	15.6	14.1
Pome—						
Apples	667.4	686.6	738.4	726.2	778.1	769.8
Pears (including Nashis)	143.2	168.6	183.8	180.6	175.3	192.1
Stone—						
Apricots	20.5	18.6	16.2	14.8	18.5	21.0
Avocados	30.1	31.3	31.6	31.5	38.8	46.5
Cherries	12.9	17.1	21.4	20.6	26.0	30.6
Mangoes	15.6	18.7	19.3	18.5	25.1	37.8
Nectarines	98.7	116.2	117.6	114.2	147.3	168.4
Peaches—						
Clingstone	58.2	59.0	(c)	(c)	(c)	(c)
Other	54.2	55.1	(c)	(c)	(c)	(c)
Total peaches	112.3	114.1	122.9	116.7	125.6	150.4
Plums and prunes	138.0	145.6	196.8	193.2	190.3	217.6

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected separately after 1990-91.

TABLE 21 – PRODUCTION OF ORCHARD FRUIT: SEASON
(tonnes)

Item	1988-89	1989-90	1990-91	1990-91	1991-92	1992-93
	(a)	(a)	(a)	(b)	(b)	(b)
Citrus						
Oranges—						
Navel	1,558	1,401	1,639	1,540	1,551	1,841
Valencia	3,530	3,102	3,729	3,588	3,754	4,677
Total oranges	5,087	4,503	5,368	5,128	5,304	6,519
Lemons and limes	1,322	1,105	1,126	1,106	1,125	1,191
Mandarins	867	1,004	1,279	1,158	1,315	1,348
Grapefruit	466	723	626	623	763	597
Pome—						
Apples	46,695	44,835	36,348	36,156	37,418	36,551
Pears (includes Nashis)	6,974	7,192	7,308	7,254	8,399	8,311
Stone						
Apricots	386	417	437	406	420	481
Avocados	251	308	330	330	460	929
Cherries	33	55	74	67	73	130
Mangoes	225	342	281	277	568	566
Nectarines	1,112	1,425	1,768	1,732	2,333	2,225
Peaches—						
Clingstone	1,136	1,109	(c)	(c)	(c)	(c)
Other	684	1,048	(c)	(c)	(c)	(c)
Total peaches	1,819	2,157	2,440	2,355	2,507	2,145
Plums and prunes	2,072	2,712	3,106	3,051	3,494	3,563

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected separately after 1990-91.

TABLE 22 – LIVESTOCK NUMBERS AT 31 MARCH

Item		1989 (a)	1990 (a)	1991 (a)	1991 (bi)	1992 (h)	1993 (bi)
Meat cattle	'000	1,590.7	1,561.9	1,475.0	1,457.3	1,536.3	1,532.0
Milk cattle(c)	"	109.8	110.2	108.8	108.7	112.8	116.2
Sheep	"	37,090.1	38,422.1	36,465.3	36,390.0	34,060.5	32,964.8
Pigs	"	384.8	272.5	270.7	270.4	317.8	305.3
Poultry	"	5,275.4	5,422.5	5,370.0	5,365.6	5,140.8	6,496.7

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Excludes house cows.

TABLE 23 – LIVESTOCK PRODUCTS SUMMARY, YEAR ENDED 30 JUNE

Item		1988	1989	1990	1991	1992	1993p
Livestock slaughtered for human consumption--							
Cattle	'000	481.7	446.8	494.6	440.4	423.8	452.3
Calves	"	12.7	11.4	11.8	8.9	7.2	4.6
Sheep	"	3,167.4	2,347.8	3,814.6	4,187.7	3,016.7	3,752.3
Lambs	"	1,141.5	997.6	1,469.5	1,581.7	1,238.3	1,480.8
Pigs	"	507.6	502.9	460.9	466.1	526.2	567.6
Poultry (a)	"	28,197.4	27,462.7	29,680.4	28,177.6	29,860.4	31,314.1
Gross value of livestock slaughtering and other disposals							
Cattle and calves	\$'000	176,002.7	190,017.5	225,013.3	180,309.4	179,628.1	186,664.5
Sheep and lambs	"	159,176.9	116,260.5	105,229.5	91,541.0	115,485.0	147,207.9
Pigs	"	51,694.1	62,923.6	63,292.8	58,870.0	61,922.8	64,148.9
Poultry	"	52,722.0	55,287.7	60,345.4	57,724.0	61,028.4	67,977.0
Gross value of livestock products--							
Wool	"	1,252,673.6	1,395,116.4	1,253,636.9	874,363.0	608,237.3	604,818.3
Whole milk	"	62,325.5	66,685.8	80,320.9	93,875.0	104,067.3	114,044.0
Eggs	"	26,873.7	29,650.9	32,689.9	30,590.9	30,304.6	30,369.9
Honey and beeswax	"	4,288.7	3,350.9	3,149.4	2,516.3	2,778.0	2,567.6
Production of livestock products--							
Wool (b) --							
Sheep and lambs shorn	'000	40,582.7	42,778.9	46,582.9	43,165.8	39,107.2	43,490.0
Shorn wool	'000 kg	184,222.3	200,516.2	231,731.7	214,567.1	182,026.0	201,200.0
Average weight of shorn wool	kg	4.54	4.69	4.97	4.97	4.65	4.63
Other wool produced	'000 kg	4,304.8	2,656.9	4,347.7	7,684.5	3,894.0	4,340.0
Total wool produced	'000 kg	188,527.1	203,173.1	236,079.5	222,251.6	185,920.0	205,540.0
Meat (c) --							
Beef and veal	tonnes	101,522.5	94,312.2	106,542.4	95,637.0	91,804.1	100,499.2
Mutton and lamb	"	75,216.5	61,109.4	95,651.0	107,880.0	79,970.1	100,316.5
Pigmeat	"	29,392.9	29,228.2	26,882.7	26,992.7	30,966.8	33,562.3
Poultry meat (a)	"	34,449.4	33,622.6	36,950.3	35,299.4	37,525.9	39,420.9
Eggs (d)	'000 dozen	17,596.6	17,859.3	18,768.1	18,578.0	18,059.0	18,845.0
Whole milk (e)	mil. l.	251	245	266	283	302	324
Overseas exports							
Live sheep and lambs	'000	2,770.8	1,937.8	2,441.1	2,795.9	3,192.8	3,620.3
Wool (f)	'000 t	162.4	153.5	123.8	100.4	121.9	154.0

(a) Excludes geese and gamebirds. (b) See Table 26 for more detailed data and footnotes. (c) Dressed carcass weight, excluding offal. (d) Source: Western Australian Egg Marketing Board. (e) Includes estimated equivalent of whole milk used in the production of butter, cheese, condensery and other products. Source: Australian Dairy Corporation. (f) Greasy and degreased wool.

