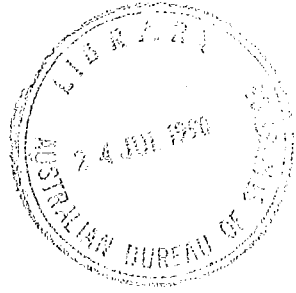


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**SUMMARY OF CROPS  
AUSTRALIA  
1988-89**

**IAN CASTLES  
Australian Statistician**

**AUSTRALIAN BUREAU OF STATISTICS**

**CATALOGUE NO. 7330.0**

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## SUMMARY OF FINDINGS

Final results from the 1988-89 Agricultural Census reveal a continuing decline in the number of farms, and in the area they occupied, compared with 1987-88. Numbers of establishments with agricultural activity decreased by 1.7 per cent to 128.6 thousand in 1987-88, and by a further 0.8 per cent to 127.5 thousand in 1988-89. The total area of these establishments has fallen by 5.1 per cent for 1987-88 to 466.9 million hectares. The average size of farms, however, remains constant at just over 3.6 thousand hectares.

The area used for crops, 17.5 million hectares, is 4.5 per cent lower than the 1987-88 figures of 18.4 million, itself 7.1 per cent below the previous year. A steady increase over recent years in the area of sown pastures, (up 5.5 per cent to 30.2 million hectares in 1988-89), suggests a shift in emphasis to the pastoral industries, where numbers of beef cattle and sheep show significant increases (see *Livestock and Livestock Products, Australia, (7221.0)*). This decline in cropping area is attributable mainly to reduced plantings of the major crops, wheat down by 2.0 per cent, barley by 6.6 per cent, grain sorghum by 16.1 per cent and lupins by 16.3 per cent. Certain other crops, such as field peas and soybeans, had record plantings, and these along with cotton and sugar, showed record tonnages produced.

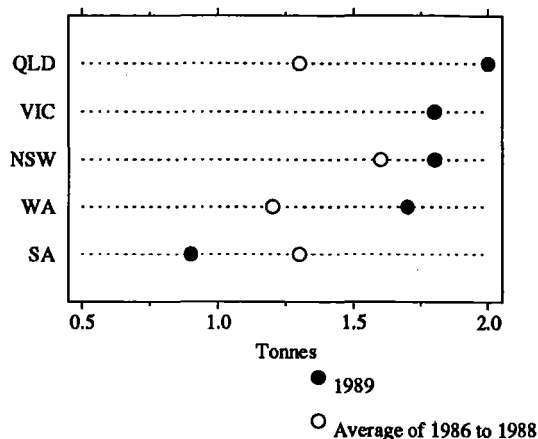
### Wheat

The area sown to wheat declined in all five wheat producing states compared with 1987-88, and also with the average of the three years to 1987-88. The table below shows the percentage changes.

Percentage change in area of wheat 1988-89, compared with

	1987-88	Average of 1985-86 to 1987-88
New South Wales	-6.3	-24.8
Victoria	-9.3	-27.9
Queensland	-18.9	-4.4
South Australia	-2.3	-1.0
Western Australia	-0.5	-15.6

WHEAT YIELD BY STATES  
Tonnes per Hectare



Nationally, the wheat yield increased to 1.58 tonnes per hectare, compared with the 1.36 tonnes per hectare of the previous year. This was the third highest yield since 1971-72 with 1.80 tonnes per hectare recorded in 1978-79 and 1.70 tonnes per hectare in 1983-84.

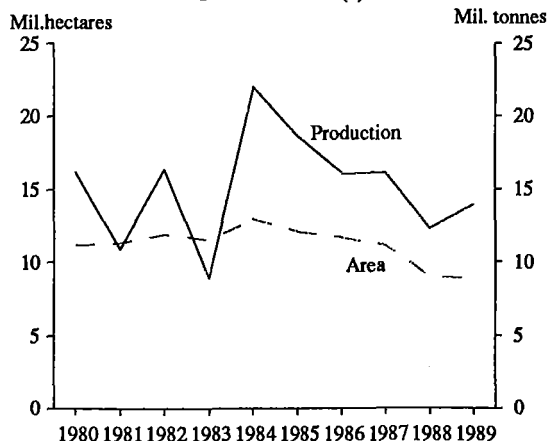
Compared with the average of the previous three year, the wheat yield per hectare increased in Queensland by 55.2 per cent, Victoria by 0.2 per cent, New South Wales by 11.0 per cent and Western Australia by 36.8 per cent, and decreased by 29.3 per cent in South Australia, which has been experiencing drought conditions in the Eyre Peninsula. Good seasons have contributed to the increased yields in the other states, particularly Queensland where conditions were excellent right up to harvesting. Another factor is the withdrawal from more marginal land, especially in Western Australia.

The total number of establishments growing wheat for grain has decreased by 1616 (5.1 per cent) to 31,710, with the average area planted to wheat being 278.4 hectares. Despite lower wheat plantings in 1988-89, the higher yield has led to a production increase of 1.6 million tonnes to 13.9 million tonnes.

### Other cereal crops

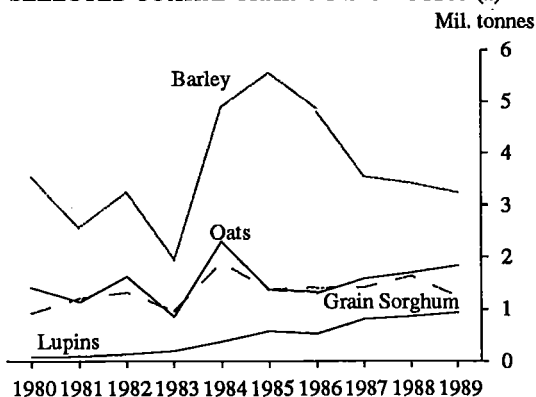
In 1988-89 the area sown to barley for grain was 2.2 million hectares, 6.6 per cent less than in 1987-88. Barley production declined by 5.1 per cent to 3.2 million tonnes. The area of grain sorghum was also lower by 120,000 hectares (16.1 per cent) than the 745,000 hectares planted in 1987-88, with production down by 23.8 per cent to 1.2 million tonnes. Oats showed an increased planting of 1.3 million hectares, 2.6 per cent higher than the previous year, with an 8.2 per cent increase in production to 1.8 million tonnes.