TABLE 24 - CATTLE NUMBERS(a)
(*000)

Item	At 31 March					
	1989 (b)	1990 (b)	1991 (b)	1991 (c)	1992 (c)	1993 (c)
Cattle						
Milk...						
Bulls one year and over used or intended for service	1.0	0.8	(d)1.1	1.1	1.0	1.0
Bull calves under one year intended for service	0.3	0.3				
Cows in milk and dry	63.3	64.0	65.3	65.3	68.1	69.8
Heifers (one year and over)	25.9	25.2	(d)42.4	42.4	43.6	45.4
Heifer calves (under one year)	19.3	19.9				
<i>Total milk cattle</i>	<i>109.8</i>	<i>110.2</i>	<i>108.8</i>	<i>108.7</i>	<i>112.8</i>	<i>116.2</i>
Meat						
Bulls one year and over used or intended for service	43.0	41.1	(d)49.4	48.8	47.1	44.4
Bull calves under one year intended for service	11.8	12.1				
Cows and heifers (one to two years)	224.2	198.6	(d)756.5	747.7	781.7	844.4
Cows and heifers (over two years)	649.7	649.9				
Heifer calves (under one year)	165.0	173.3	(d)355.6	351.0	373.8	364.7
Other calves (under one year)	195.7	203.6				
Other (one year and over)	301.4	283.3	313.6	309.8	333.8	278.4
<i>Total meat cattle</i>	<i>1,590.7</i>	<i>1,561.9</i>	<i>1,475.0</i>	<i>1,457.3</i>	<i>1,536.3</i>	<i>1,532.0</i>
Total all cattle	1,700.5	1,672.1	1,583.8	1,566.0	1,649.1	1,648.2

(a) Excludes house cows. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (d) Not collected separately after 1990-91.

DIAGRAM 4.
MEAT CATTLE NUMBERS,
AT 31 MARCH 1973 TO 1993

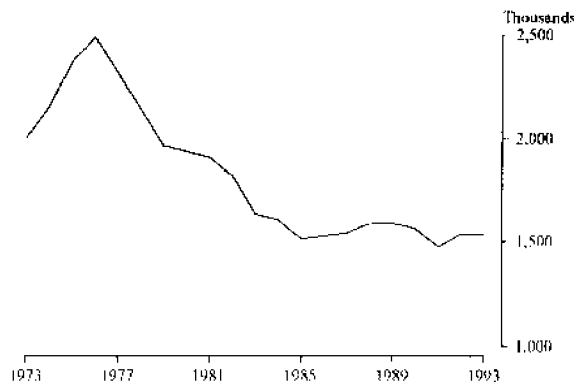


DIAGRAM 5.
MILK CATTLE NUMBERS,
AT 31 MARCH

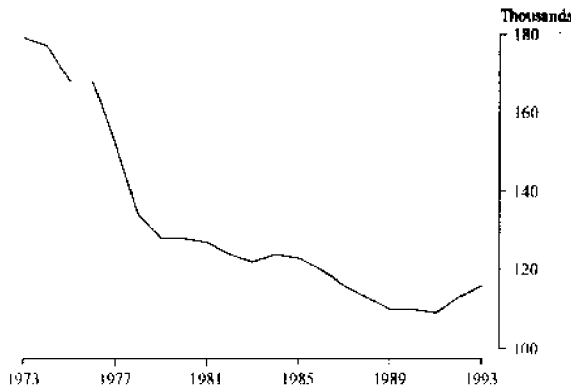


TABLE 25 – SHEEP NUMBERS
(’000)

Item	At 31 March					
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	1993 (b)
Sheep						
Rams (one year and over)	426.3	418.7	383.0	382.0	359.4	349.6
Breeding ewes (one year and over)	13,949.2	13,103.7	} (c)13,649.6	13,623.9	14,376.0	13,837.9
Maiden ewes (one year and over)	2,935.7	2,883.0				
Other ewes (one year and over)	1,397.8	1,911.7				
Wethers (one year and over)	9,722.7	10,549.8	11,229.3	11,199.9	10,882.3	9,760.7
Lambs and hoggets (under one year)	8,658.5	9,555.2	7,985.9	7,978.7	6,173.4	7,263.1
Total sheep	37,090.1	38,422.1	36,465.3	36,390.0	34,060.5	32,964.8

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 — see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 — see explanatory notes 2 and 3. (c) Not collected separately from 1991.

DIAGRAM 6
TOTAL SHEEP NUMBERS
AT 31 MARCH 1973 TO 1993

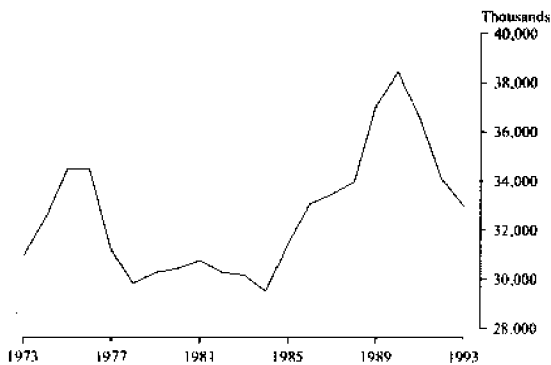


DIAGRAM 7
LAMBING AND INTENDED MATINGS
SEASON 1974 TO 1994

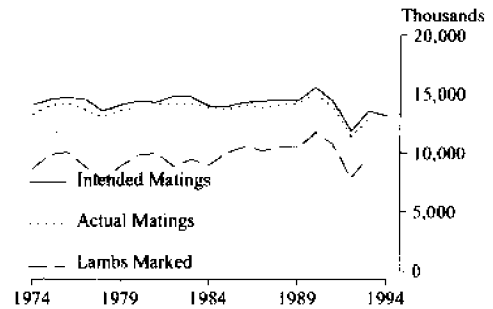


DIAGRAM 8
SHEEP AND LAMBS SHORN,
YEAR ENDED 30 JUNE 1973 TO 1993

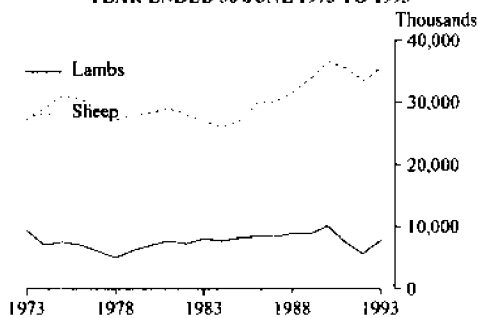


DIAGRAM 9.
WOOL PRODUCTION,
YEAR ENDED 30 JUNE 1973 TO 1993



TABLE 26 – SHEARING AND PRODUCTION (a)

		Year ended 30 June					
		1988	1989	1990	1991	1992	1993
Sheep—							
Number shorn	'000	31,670	33,899	36,471	35,530	33,459	35,620
Shorn wool	'000 kg	170,111	185,939	214,838	201,886	173,179	189,160
Average clip	kg	5.37	5.49	5.89	5.68	5.18	5.31
Lambs -							
Number shorn	'000	8,912	8,880	10,111	7,636	5,648	7,870
Shorn wool	'000 kg	14,111	14,578	16,893	12,681	8,846	12,040
Average clip	kg	1.58	1.64	1.67	1.66	1.57	1.53
Total sheep and lambs—							
Number shorn	'000	40,582	42,779	46,583	43,165	39,107	43,490
Shorn wool	'000 kg	184,222	200,516	231,732	214,567	182,026	201,200
Average clip	kg	4.54	4.69	4.97	4.97	4.65	4.63
Other wool							
produced (b)	'000 kg	4,305	2,657	4,348	7,684	3,894	4,340
Total production	'000 kg	188,527	203,173	236,079	222,252	185,920	205,540

(a) Based on the Industry's wool receivals collections conducted by the National Council of Wool Selling Brokers of Australia and the ABS. (b) Comprises dead and feltinged wool and wool exported on skins.

TABLE 27 – LAMBING NUMBERS

Item	Year ended 31 March					
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	1993 (b)
('000)						
Ewes mated or intended to be mated (c)	14,447	15,547	14,479	14,452	11,822	13,572
Ewes actually mated (c)	14,159	15,028	13,870	13,844	11,376	12,846
Lambs marked	10,453	11,719	10,780	10,761	7,839	9,652
PER CENT						
Percentage of—						
Lambs marked to actual matings	74	78	78	78	69	75
Actual matings to intended matings	98	97	96	96	96	95

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Refers to mating for lambing during the year.

TABLE 28 – NUMBER OF INTENDED EWE MATINGS (a)
('000)

Item	For lambing during year ended 31 March					
	1990 (b)	1991 (b)	1992 (b)	1992 (c)	1993 (c)	1994 (c)
'000						
Ewes intended to be mated to—						
Merino rams	13,905.8	12,959.0	9,878.4	9,869.2	11,754.7	11,150.0
Corriedale and Polwarth rams	203.5	190.1	300.0	298.3	(d)1,817.2	1,988.1
Shortwool rams	1,194.7	1,133.9	1,414.7	1,406.4		
Longwool rams	233.3	188.7	216.3	215.9		
Carpetwool rams	9.2	7.0	12.4	11.8		
Total intended matings	15,546.6	14,478.7	11,821.9	11,801.5	13,571.9	13,138.1
PER CENT						
Percentage of total ewes mated or intended to be mated to—						
Merino rams	89.4	89.5	83.6	83.6	86.6	84.9
Corriedale and Polwarth rams	1.3	1.3	2.5	2.5	(d)13.4	15.1
Shortwool rams	7.7	7.8	12.0	11.9		
Longwool rams	1.5	1.3	1.8	1.8		
Carpetwool rams	0.1	0.1	0.1	0.1		

(a) Represents reported intended matings for lambing in seasons shown. Intended matings for lambing during the season 1993-94 are presented as a possible basis for forecasting the number of lambs to be marked for that season. In making such estimates account should be taken of past relationships between intended and actual matings. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (d) Not collected separately after 1991-92.

TABLE 29 – PIG NUMBERS
(*000)

Item	At 31 March					
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	1993 (b)
Boars	3.0	2.7	3.1 (c)34.7	3.0	2.9	2.8
Brooding sows	30.9	30.5		34.6	38.2	36.4
Gilts intended for breeding	5.3	5.6		232.7	276.6	266.0
Other pigs	245.6	233.8	233.0	270.4	317.8	305.3
Total pigs	284.8	272.5	270.7			

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (c) Not collected separately since 1990

TABLE 30 – POULTRY NUMBERS (a)
(*000)

Item	At 31 March					
	1989 (b)	1990 (b)	1991 (b)	1991 (c)	1992 (c)	1993 (c)
Chickens -						
Hens and pullets for egg production	1,116.5	1,104.9	1,191.2	1,187.0	1,036.2	1,101.0
Meat strain chickens (broilers)	3,667.3	3,886.5	3,734.8	3,734.7	3,646.4	4,924.4
Breeding stock	426.4	406.3	421.6	421.6	416.3	435.3
<i>Total chickens</i>	<i>5,210.2</i>	<i>5,397.7</i>	<i>5,347.5</i>	<i>5,343.2</i>	<i>5,098.9</i>	<i>6,460.7</i>
Ducks	2.2	3.2	3.5	3.5	4.6	2.4
Turkeys	29.5	13.3	7.7	7.7	24.8	24.0
Other poultry (d)	33.5	8.3	11.1	11.1	12.7	9.6
Total poultry	5,275.4	5,422.5	5,370.0	5,365.6	5,140.8	6,496.7

(a) Excludes details of poultry kept for non-commercial purposes on agricultural establishments. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 2 and 3. (d) Includes geese and gamebirds, etc.