WHEAT FOR GRAIN-AREA AND PRODUCTION(a)



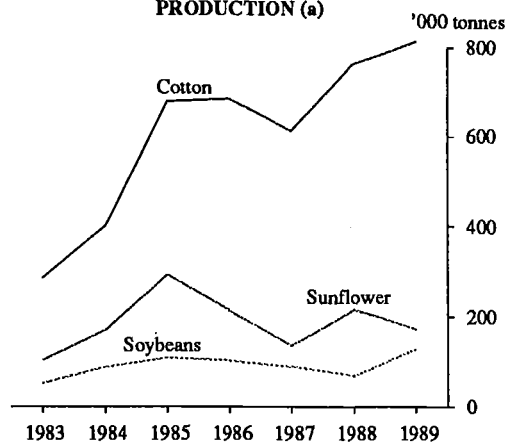
(a) see paragraph 4 of Explanatory notes

## SELECTED COARSE GRAINS-PRODUCTION(a)



(a) see paragraph 4 of explanatory notes.

## SELECTED OTHER CROPS PRODUCTION (a)



(a) See paragraph 4 of Explanatory notes.

**Field crops***Legumes*

In 1988-89 there was a decrease of 142 thousand hectares (8.8 per cent) in the area planted to legumes, compared with 1987-88. The area planted to lupins fell by 165 thousand hectares or 16.3 per cent to 850 thousand hectares, offsetting the increased area of other grain legumes. Despite the smaller area of lupins in 1988-89, above average yields in response to favourable conditions led to a 72 thousand tonnes increase in production. The area of field peas for grain rose to a record of 456 thousand hectares, an increase of 14 thousand hectares or 3.2 per cent on 1987-88. In 1988-89 production of field peas reached a record 517 thousand tonnes, 6.3 per cent higher than the previous year.

*Sunflower*

The area of the sunflower crop decreased to 185 thousand hectares from 200 thousand hectares of the previous year (-7.6 per cent). Sunflower production was down 20.5 per cent on 1987-88.

*Soybeans*

The area of soybeans rose in response to higher prices to a new record of 71 thousand hectares from 43 thousand hectares in 1987-88, an increase of 62.5 per cent on the previous year. Consequently soybean production also jumped to a record of 130 tonnes, an increase of 87.9 per cent over 69 thousand tonnes produced in 1987-88.

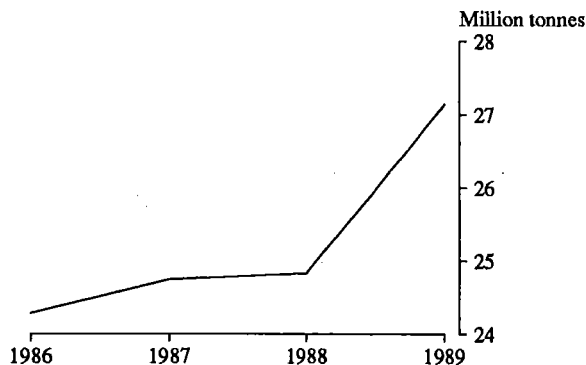
*Cotton*

With lower cotton prices and improved prices for alternative crops, such as soybeans, cotton plantings in 1988-89 fell to 194 thousand hectares from the all time record area of 245 thousand hectares in 1987-88. Seed cotton production reached a new record figure of 812.8 thousand tonnes, an increase of 6.6 per cent over the record production of the previous year.

*Sugar cane*

In 1988-89 the area sown to sugar cane was 394 thousand hectares, which is the highest figure since 1982-83. Sugar cane production rose to an all time high level of 27 million tonnes, 9.3 per cent higher than the previous year.

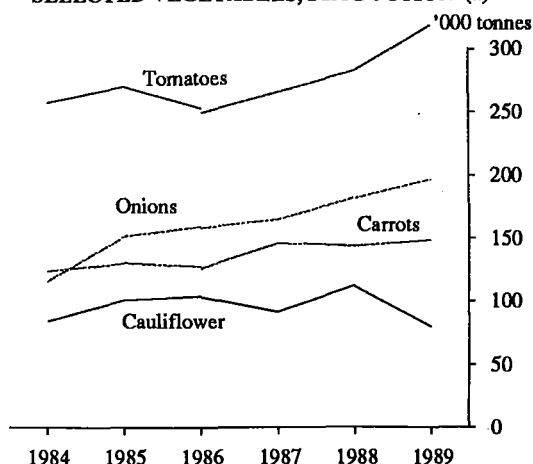
## SUGAR CANE FOR CRUSHING PRODUCTION

**Horticulture***Vegetables*

The area of vegetables for human consumption in 1988-89 increased by 1.9 per cent compared with 1987-88. Plantings of potatoes decreased from 39.8 thousand hectares in 1987-88 to 37.6 thousand hectares (-5.5 per cent). Potato production in 1988-89, at 1 million tonnes, was also down by 3.1 per cent compared with the previous year, although the 27.9 tonnes per hectare yield is the highest for the three years.

Plantings increased significantly for beans (16 per cent), green peas (5.2 per cent) and tomatoes (9.4 per cent), with consequent increases in production. Tomatoes showed a 12.8 per cent increase in production, with a higher yield (34.86 tonnes/hectare) than the previous two years. Increased yield resulted in a 17.1 per cent increase in the production of cabbages and brussels sprouts, although the area of these vegetables was down by 6.6 per cent.