TABLE 31 – BEEKEEPERS (a), BEEHIVES AND PRODUCTION OF HONEY AND BEESWAX

Item		Year ended 30 June					
		1989 (b)	1990 (b)	1991 (b)	1991 (c)	1992 (c)	1993 (c)
Beekeepers (d)	number	66	66	58	55	60	50
Beehives (d)							
Productive (e)	'000	26.4	26.9	20.6	20.1	21.8	19.7
Unproductive (f)	"	7.0	6.8	5.9	5.8	5.7	4.9
Total beehives	"	33.3	33.7	26.5	26.0	27.5	24.6
Production -							
Honey	tonnes	2,181.7	2,330.3	1,514.2	1,490.2	2,263.7	2,039.1
Beeswax	"	39.1	41.3	29.0	28.4	38.2	37.6

(a) Beekeepers with 40 or more hives. (b) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (c) Excludes establishments with estimated value of agricultural operations less than \$22,500 - see explanatory notes 3 and 4. (d) Number at 30 June. (e) Hives from which honey was taken. (f) Includes hives kept for production but from which no honey was taken, nuclei, pollination hives, etc.

TABLE 32 – OTHER LIVESTOCK NUMBERS
(*000)

Item	At 31 March					
	1989 (a)	1990 (a)	1991 (a)	1991 (b)	1992 (b)	1993 (b)
Deer	3.0	5.1	7.5	7.4	8.6	9.7
Goats---						
Fibre	81.3	57.6	47.2	44.3	39.8	27.9
Milk	0.5	0.4	} (c)1.0	0.8	1.7	1.3
Other (d)	4.2	1.1				
Horses -						
Stud	7.0	6.6	5.9	5.8	5.7	5.6
Other (d)	16.5	14.0	13.1	12.6	11.7	12.8

(a) Excludes establishments with estimated value of agricultural operations less than \$20,000 - see explanatory notes 2 and 3. (b) Excludes establishments with estimated value of operations less than \$22,500 - see explanatory notes 2 and 3. (c) Separate figures not available. (d) Excludes unmanaged feral stock.

TABLE 33 – LIVESTOCK SLAUGHTERED FOR HUMAN CONSUMPTION (a)
(*000)

Item	Year ended 30 June					
	1988	1989	1990	1991	1992	1993
Cattle	481.7	446.8	494.6	440.4	423.8	452.3
Calves	12.7	11.4	11.8	8.9	7.2	4.6
Total cattle and calves	494.3	458.1	506.5	449.3	431.0	457.0
Sheep	3,167.4	2,347.8	3,814.6	4,187.7	3,016.7	3,752.3
Lambs	1,141.5	997.6	1,469.5	1,581.7	1,238.3	1,480.8
Total sheep and lambs	4,308.9	3,345.5	5,284.1	5,769.5	4,255.1	5,233.1
Pigs	507.6	502.9	460.9	466.1	526.2	567.6
Meat chickens (b)	27,563.5	26,687.3	28,932.7	27,337.1	29,104.4	30,575.8
All other poultry (c)	633.9	775.4	747.7	840.5	756.1	738.3
Total poultry	28,197.4	27,462.7	29,680.4	28,177.6	29,860.4	31,314.1

(a) Excludes livestock slaughtered for boiling down and livestock slaughtered for human consumption but subsequently condemned. (b) Includes cockerels. (c) Comprises ducks, turkeys and other chickens such as culled hens, stags, etc; excludes geese and gamebirds.

TABLE 34 – MEAT PRODUCTION (a)
(tonnes)

Item	Year ended 30 June					
	1988	1989	1990	1991	1992	1993
Beef	100,700	93,558	105,749	95,070	91,326	100,196
Veal	822	754	793	567	478	303
Total beef and veal	101,523	94,312	106,542	95,637	91,804	100,499
Mutton	58,083	45,679	73,335	83,784	60,610	76,921
Lamb	17,133	15,430	22,316	24,096	19,360	23,395
Total mutton and lamb	75,216	61,109	95,651	107,880	79,970	100,316
Pigmeat	29,393	29,228	26,883	26,993	30,967	33,562
Poultry meat dressed weight---						
Meat chickens (b)	32,948	31,688	35,008	33,260	35,945	37,740
All other poultry (c)	1,501	1,935	1,942	2,040	1,581	1,680
Total poultry	34,449	33,623	36,950	35,299	37,526	39,421

(a) Dressed carcass weight. Excludes offal. (b) Includes cockerels. (c) Comprises ducks, turkeys and other chickens such as culled hens, stags, etc; excludes geese and gamebirds.

**TABLE 35 – GROSS VALUES OF CROPS AND CROPPED PASTURES
(\$'000)**

Item	Season					
	1987-88	1988-89	1989-90	1990-91	1991-92r	1992-93p
Cereals for grain—						
Barley	82,907	88,691	108,740	104,571	133,146	168,319
Grain sorghum	65	167	132	345	83	308
Maize	804	723	915	1,123	1,146	2,724
Oats	52,167	83,697	50,714	41,973	60,864	72,908
Rye	267	341	284	699	560	426
Triticale	2,880	3,390	1,548	1,777	2,171	2,344
Wheat	649,969	1,122,328	951,537	744,934	950,333	1,083,842
Other	1	3	44	20	83	47
<i>Total cereals for grain</i>	<i>789,060</i>	<i>1,299,348</i>	<i>1,113,913</i>	<i>895,443</i>	<i>1,148,386</i>	<i>1,330,918</i>
Legumes for grain—						
Field peas	5,842	9,676	3,888	3,521	6,139	5,255
Lupins	126,950	156,423	104,032	99,639	148,166	162,899
Other	426	597	875	—	127	286
<i>Total legumes mainly for grain</i>	<i>133,218</i>	<i>166,695</i>	<i>108,795</i>	<i>103,161</i>	<i>154,432</i>	<i>168,440</i>
<i>Crops for hay</i>	<i>36,169</i>	<i>45,346</i>	<i>51,657</i>	<i>38,566</i>	<i>47,687</i>	<i>41,090</i>
Vegetables—						
Carrots	11,707	15,409	12,814	12,919	15,145	20,049
Cauliflower	9,727	12,288	13,530	10,684	14,355	15,472
Celery	5,999	3,065	3,744	5,466	3,726	3,413
Lettuce	7,052	7,206	5,463	6,253	8,346	8,293
Onions - Brown and White	6,564	7,922	7,594	8,687	6,655	5,675
Potatoes	24,124	31,070	31,865	37,496	33,170	34,635
Tomatoes	9,802	9,090	7,448	7,488	8,426	8,933
Other	22,199	27,022	27,248	37,948	41,315	43,456
<i>Total vegetables</i>	<i>97,174</i>	<i>113,072</i>	<i>109,706</i>	<i>126,942</i>	<i>131,137</i>	<i>139,926</i>
Fruit—						
Apples	21,329	24,041	18,671	16,189	19,497	17,756
Bananas	10,282	9,426	12,684	19,826	24,489	28,951
Grapes	11,395	12,838	10,926	11,209	11,919	14,205
Oranges	2,084	2,396	1,616	1,666	1,830	1,882
Peaches	3,192	2,724	2,200	3,026	4,070	3,881
Pears	4,409	3,797	3,015	3,706	4,997	5,596
Plums and prunes	3,573	2,588	3,276	3,512	4,391	5,090
Other fruit (inc. nuts)	8,942	10,431	10,255	12,115	20,365	19,910
<i>Total fruit</i>	<i>65,206</i>	<i>68,241</i>	<i>62,643</i>	<i>71,250</i>	<i>91,558</i>	<i>97,271</i>
All other crops—						
Nurseries	41,603	50,751	46,969	53,220	50,589	62,359
Rapeseed (canola)	427	259	201	577	4,716	3,936
Other	1,026	1,683	3,518	5,047	5,806	3,996
<i>Total all other crops</i>	<i>43,056</i>	<i>52,693</i>	<i>50,688</i>	<i>58,844</i>	<i>61,111</i>	<i>70,291</i>
Pastures and grasses (a)—						
Cut for hay	31,186	39,435	40,757	43,362	45,490	39,853
Harvested for seed	8,133	14,901	6,823	8,812	5,836	8,896
<i>Total pastures and grasses</i>	<i>39,319</i>	<i>54,336</i>	<i>47,580</i>	<i>52,175</i>	<i>51,326</i>	<i>48,749</i>
Total crops and pastures	1,203,201	1,799,732	1,544,981	1,346,379	1,685,640	1,896,685

(a) Includes grasses, lucerne and clovers.

TABLE 36 – GROSS VALUE OF LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS (a)
(S'000)

Item	1987-88	1988-89	1989-90	1990-91	1991-92r	1992-93p
Cattle and calves	176,003	190,017	225,013	180,309	179,628	186,664
Sheep and lambs (b)	159,177	116,260	105,229	91,541	115,485	147,208
Pigs	51,694	62,924	63,293	58,870	61,923	64,149
Poultry	52,722	55,288	60,345	57,724	61,028	67,977
Goats	471	405	268	187	140	251
Total	440,067	424,894	454,149	388,632	418,205	466,249

(a) Includes adjustment for net exports of live animals. (b) Excludes value of fellmongered wool and wool exported on skins.

TABLE 37 – GROSS VALUE OF LIVESTOCK PRODUCTS
(S'000)

Item	1987-88	1988-89	1989-90	1990-91	1991-92r	1992-93p
Wool						
Shorn	1,239,739	1,388,361	1,244,908	865,302	602,573	597,719
Other (a)	12,934	6,755	8,728	9,058	5,664	7,099
<i>Total wool</i>	<i>1,252,674</i>	<i>1,395,116</i>	<i>1,253,637</i>	<i>874,360</i>	<i>608,237</i>	<i>604,818</i>
Whole milk used for—						
Manufacturing	15,966	15,074	23,310	30,842	26,349	33,488
Market milk sales	46,360	51,611	57,011	63,034	77,718	80,556
<i>Total whole milk</i>	<i>62,326</i>	<i>66,686</i>	<i>80,321</i>	<i>93,876</i>	<i>104,067</i>	<i>114,044</i>
Eggs	26,874	29,651	32,690	30,591	30,305	30,370
Honey	4,084	3,177	2,987	2,402	2,648	2,447
Beeswax	204	174	162	114	130	121
Pollen	129	167	205	52	150	39
Total livestock products	1,347,976	1,494,971	1,370,002	1,001,395	745,538	751,839

(a) Includes dead and fellmongered wool and wool exported on skins.