## SELECTED VEGETABLES, PRODUCTION (a)



(a) See paragraph 4 of Explanatory notes

**Fruit**

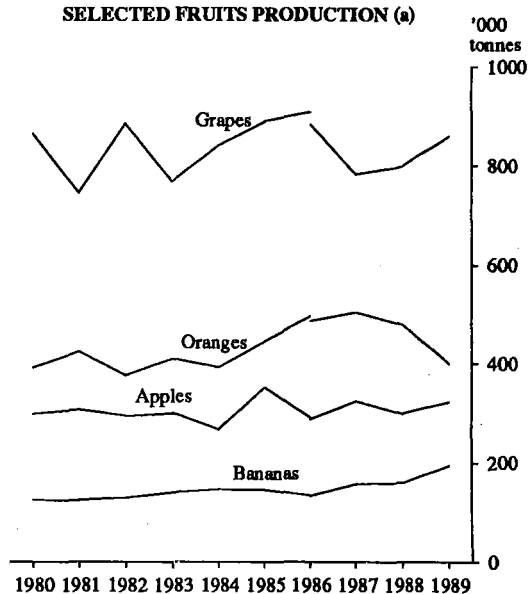
Orange production was down by 79.7 thousand tonnes, a drop of 16.6 per cent on 1987-88. Overall citrus production fell from 582 thousand tonnes to 469.9 thousand tonnes, a drop of 14 per cent. Apple production was up by 7.8 per cent. Stone fruit production was down by 10 per cent, the main contributor being peaches down by 21.4 per cent. Mango and custard fruit production improved by 17.5 and 26.9 per cent, respectively. All tropical fruit increased in production with bananas showing an increase of 22.2 per cent, the yield improving from 20 tonnes to 25 tonnes per bearing hectare, and

papaw an increase of 14 per cent. Kiwifruit increased significantly (by 57.1 per cent) from 1567 tonnes in 1987-88 to 2462 tonnes in 1988-89, although bearing area decreased 24.4 per cent from 496 to 375 hectares. Yield per hectare increased by 49 per cent from 4.5 to 6.7 tonnes, largely because of Victorian vines maturing to full bearing capacity.

**Grapes**

While the area planted was relatively stable, grape production rose by 7.6 per cent to 859.2 thousand tonnes. This is the result of a drop of 15.1 per cent in production of grapes for drying, a small rise in other grape production, and a strong increase of 22.3 per cent in production of grapes for winemaking.

## SELECTED FRUITS PRODUCTION (a)



(a) See paragraph 4 of Explanatory notes

TABLE 1. LAND USE AT 31 MARCH, 1987 TO 1989  
(\*000 hectares)

	<i>Australia</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>
Area of crops(a)—									
1987	19,764	5,325	2,317	3,036	3,066	5,930	78	12	—
1988	18,360	4,908	2,159	2,870	2,990	5,334	84	13	1
1989	17,527	4,560	1,990	2,842	2,961	5,082	82	11	—
Area of sown pastures and grasses—									
1987	27,341	5,937	5,820	3,979	3,586	7,111	832	51	23
1988	28,613	6,281	5,970	4,179	3,700	7,561	832	64	26
1989	30,185	6,845	6,458	4,354	3,715	7,788	853	147	26
Total area of establishments with agricultural activity—									
1987	471,019	60,804	13,127	151,723	59,471	112,734	1,873	71,238	50
1988	472,034	61,538	13,086	152,466	59,958	113,476	1,871	69,582	57
1989	466,926	61,593	13,096	151,310	58,029	112,631	1,883	68,327	58
Area of non-agricultural land(b)—									
1987	297,265	19,339	9,633	20,977	38,967	139,816	4,957	63,382	193
1988	296,250	18,605	9,674	20,234	38,480	139,074	4,959	65,038	186
1989	301,358	18,550	9,664	21,390	40,409	139,919	4,947	66,293	185
<b>Total area (agricultural and non-agricultural)</b>	<b>768,284</b>	<b>80,143</b>	<b>22,760</b>	<b>172,700</b>	<b>98,438</b>	<b>252,550</b>	<b>6,830</b>	<b>134,620</b>	<b>243</b>

(a) Excludes pastures and grasses harvested for hay and seed which have been included in 'Sown pastures and grasses'. (b) Comprises conserved land, forestry, urban and unused land such as vacant Crown land, commercially unused land on Aboriginal and other Crown reserves and waste land, ephemeral lakes, mangroves swamps, etc.

Note: Agricultural land is generally divided into cropped land, land sown to pastures and grasses and a broad balance comprising grazing land, land lying idle or under fallow, etc. While agricultural land use presently occupies about 61 per cent of Australia many other uses have also developed, some of which are listed in Footnote(b) above.

TABLE 2. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, AT 31 MARCH 1987 TO 1989

	<i>Australia</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>
1987	130,814	37,355	34,383	25,860	15,369	13,852	3,637	290	68
1988	128,629	38,064	32,688	25,717	14,768	13,543	3,504	278	67
1989—									
Area of establishments (hectares)									
0(a)	529	226	73	100	69	50	11	—	—
>0- 4	2,476	873	404	368	355	416	46	13	1
5- 9	2,981	764	883	337	640	311	37	8	1
10- 19	4,764	1,406	1,339	695	961	283	72	8	—
20- 29	3,056	888	789	739	392	157	84	6	1
30- 49	5,841	1,255	1,708	1,872	548	224	225	7	2
50- 74	6,434	1,091	2,342	2,098	381	200	320	2	—
75- 99	5,597	974	2,216	1,503	335	216	352	—	1
100- 124	5,246	1,071	2,044	1,215	323	249	344	—	—
125- 149	4,550	831	1,887	1,101	270	221	239	1	—
150- 199	6,945	1,694	2,536	1,481	522	379	329	4	—
200- 249	6,444	1,795	2,217	1,184	547	443	251	2	5
250- 299	5,437	1,540	1,900	990	478	354	171	—	4
300- 399	8,287	2,746	2,607	1,253	919	555	196	2	9
400- 499	7,313	2,744	2,008	885	954	547	162	3	10
500- 749	12,217	4,864	2,933	1,334	1,837	1,018	213	3	15
750- 999	7,847	3,074	1,550	784	1,204	1,088	137	3	7
1,000- 1,999	14,652	5,394	1,936	1,765	2,096	3,239	203	4	15
2,000- 2,999	5,448	1,619	411	1,052	764	1,509	91	1	1
3,000- 4,999	4,027	1,143	146	1,100	442	1,118	70	8	—
5,000- 9,999	2,698	720	65	1,252	220	394	37	9	1
10,000-19,999	1,858	476	16	1,203	97	55	6	5	—
20,000-49,999	1,589	497	19	964	76	24	4	5	—
50,000 and over	1,311	124	6	459	135	411	—	176	—
<b>Total number of establishments</b>	<b>127,547</b>	<b>37,809</b>	<b>32,035</b>	<b>25,734</b>	<b>14,565</b>	<b>13,461</b>	<b>3,600</b>	<b>270</b>	<b>73</b>

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

NOTE: In addition to the above statistics, the Australian Bureau of Statistics can provide similar statistics for other major commodities aggregated to small areas. These additional services are subject to a charge.