TABLE 38 – GROSS VALUES, MARKETING COSTS AND LOCAL VALUES OF AGRICULTURAL COMMODITIES
(S'000)

Item	1987-88	1988-89	1989-90	1990-91	1991-92r	1992-93p
CROPS AND PASTURES						
Gross value of production	1,203,201	1,799,732	1,544,981	1,346,379	1,685,640	1,896,685
Marketing costs	167,219	239,480	225,284	244,225	235,910	267,326
Local value of production	1,035,982	1,560,252	1,319,697	1,102,154	1,449,730	1,629,359
LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS						
Gross value of production	440,067	424,894	454,149	388,632	418,205	466,249
Marketing costs	41,445	38,972	47,421	47,278	45,305	41,534
Local value of production	398,622	385,922	406,728	341,354	372,900	424,716
LIVESTOCK PRODUCTS						
Gross value of production	1,347,976	1,494,971	1,370,002	1,001,395	745,538	751,839
Marketing costs	33,914	39,027	42,605	32,688	33,030	37,315
Local value of production	1,314,063	1,455,944	1,327,398	968,707	712,508	714,523
TOTAL AGRICULTURE						
Gross value of production	2,991,245	3,719,597	3,369,132	2,736,407	2,849,384	3,114,773
Marketing costs	242,577	317,479	315,309	324,192	314,246	346,175
Local value of production	2,748,667	3,402,119	3,053,823	2,412,215	2,535,138	2,768,598

TABLE 39 - NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY,
INDUSTRY (ASIC) AND ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (EVAO), 1992-93

ASIC code	Industry of establishments Description	Estimated value of agricultural operations (EVAO) (\$'000)											500 plus	Total estab- lish- ments
		<22.5	22.5-29	30-39	40-49	50-59	60-74	75-99	100- 149	150- 199	200- 299	300- 499		
0124	Poultry for meat	—	—	2	—	1	2	1	1	4	16	15	8	51
0125	Poultry for eggs	1	1	2	1	3	4	11	4	4	21	15	26	90
0134	Grapes	36	25	28	27	18	16	12	3	3	1	5	1	185
0135	Plantation fruit	6	—	2	2	3	8	21	21	43	29	5	5	148
0136	Orchard and other fruit	132	44	43	48	27	33	67	31	30	22	12	12	550
0143	Potatoes	1	2	1	3	4	8	15	17	26	35	14	14	135
0144	Vegetables (except potatoes)	18	21	23	29	25	33	44	71	32	42	29	46	413
0181	Cereal grains (incl. oilseeds)	8	11	14	13	23	33	63	167	214	466	692	597	2,301
0182	Sheep - cereal grains	20	25	60	81	85	179	369	819	657	840	617	216	3,968
0183	Meat cattle - cereal grains	1	1	—	—	—	1	7	5	8	5	8	4	40
0184	Sheep - meat cattle	52	54	56	53	59	70	70	55	49	25	20	20	633
0185	Sheep	212	113	152	154	132	187	241	340	194	180	79	24	2,008
0186	Meat cattle	190	142	158	127	112	70	93	98	43	55	38	50	1,176
0187	Milk cattle	8	2	6	3	7	7	24	86	91	160	93	28	515
0188	Pigs	7	4	5	8	9	5	15	17	21	31	17	20	159
0195	Nurseries	37	5	30	9	4	16	44	35	32	25	20	21	278
0196	Agriculture n.e.c. (a)	31	13	35	31	22	15	24	21	15	19	13	22	261
Total establishments (ASIC Code 01)		760	463	617	589	533	682	1,092	1,856	1,444	2,009	1,752	1,114	12,911
Non agricultural industry establishments (b)		9	9	10	5	2	8	5	15	9	7	4	3	86
Nil Activity		131	—	—	—	—	—	—	—	—	—	—	—	131
Total all industries		900	472	627	594	535	690	1,097	1,871	1,453	2,016	1,756	1,117	13,128

(a) Includes 0192 - Peanuts. (b) Non agricultural establishments with agricultural activity.

TABLE 40 — ESTIMATES OF SELECTED FINANCIAL AGGREGATES OF AGRICULTURAL ENTERPRISES BY BASIC INDUSTRY CLASS (a), 1991-92

	Poultry 0124-0125		Fruit 0134-0136		Vegetables 0143-0144		Cereal grains, oilseeds n.e.c. 0181		Sheep- cereal grains 0182		Meat cattle cereal grains 0183		Sheep- meat cattle 0184	
	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %	\$m	S.E.	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %
Sales from crops	—	—	112.7	11	85.5	10	350.3	13	716.6	7	1.3	8	2.4	37
Sales from livestock	2.7	1	3.9	50	4.3	33	18.6	18	69.3	14	1.9	7	27.5	14
Sales from livestock products	30.5	18	0.5	53	41.8	40	41.8	16	314.2	8	0.6	45	19.6	16
Turnover	49.4	6	126.6	10	111.8	11	423.0	13	1,132.2	6	3.9	9	50.9	12
Purchases and selected expenses	26.1	13	70.2	14	63.9	14	272.5	13	731.2	6	2.1	9	32.8	13
Value added (b)	25.5	14	57.3	9	48.9	11	165.0	15	511.3	7	2.4	13	22.5	31
Adjusted value added	20.9	25	51.5	9	44.1	12	138.7	16	434.5	8	2.2	15	16.9	40
Gross operating surplus	15.6	33	37.3	12	33.3	13	121.0	17	375.9	8	1.8	19	11.1	61
Total interest paid	4.2	29	4.1	21	5.8	22	35.9	21	90.4	14	0.4	15	4.8	42
Cash operating surplus (c)	9.9	46	34.3	12	27.6	15	74.6	20	180.7	15	0.8	37	5.5	41
Total net capital expenditure	2.4	52	7.8	21	7.1	33	25.9	40	97.4	18	0.1	28	5.3	42
Total value of assets	183.3	11	446.5	9	346.2	13	1,500.2	15	5,863.4	11	18.4	10	497.2	19
Gross indebtedness	29.4	19	47.0	30	63.1	20	313.2	16	759.3	12	3.4	14	38.1	38
Net indebtedness	-2.9	**	13.8	**	35.9	40	172.4	30	490.7	20	2.6	26	-36.7	**
Net worth	153.9	13	399.5	9	283.1	17	1,187.0	16	5,104.1	12	15.1	13	459.1	20
Number of enterprises	115	10	600	7	498	7	1,359	21	4,733	7	17	10	435	15

Items	Sheep 0185		Meat cattle 0186		Milk cattle 0187		Pigs 0188		Nurseries(d) 0195		Other agriculture 0191-0196		All industries 01	
	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %	\$m	S.E. %
Sales from crops	22.7	20	0.3	53	2.8	76	1.5	53	—	—	57.3	17	1,353.5	3
Sales from livestock	43.2	32	112.7	18	22.5	11	34.7	8	—	—	1.7	29	343.0	8
Sales from livestock products	208.2	14	0.0	67	115.7	6	2.2	20	—	—	3.5	29	737.8	4
Turnover	293.6	12	120.7	18	142.6	5	39.5	6	—	—	66.0	15	2,560.3	2
Purchases and selected expenses	191.0	14	103.4	27	71.0	7	29.9	6	—	—	26.1	14	1,620.3	3
Value added (b)	169.3	14	68.2	16	73.9	5	9.6	6	—	—	39.5	16	1,193.5	3
Adjusted value added	141.6	14	40.5	28	67.8	5	8.1	14	—	—	33.9	17	1,000.5	3
Gross operating surplus	107.3	17	21.0	76	60.6	5	3.8	32	—	—	13.8	18	802.6	4
Total interest paid	35.4	37	15.7	41	12.6	11	2.5	26	—	—	4.0	19	215.9	9
Cash operating surplus (c)	6.9	*	-44.9	-66	45.3	8	1.4	77	—	—	11.0	23	353.2	13
Total net capital expenditure	24.4	55	41.3	20	13.8	17	1.5	21	—	—	2.9	21	230.1	11
Total value of assets	2,106.6	19	1,547.8	19	886.8	8	109.7	18	—	—	197.9	13	13,703.9	4
Gross indebtedness	338.8	31	152.9	39	107.6	13	23.1	26	—	—	43.8	18	1,919.7	7
Net indebtedness	245.5	44	83.9	69	-64.9	-33	16.4	53	—	—	21.4	32	978.2	17
Net worth	1,767.7	20	1,394.9	20	779.1	9	86.6	27	—	—	154.1	14	11,784.2	5
Number of enterprises	1,738	16	927	3	479	5	114	13	—	—	332	11	11,346	2

(a) See explanatory note 8. (b) Includes an estimate for the value of the increase in livestock. (c) Excludes an estimate for the value of the increase in livestock. (d) For 1989-90 the estimates for nurseries are included in the estimates for Other agriculture. * S.E. greater than 100%. Estimate included for completeness. Sampling variability too high for most practical purposes. ** Refer to explanatory note 8.

TABLE 41 – SELECTED FINANCIAL STATISTICS OF AGRICULTURAL ENTERPRISES (a)

Item	1990-91			1991-92		
	Total	Standard error	Average per enterprise	Total	Standard error	Average per enterprise
	\$m	%	\$'000	\$m	%	\$'000
Sales from crops	1,096.3	6	98.1	1,353.5	3	119.3
Sales from livestock	360.5	7	32.2	343.0	8	30.2
Sales from livestock products	1,023.8	5	91.6	737.8	4	65.0
Turnover	2,630.5	3	235.3	2,560.3	2	225.7
Purchases and selected expenses	1,538.3	3	137.6	1,620.3	3	142.8
Value added (b)	927.1	5	82.9	1,193.5	3	105.2
Adjusted value added	747.6	6	66.9	1000.5	3	88.2
Gross operating surplus	561.1	8	50.2	802.6	4	70.7
Total interest paid	268.9	8	24.1	215.9	9	19.0
Cash operating surplus (c)	519.2	9	46.4	353.2	13	31.1
Total net capital expenditure	167.0	15	14.9	230.1	11	20.3
Total value of assets	12,287.6	3	1,099.2	13,703.9	4	1,207.8
Gross indebtedness	1,984.0	7	177.5	1,919.7	7	169.2
Net indebtedness	1,306.7	13	116.9	978.2	17	86.2
Net worth	10,303.6	4	921.7	11,784.2	5	1,038.6
Number of enterprises	11,179	3	..	11,346	2	..

(a) See explanatory note 8. (b) Includes an estimate for the value of the increase in livestock. (c) Excludes an estimate for the value of the increase in livestock.

TABLE 42 – ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY CLASSIFIED BY ASIC INDUSTRY CLASS

ASIC code	Industry of establishment Description	Year ended 31 March					
		1988 (a)	1989 (a)	1990 (a)	1991 (b)	1992 (b)	1993 (b)
0124	Poultry for meat	47	50	51	51	49	51
0125	Poultry for eggs	93	93	90	100	93	90
0134	Grapes	110	124	135	123	142	185
0135	Plantation fruit	131	121	103	107	125	148
0136	Orchard and other fruit	417	399	392	391	379	550
0143	Potatoes	150	147	148	149	127	135
0144	Vegetables (except potatoes)	420	425	417	391	404	413
0181	Cereal grains (incl. oilseeds)	645	703	510	939	1,371	2,301
0182	Sheep - cereal grains	5,224	4,853	5,097	4,895	4,696	3,968
0183	Meat cattle - cereal grains	23	12	14	15	26	40
0184	Sheep - meat cattle	588	556	600	646	656	633
0185	Sheep	3,252	3,639	3,582	3,088	2,455	2,008
0186	Meat cattle	940	986	995	1,078	1,079	1,176
0187	Milk cattle	553	525	496	493	497	515
0188	Pigs	153	139	107	132	168	159
0191	Sugar cane
0192	Peanuts	4	2	..	1	1	1
0195	Nurseries	229	211	200	183	209	278
0196	Agriculture n.e.c.	247	231	208	206	232	260
Total establishments (ASIC Code 01)		13,226	13,216	13,145	12,988	12,709	12,911
Non agricultural industry establishments (c)		141	157	145	133	126	86
Total all industries		13,367	13,373	13,290	13,121	12,835	12,997

(a) Excludes establishments with an Estimated Value of Agricultural Operations (EVAO) of less than \$20,000 - refer to explanatory notes 2 and 3. (b) Excludes establishments with an Estimated Value of Agricultural Operations (EVAO) of less than \$22,500 - refer to explanatory notes 2 and 3. (c) Non agricultural establishments with agricultural activity.