TABLE 3. AREA OF CROPS AND PASTURES, YEARS ENDED 31 MARCH 1987 TO 1989  
(<sup>'000 hectares</sup>)

	Australia			1989						
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT
Cereals for grain—										
Barley	2,274	2,346	2,190	413	350	200	837	383	8	—
Canary seed	15	11	12	2	—	10	—	—	—	—
Grain sorghum	818	745	625	152	—	468	—	—	—	5
Maize	58	56	52	14	—	36	—	1	—	1
Oats	1,140	1,275	1,309	548	189	18	156	389	10	—
Panicum & millet	42	39	26	1	1	23	—	—	—	—
Rice	96	106	97	94	—	3	—	—	—	—
Rye	75	42	35	5	8	—	19	3	—	—
Triticale	145	134	116	55	16	11	7	26	1	—
Wheat	11,135	9,005	8,827	2,309	931	768	1,520	3,297	1	—
<i>Total</i>	<i>15,799</i>	<i>13,760</i>	<i>13,290</i>	<i>3,593</i>	<i>1,495</i>	<i>1,538</i>	<i>2,538</i>	<i>4,100</i>	<i>20</i>	<i>6</i>
Legumes for grain—										
Lupins	747	1,015	850	48	35	—	46	720	1	—
Field peas	314	442	456	47	221	—	140	47	—	—
Other	182	157	166	31	25	68	40	1	—	—
<i>Total</i>	<i>1,244</i>	<i>1,615</i>	<i>1,473</i>	<i>126</i>	<i>281</i>	<i>68</i>	<i>227</i>	<i>768</i>	<i>2</i>	<i>—</i>
Crops for hay—										
Barley	23	25	19	2	2	2	10	4	—	—
Oats	205	228	220	42	34	5	49	89	2	—
Wheat	67	76	71	18	4	2	13	34	1	—
Other	11	15	12	2	2	2	3	2	—	1
<i>Total</i>	<i>306</i>	<i>344</i>	<i>323</i>	<i>63</i>	<i>41</i>	<i>10</i>	<i>75</i>	<i>129</i>	<i>3</i>	<i>1</i>
Crops for green feed or silage—										
Barley	85	91	84	34	3	26	13	8	—	—
Forage sorghum	177	212	182	29	1	150	—	1	—	—
Grain sorghum	90	47	34	8	—	24	—	—	—	1
Maize	7	8	6	3	1	2	—	—	—	—
Oats	645	759	684	304	21	280	28	40	10	—
Rye	9	13	15	7	2	—	5	—	—	—
Vegetables for animal feed	24	29	25	5	7	1	—	—	11	—
Wheat	71	60	35	14	2	12	3	3	1	—
Other	81	95	87	24	14	25	6	9	9	—
<i>Total</i>	<i>1,190</i>	<i>1,313</i>	<i>1,152</i>	<i>428</i>	<i>52</i>	<i>521</i>	<i>56</i>	<i>63</i>	<i>31</i>	<i>1</i>
Oilseeds—										
Linseed	7	8	3	1	2	—	—	—	—	—
Rapeseed	65	58	43	24	13	—	4	1	—	—
Safflower	30	38	47	13	26	5	3	—	—	—
Soybean	54	43	71	32	1	37	—	1	—	—
Sunflower	193	200	185	34	4	146	1	1	—	—
<i>Total</i>	<i>349</i>	<i>348</i>	<i>349</i>	<i>103</i>	<i>46</i>	<i>189</i>	<i>8</i>	<i>3</i>	<i>—</i>	<i>—</i>
Vegetables for human consumption										
Fruit—	111	117	119	22	29	34	8	8	17	—
Orchard fruit	89	91	96	33	20	18	16	5	3	1
Tropical and other fruit	18	18	18	5	1	12	—	1	—	—
Grapes	57	57	58	12	19	1	23	2	—	—
<i>Total</i>	<i>165</i>	<i>166</i>	<i>177</i>	<i>55</i>	<i>40</i>	<i>31</i>	<i>40</i>	<i>8</i>	<i>3</i>	<i>1</i>
Other crops—										
Sugar cane (total)	379	387	394	27	—	367	—	—	—	—
Cotton	156	245	194	141	—	53	—	—	—	—
Peanuts	34	32	22	—	—	22	—	—	—	—
Tobacco	5	5	5	—	2	3	—	—	—	—
Other	25	26	25	—	5	5	7	2	7	1
<i>Total</i>	<i>599</i>	<i>694</i>	<i>640</i>	<i>168</i>	<i>6</i>	<i>450</i>	<i>7</i>	<i>2</i>	<i>7</i>	<i>1</i>
<i>Total area used for crops</i>	<i>19,764</i>	<i>18,359</i>	<i>17,526</i>	<i>4,560</i>	<i>1,990</i>	<i>2,842</i>	<i>2,961</i>	<i>5,082</i>	<i>82</i>	<i>11</i>
Pastures—										
Cut for hay	972	837	1,027	248	444	36	120	119	57	3
Harvested for seed	96	101	119	16	22	15	26	39	1	1
Cut for green feed or silage	71	74	75	14	32	4	4	10	11	—
<i>Total area of pastures harvested</i>	<i>1,139</i>	<i>1,011</i>	<i>1,222</i>	<i>278</i>	<i>498</i>	<i>55</i>	<i>151</i>	<i>168</i>	<i>69</i>	<i>4</i>
<i>Total area used for crops and pastures</i>	<i>20,903</i>	<i>19,370</i>	<i>18,748</i>	<i>4,838</i>	<i>2,487</i>	<i>2,896</i>	<i>3,112</i>	<i>5,249</i>	<i>151</i>	<i>15</i>



TABLE 4. PRODUCTION OF PRINCIPAL CROPS AND PASTURES, YEARS ENDED 31 MARCH 1987 TO 1989  
(<sup>'000 tonnes</sup>)