EXPLANATORY NOTES

Scope and coverage

Statistics in this publication are, in general, derived from the annual Agricultural Census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.

2. In order to minimise demands on small operators for statistical information and to reduce the cost of processing the Census, the Australian Bureau of Statistics (ABS) excludes from the Census establishments with an estimated value of agricultural operations (EVAO) less than a certain cut-off level. This cut-off level is reviewed from time to time. From 1981-82 to 1985-86 establishments were excluded from the Census if they had, or were expected to have, an EVAO of less than \$2,500. From the 1986-87 Census, the cut-off value has been raised to \$20,000 and from the 1991-92 Census, the cut-off has been raised to \$22,500.

3. While the \$2,500 cut-off applying up to 1985-86 resulted in some changes in the counts of numbers of establishments appearing in publications, the effect on production statistics for most commodities was small. The \$20,000 cut-off applying from 1986-87 has a more significant effect on Census results. To provide a measure of the effect of the raised cut-off, Census data for 1984-85 and 1985-86 have been retabulated excluding establishments with EVAO less than \$20,000. The \$22,500 cut-off applying from 1991-92 has a very small effect on Census results. To provide a measure of the effect of the raised cut-off, Census data for 1990-91 have been retabulated excluding establishments below the \$20,000 cut-off and 1991-92 data excluding establishments below the \$22,500 cut-off. Comments in the summary of findings relate to data based on the \$22,500 cut-off.

4. In addition to the Agricultural Census, the ABS periodically collects a truncated range of data from establishments with EVAO of between \$5,000 and \$19,999. Data for these establishments for 1988-89 is available, inquiries should be made to the contact shown at the front of this publication.

5. Some data in this publication are obtained from sources other than the Agricultural Census, and hence the exclusions referred to in paragraphs 2 and 3 above do not apply. Items involved are:

- (a) Livestock slaughtered and meat produced. Data based on returns collected by ABS from abattoirs and poultry processors.
- (b) Egg production. Data supplied by Western Australian Egg Marketing Board.
- (c) Milk production. Data supplied by Australian Dairy Corporation.
- (d) Overseas exports. Data compiled by ABS from documents lodged under customs legislation.
- (e) Wool production. Data based on returns collected by ABS from wool brokers and dealers.

6. In addition, while statistics on values of commodities produced are generally based on production recorded in the Census, the value data have been adjusted upwards to cover estimated full production.

Industry classification

7. 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 (e.g. enterprises) and for coding them to the Industries of the Classification.

Structural statistics

8. Each agricultural establishment is classified each year to an industry of ASIC Sub-division 01, Agriculture, by applying unit prices to each agricultural activity undertaken by the establishment and by then assessing the predominant activity according to the estimated value derived. A more detailed explanation of the units involved in agriculture and the determination of the industry of such economic units is given in the publication *Agricultural Industries, Structure of Operating Units, Australia, (7102.0)*.

In particular cases, where the size of an estimate is small compared to previous estimate values, the size of the relative standard error may be a misleading indicator of the reliability of that estimate. This situation may occur where, although the relative standard error is very high, the value of the standard error compares favourably with those of previous estimates that were considered reliable. Accordingly, since the size of the confidence interval for such an estimate would compare favourably with those of past reliable estimates, we may assume that the current estimate is as reliable. Such a situation may occur where an estimate may legitimately have a positive or negative value and, currently, is near zero (and, historically, has had a large value). Estimates falling into the above category have been identified by a double asterisk (**).

Financial statistics

9. Financial statistics of agricultural enterprises are derived from the Agricultural Finance Survey. This survey was resumed, on an annual basis, in 1986-87 after a break in the survey since 1980-81. A detailed explanation of the survey and definitions of data items are provided in *Agricultural Industries, Financial Statistics, Australia (7507.0)*.

Value of production

10. Gross value is the estimated value at the principal market, of total production of each of the agricultural commodities. Further details on methods of estimation and sources of data are contained in *Value of Agricultural Commodities Produced (7503.5)*

Unpublished statistics

11. As well as the statistics included in this and other related publications, the ABS may have other relevant unpublished data available. Inquiries should be made to the contact shown at the front of this publication.

ABS products and services

12. This publication presents a broad summary of statistics relating to agriculture. Further information, including more detailed statistics and more comprehensive explanatory notes, are available in the following series of annual publications:

	Catalogue Number	
	W.A.	Australia
Agricultural Industries, Structure of Operating Units, Australia	..	7102.0
Western Australian Agriculture in Brief	7106.5	..
Selected Small Area Data, Western Australia	7120.5	..
Livestock and Livestock Products	7221.5	7221.0
Summary of Crops	7330.5	7330.0
Value of Agricultural Commodities Produced	7503.5	7503.0
Agricultural Industries, Financial Statistics, Australia	..	7507.0

13. The ABS also has more detailed agricultural statistics on magnetic tape, microfiche, CD-Rom and floppy disk. Agstats on floppy disk offers a wider range

of data aggregated at smaller geographic areas than those generally available in printed publications, together with an easy-to-use, menu-driven interrogation facility.

14. Current publications produced by the ABS are listed in *Catalogue of Publications and Products* (1101.0) which is available from any ABS Office.

Symbols and other usages

15. The following symbols, where shown in columns of figures or elsewhere in tables, mean:

ASIC	Australian Standard Industrial Classification
EVAO	Estimated value of agricultural operation
n.a.	not available
n.e.c.	not elsewhere classified
n.e.i.	not elsewhere included
p	preliminary - figure or series subject to revision
r	figure or series revised since previous issue
---	nil or rounded to zero
..	not applicable.
*	standard error greater than 100%.

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









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