	Australia			1989						
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT
Crops for grain—										
Cereals—										
Barley	3,548	3,417	3,242	712	545	374	1,036	552	22	—
Canary seed	11	8	9	2	—	7	—	—	—	—
Grain sorghum	1,419	1,633	1,244	301	1	934	—	1	—	8
Maize	206	208	217	78	1	132	—	4	—	1
Oats	1,584	1,698	1,838	780	276	15	131	618	18	—
Panicum & millet	39	45	21	2	2	17	—	—	—	—
Rice	608	740	748	730	—	18	—	—	—	—
Rye	55	21	17	3	5	—	6	2	—	—
Triticale	233	208	195	110	26	24	7	25	3	—
Wheat	16,119	12,287	13,935	4,105	1,691	1,550	1,361	5,225	2	—
Legumes—										
Lupins for grain	802	855	927	58	37	—	40	790	2	—
Field peas for grain	513	487	517	58	264	—	153	41	1	—
Crops for hay—										
Barley	57	61	48	6	5	4	21	11	2	—
Oats	676	714	749	132	128	15	112	354	8	—
Wheat	186	200	198	53	13	5	22	101	3	—
Other	22	28	85	4	63	3	6	5	—	4
Oilseeds—										
Linseed	7	8	3	—	3	—	—	—	—	—
Rapeseed	76	66	58	34	16	—	7	1	—	—
Safflower	19	25	31	6	20	2	3	—	—	—
Soybeans	90	69	130	64	1	63	—	1	—	—
Sunflower	137	216	172	34	6	130	1	1	—	—
Other crops—										
Sugar cane	24,742	24,832	27,146	1,560	—	25,586	—	—	—	—
Cotton—										
Seed cotton	612	762	813	613	—	200	—	—	—	—
Raw cotton (a)	217	269	294	222	—	71	—	—	—	—
Peanuts (in shell)	48	37	25	1	—	24	—	—	—	—
Tobacco	12	13	11	—	4	7	—	—	—	—
Pastures—										
Cut for hay	3,719	3,127	3,871	893	1,713	211	370	402	273	8
Harvested for seed	23	25	28	2	9	1	8	8	—	—

(a) This data represents seed cotton production expressed in terms of 'raw' cotton i.e. cotton after ginning.

TABLE 5. STOCKS OF MAJOR GRAINS AND FODDER AT 31 MARCH 1987 TO 1989  
(<sup>'000 tonnes</sup>)

	Australia			1989						
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	
Grain stocks—										
Wheat	1,044.5	962.4	—	—	—	—	—	—	—	—
Barley	729.0	692.7	701.8	192.0	140.8	56.0	174.5	129.5	9.0	—
Oats	1,405.8	1,366.4	1,550.1	841.5	247.2	13.7	95.1	335.0	16.9	—
Sorghum	199.5	188.2	149.2	—	—	148.4	—	—	—	—
Fodder stocks—										
Hay	5,783.1	4,972.0	5,550.1	1,510.2	2,474.2	202.0	477.4	581.5	297.5	—
Silage	816.9	756.7	975.2	432.0	254.9	76.7	24.6	85.8	100.4	—

TABLE 6. NUMBER OF ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY CLASSIFIED ACCORDING TO AREA OF ESTABLISHMENT AND AREA OF WHEAT FOR GRAIN, AUSTRALIA(a), AT 31 MARCH 1987 TO 1989

	Area of Wheat for grain (Hectares)													1,500- and over	Establi- shments with wheat for grain	Establi- shments with no wheat for grain	Total number of establi- shments		
	1-9	10-19	20-29	30-39	40-49	50-74	75-99	100- 149	150- 199	200- 249	250- 299	300- 399	400- 499					500- 999	1,000- 1,499
1987	813	1,309	1,732	1,418	1,848	3,453	2,774	5,045	3,301	3,156	1,783	2,630	2,190	3,975	1,265	945	37,637	93,177	130,814
1988	789	1,164	1,667	1,310	1,887	3,209	2,541	4,623	2,879	2,766	1,575	2,266	1,849	3,140	996	665	33,326	95,303	128,629
1989—																			
NSW	189	398	654	475	715	1,171	952	1,626	945	921	491	634	500	706	179	123	10,679	27,130	37,809
Vic.	156	265	375	317	452	686	531	879	542	459	257	329	214	255	36	13	5,766	26,269	32,035
Qld	149	227	227	164	225	320	231	352	224	207	110	177	152	274	75	63	3,177	22,557	25,734
SA	125	167	269	254	325	632	532	923	567	533	337	427	350	594	140	61	6,236	8,329	14,565
WA	78	66	85	74	111	194	211	444	370	406	305	560	592	1,337	533	429	5,795	7,666	13,461
Tas.	35	10	6	2	1	2	1	—	—	—	—	—	—	—	—	—	57	3,543	3,600
Area of establishments (hectares)																			
0(a)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
>0-	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5-	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10-	10	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20-	2	3	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30-	27	14	9	5	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50-	27	27	23	15	8	1	—	—	—	—	—	—	—	—	—	—	—	—	—
74	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75-	38	41	35	12	14	13	5	1	—	—	—	—	—	—	—	—	—	—	—
99	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100-	28	47	40	22	16	21	5	3	—	—	—	—	—	—	—	—	—	—	—
124	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
125-	41	47	61	40	33	48	11	14	—	—	—	—	—	—	—	—	—	—	—
149	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
150-	61	98	123	83	86	117	47	23	6	—	—	—	—	—	—	—	—	—	—
199	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
200-	55	118	204	99	144	199	95	74	12	10	—	—	—	—	—	—	—	—	—
249	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
250-	54	92	120	144	187	231	148	99	27	18	7	—	—	—	—	—	—	—	—
299	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
300-	76	150	252	191	278	490	300	366	115	34	11	14	1	—	—	—	—	—	—
399	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
400-	70	131	201	167	255	419	375	584	231	91	24	32	12	1	—	—	—	—	—
499	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
500-	85	166	232	227	360	609	610	1,142	688	502	189	110	33	19	—	—	—	—	—
749	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
750-	51	77	116	111	169	304	323	636	525	539	301	314	131	63	1	—	—	—	—
999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1,000-	75	84	145	130	199	402	387	910	728	937	682	1,073	916	980	88	6	7,742	6,910	14,652
1,999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2,000-	20	19	31	18	41	100	79	201	171	211	161	318	427	1,091	259	52	3,199	2,249	5,448
2,999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3,000-	3	4	12	12	25	29	51	103	92	118	80	173	191	703	390	249	2,235	1,792	4,027
4,999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5,000-	3	10	4	7	8	15	13	44	41	46	28	68	69	232	168	292	1,048	1,650	2,698
9,999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10,000-	2	1	3	2	5	6	5	17	10	15	12	19	22	57	46	57	279	1,579	1,858
19,999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20,000-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
49,999	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50,000 and over	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total number of establishments	732	1,133	1,616	1,286	1,829	3,005	2,458	4,224	2,648	2,526	1,500	2,127	1,808	3,166	963	689	31,710	95,837	127,547

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

NOTE: In addition to the above statistics, the Australian Bureau of Statistics can provide similar statistics for major commodities aggregated to small areas. These additional services are subject to a charge.

TABLE 7. AREA OF PASTURES AND GRASSES, YEARS ENDED 31 MARCH 1987 TO 1989  
(\*000 hectares)

	Australia			1989								
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	
Cut for hay—												
Lucerne	141.0	147.1	153.0	79.8	29.9	20.8	17.5	3.4	1.5	0.1	0.1	
Other	831.2	690.0	874.8	167.9	414.4	14.7	102.9	115.8	55.2	3.3	0.5	
<i>Total</i>	972.2	837.0	1,027.9	247.8	444.2	35.5	120.4	119.2	56.8	3.4	0.6	
Harvested for seed—												
Lucerne	15.5	18.4	18.9	5.7	0.9	—	12.2	—	—	—	—	
Clovers—												
Subterranean	21.4	27.2	35.7	4.3	3.0	—	4.5	23.8	—	—	—	
Other	8.7	5.8	5.1	0.4	1.6	—	2.6	0.4	0.1	—	—	
Lupins	3.3	3.3	4.1	—	—	—	—	4.1	—	—	—	
Barrel medic	10.4	7.1	11.5	0.1	0.4	—	3.2	7.7	—	—	—	
Phalaris tuberosa	3.3	2.3	3.5	1.4	0.7	—	1.4	—	—	—	—	
Rhodes grass	3.1	1.6	3.0	0.6	—	2.4	—	—	—	—	—	
Ryegrass (wimmera, perennial, etc.)	12.2	13.2	12.2	1.0	9.5	0.1	0.1	0.5	1.0	—	—	
Other	17.8	21.7	25.3	2.2	5.5	12.4	2.0	2.4	0.2	0.7	—	
<i>Total</i>	95.6	100.7	119.3	15.9	21.6	14.9	26.0	39.0	1.3	0.7	—	
Cut for green feed or silage—												
Lucerne	10.0	10.1	8.6	3.2	1.7	1.4	1.2	0.9	0.1	—	—	
Other	61.5	63.6	66.6	11.1	30.0	2.7	3.1	8.6	11.0	—	—	
<i>Total</i>	71.5	73.6	75.2	14.3	31.7	4.1	4.3	9.5	11.1	0.1	—	
<b>Total area of pastures</b>	<b>1,139.2</b>	<b>1,011.4</b>	<b>1,222.3</b>	<b>277.9</b>	<b>497.6</b>	<b>54.5</b>	<b>150.7</b>	<b>167.7</b>	<b>69.1</b>	<b>4.1</b>	<b>0.6</b>	

TABLE 8. PRODUCTION OF PASTURES AND GRASSES, YEARS ENDED 31 MARCH 1987 TO 1989  
(\*000 tonnes)

	Australia			1989								
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	
Cut for hay—												
Lucerne	757.1	792.2	782.3	366.3	154.2	164.3	75.6	13.2	7.7	0.3	0.7	
Other	2,961.9	2,334.7	3,088.8	526.3	1,559.1	46.4	294.8	388.5	265.2	7.9	0.6	
<i>Total</i>	3,719.1	3,126.9	3,871.1	892.7	1,713.2	210.6	370.4	401.8	272.9	8.2	1.2	
Harvested for seed—												
Lucerne	3.2	4.3	4.3	0.4	0.1	—	3.8	—	—	—	—	
Clovers—												
Subterranean	6.2	7.2	9.4	0.6	1.3	—	2.5	4.9	—	—	—	
Other	2.5	1.4	1.2	0.1	0.5	—	0.6	—	—	—	—	
Lupins	0.7	0.7	0.9	—	—	—	—	0.9	—	—	—	
Barrel medic	3.0	1.3	2.1	—	0.1	—	0.7	1.3	—	—	—	
Phalaris tuberosa	0.4	0.3	0.6	0.1	0.1	—	0.4	—	—	—	—	
Rhodes grass	0.2	0.1	0.2	—	—	0.2	—	—	—	—	—	
Ryegrass (wimmera, perennial, etc.)	4.1	5.8	5.3	0.2	4.6	—	—	0.1	0.4	—	—	
Other	3.0	3.9	4.3	0.6	2.1	0.7	0.4	0.5	0.1	—	—	
<i>Total</i>	23.3	25.0	28.3	2.0	8.8	0.9	8.4	7.7	0.5	—	—	
Silage made (a)	678.5	878.2	824.6	255.1	250.7	63.3	30.8	101.2	122.5	0.6	0.2	

(a) Includes silage made from crops and from pastures.

**AGSTATS on MAGNETIC TAPE, MICROFICHE, FLOPPY DISK AND  
CD-ROM, AUSTRALIA, 1988-89, CATALOGUE NO 7107.0**

Data from the 1988-89 Agricultural census are available from AgStats (formerly ADDS) which provides a complete set of Agricultural census commodity data for small areas.

For further information, contact Penny Cooke on (06) 2525300 or any State ABS office.

TABLE 9. AREA OF VEGETABLES FOR HUMAN CONSUMPTION, YEARS ENDED 31 MARCH 1987 TO 1989  
(Hectares)

	Australia			1989							
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Asparagus	1,650	1,816	1,967	955	884	80	3	37	7	—	—
Beans, french and runner	5,991	6,010	6,974	574	705	4,209	24	197	1,251	14	—
Beetroot	773	992	902	43	28	821	5	5	—	—	—
Broccoli	3,447	3,913	4,006	441	1,529	1,458	188	168	223	—	—
Cabbages and brussels sprouts	2,890	2,771	2,588	535	902	433	292	220	193	4	8
Capsicum, chillies and peppers	1,078	1,187	1,250	65	101	907	42	111	2	22	—
Carrots	4,646	4,595	4,754	945	1,137	982	429	852	406	—	2
Cauliflower	3,674	3,407	3,547	681	1,094	418	278	754	318	—	4
Celery	933	953	965	8	434	285	105	107	25	—	1
Cucumbers	1,272	1,240	1,470	408	37	856	54	107	1	5	—
Green peas—											
Processing	10,401	10,647	11,166	963	1,806	1,202	—	875	6,319	—	—
Sold in pod	762	642	723	518	108	57	24	8	8	—	—
Lettuce	3,751	3,914	4,013	709	1,375	1,033	348	437	82	13	16
Marrows, squashes and zucchinis	1,342	1,505	1,496	311	53	1,031	42	38	3	19	—
Melons—											
Water	3,082	3,196	3,376	283	56	2,615	47	329	—	47	—
Rock and cantaloupe	2,805	2,963	2,955	772	176	1,123	288	315	—	281	—
Mushrooms	76	76	99	48	32	6	6	5	1	—	—
Onions, white and brown	4,340	5,041	5,387	1,398	377	982	1,114	412	1,098	6	—
Parsnips	333	279	349	167	113	11	15	20	23	—	—
Potatoes	36,685	39,840	37,624	6,346	13,020	6,208	3,861	2,188	6,001	—	—
Pumpkins	6,276	6,407	5,934	1,203	351	3,491	344	417	82	46	—
Sweet corn	3,740	4,081	5,144	2,622	660	1,379	84	98	302	—	—
Tomatoes	8,547	8,353	9,140	1,829	2,880	3,963	187	246	13	21	—
Turnips, swede and white other vegetables	435 28,200	361 29,180	400 31,207	80 3,837	38 5,605	22 10,739	36 787	22 1,794	201 8,371	— 72	— 3
<b>Total area</b>	<b>111,359</b>	<b>116,712</b>	<b>118,903</b>	<b>22,391</b>	<b>28,552</b>	<b>34,291</b>	<b>8,007</b>	<b>8,141</b>	<b>16,998</b>	<b>490</b>	<b>33</b>

TABLE 10. PRODUCTION OF VEGETABLES FOR HUMAN CONSUMPTION, YEARS ENDED 31 MARCH 1987 TO 1989  
(Tonnes)

	Australia			1989							
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Asparagus	4,370	6,145	5,978	2,214	3,341	339	2	69	13	—	—
Beans, french and runner	29,386	32,728	35,503	1,815	3,993	17,083	127	1,381	11,044	61	—
Beetroot	25,275	27,533	26,711	1,646	354	24,552	68	90	1	—	—
Broccoli	19,933	20,217	23,010	2,785	6,696	8,314	1,347	2,324	1,543	—	—
Cabbages and brussels sprouts	82,923	80,490	94,290	27,046	30,065	11,915	9,455	10,904	4,609	54	242
Capsicum, chillies and peppers	13,178	15,258	16,739	773	1,638	11,509	813	1,810	6	188	1
Carrots	146,034	144,018	148,675	24,043	40,683	21,008	13,223	30,988	18,726	—	4
Cauliflower	91,571	112,240	79,631	11,421	25,083	8,261	11,723	17,866	5,185	—	91
Celery	47,465	48,584	46,891	228	20,603	14,671	3,829	6,917	641	—	2
Cucumbers	15,550	17,766	17,168	3,573	961	8,578	2,320	1,680	25	31	—
Green peas—											
Processing	33,419	42,994	45,989	3,607	6,929	3,668	—	2,226	29,559	—	—
Sold in pod	1,195	1,226	1,077	691	164	132	44	20	26	—	—
Lettuce	84,041	85,728	88,930	9,559	30,511	27,200	6,101	14,505	789	113	152
Marrows, squashes and zucchinis	7,744	8,544	9,275	2,212	361	5,707	436	365	37	157	—
Melons—											
Water	48,431	50,562	51,820	3,324	1,644	37,245	1,241	7,223	—	1,143	—
Rock and cantaloupe	41,626	49,373	47,924	10,644	2,976	17,782	6,155	5,769	—	4,599	—
Mushrooms	15,203	18,258	19,684	7,747	8,238	1,377	1,390	520	412	—	—
Onions, white and brown	164,740	181,711	196,280	38,033	10,655	21,307	48,207	21,622	56,356	100	—
Parsnips	7,036	5,527	6,527	3,181	2,230	88	271	376	381	—	—
Potatoes	1,015,200	1,081,538	1,048,005	110,126	368,307	115,112	119,147	78,464	256,849	—	—
Pumpkins	70,046	71,816	73,270	13,872	8,338	36,331	6,041	6,786	1,317	586	—
Sweet corn	48,720	52,418	64,469	38,465	9,060	10,001	1,370	808	4,766	—	—
Tomatoes	266,019	282,551	318,618	65,661	138,861	98,922	6,348	7,910	688	227	—
Turnips, swede and white	6,644	4,472	6,486	1,190	607	345	678	422	3,242	—	—

TABLE 11. AREA OF FRUIT, YEARS ENDED 31 MARCH 1987 TO 1989  
('000 hectares)

	Australia			1989					
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.
Orchard fruit—									
Citrus	27.9	28.3	28.5	12.7	3.9	2.7	8.2	1.0	—
Pome—									
Apples	19.1	19.1	19.8	5.4	4.7	2.9	1.7	2.4	2.7
Pears and other pome	6.1	5.9	6.4	0.8	4.3	0.3	0.5	0.5	0.1
Stone and other	26.3	27.5	29.7	9.6	5.4	9.0	3.7	1.2	0.1
Nuts	10.0	10.4	11.9	4.2	2.0	3.1	2.3	0.2	—
<i>Total</i>	<i>89.3</i>	<i>91.2</i>	<i>96.4</i>	<i>32.8</i>	<i>20.3</i>	<i>18.1</i>	<i>16.4</i>	<i>5.3</i>	<i>2.8</i>
Tropical and other fruit									
Bananas	9.4	9.2	9.3	4.4	—	4.3	—	0.4	—
Pineapples	6.3	6.3	6.7	—	—	6.7	—	—	—
Other	2.4	2.6	2.4	0.5	0.6	0.9	0.1	0.1	0.2
<i>Total</i>	<i>18.2</i>	<i>18.1</i>	<i>18.4</i>	<i>5.0</i>	<i>0.6</i>	<i>11.8</i>	<i>0.1</i>	<i>0.5</i>	<i>0.2</i>
<i>Total area of orchard, tropical and other fruit</i>	<i>107.5</i>	<i>109.3</i>	<i>119.8</i>	<i>42.7</i>	<i>20.9</i>	<i>29.9</i>	<i>16.5</i>	<i>5.8</i>	<i>3.0</i>
Grapes	57.1	56.9	57.7	12.4	18.9	1.0	23.3	1.9	0.1
<b>Total area of fruit</b>	<b>164.6</b>	<b>166.6</b>	<b>172.6</b>	<b>50.3</b>	<b>39.7</b>	<b>30.9</b>	<b>39.7</b>	<b>7.7</b>	<b>3.1</b>

TABLE 12. AREA OF VINES AND PRODUCTION OF GRAPES (a),  
YEARS ENDED 31 MARCH 1987 TO 1989

	Area of vines at harvest			Grubbings (actual and/or intended)	Production of grapes used for—				
	Bearing	Not yet bearing	Total		Wine- making	Drying	Other	Total	
	-hectares—			-hectares—	-tonnes (fresh weight)—				
Australia—									
1987	53,879	3,194	57,072	2,001	476,896	262,302	43,442	782,640	
1988	53,662	3,209	56,871	1,099	460,148	292,612	46,057	798,817	
1989	53,771	3,936	57,709	947	562,942	248,294	47,929	859,165	
1989—									
NSW	11,636	797	12,433	175	139,940	40,721	9,391	190,052	
Vic.	17,590	1,267	18,859	314	104,274	191,605	30,316	326,195	
Qld	921	91	1,013	63	315	—	3,616	3,931	
SA	21,791	1,482	23,274	367	310,427	14,546	2,572	327,545	
WA	1,684	246	1,930	27	7,645	1,422	1,654	10,721	
Tas.	62	42	104	1	340	—	—	340	
NT	85	9	94	—	—	—	380	380	
ACT	1	2	2	—	—	—	—	—	

(a) Varietal information is available in 'Viticulture, Australia,' Catalogue No. 7310.0. The 1988-89 issue was published on 15 December 1989.

The ABS released a publication compiled from their annual Agricultural collections. This publication, with a summary of the information it contains, is as follows:

**VITICULTURE, AUSTRALIA, 1988-89, CATALOGUE NO 7310.0 (\$15.00)**

- Area of vines, production of grape and dried fruit, gross value, wine production
- Sales of Australian wine and brandy
- Export and import of grape and grape products
- Grape varieties

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TABLE 13. NUMBER OF TREES AND PRODUCTION OF ORCHARD FRUIT, YEARS ENDED 31 MARCH 1987 TO 1989

	Australia			1989					
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.
TREES 6 YEARS AND OVER ('000)									
Citrus—									
Oranges	5,092	5,047	5,244	2,598	789	159	1,593	105	—
Lemons and limes	395	387	383	172	77	26	95	13	—
Mandarins	381	379	418	66	49	207	71	24	—
Grapefruit	276	260	248	111	51	8	72	6	—
Pome—									
Apples	4,413	4,377	4,401	1,058	1,094	583	321	498	846
Pears	1,308	1,335	1,336	80	1,033	55	71	79	18
Stone—									
Apricots	472	492	514	34	140	23	293	11	13
Cherries	298	348	327	235	55	—	31	4	3
Nectarines	192	230	257	78	73	56	16	32	2
Peaches	1,027	1,053	1,056	309	496	83	114	54	1
Plums and prunes	573	605	625	312	96	105	50	62	—
Other orchard, N.E.I.—									
Avocados	195	217	267	72	14	162	13	7	—
Custard apples	18	23	28	9	—	19	—	—	—
Mangoes	73	107	161	6	—	138	—	4	—
Olives	79	74	74	3	42	—	29	—	—
Nuts—									
Almonds	507	540	568	—	148	—	420	—	—
Macadamia	436	493	662	356	—	306	—	—	—
TOTAL NUMBER OF TREES ('000)									
Citrus—									
Oranges	6,897	6,873	7,122	3,601	1,054	236	2,034	198	—
Lemons and limes	531	505	530	266	86	59	100	18	—
Mandarins	627	674	760	129	85	379	125	43	—
Grapefruit	303	290	282	126	55	11	78	12	—
Pome—									
Apples	6,350	6,555	6,810	1,663	1,827	755	630	667	1,267
Pears	1,552	1,779	2,028	195	1,470	63	130	143	28
Stone—									
Apricots	697	761	823	49	252	33	450	21	19
Cherries	527	611	616	410	113	1	68	13	12
Nectarines	647	764	919	395	186	182	46	99	11
Peaches	1,797	1,867	2,004	727	763	206	194	112	2
Plums and prunes	954	1,066	1,120	490	162	234	95	138	2
Other orchard, N.E.I.—									
Avocados	455	454	462	109	26	279	18	30	—
Custard apples	61	68	75	24	—	51	—	—	—
Mangoes	362	390	493	25	—	399	—	16	—
Olives	87	82	83	4	45	—	34	—	—
Nuts—									
Almonds	751	832	932	14	380	—	538	—	—
Macadamia	885	938	1,284	683	—	600	—	—	—
PRODUCTION (Tonnes)									
Citrus—									
Oranges	503,760	478,918	399,248	173,215	57,412	18,537	144,996	5,087	—
Lemons and limes	41,842	33,929	34,783	10,826	7,265	3,350	12,018	1,322	—
Mandarins	32,803	35,681	36,276	3,189	3,259	22,409	6,551	867	—
Grapefruit	32,107	33,170	29,234	11,024	6,079	1,352	10,311	466	—
Pome—									
Apples	324,741	299,807	323,045	71,975	99,554	33,865	18,317	46,695	52,637
Pears	144,582	162,034	142,119	5,286	119,012	3,514	6,312	6,974	1,021

TABLE 13. NUMBER OF TREES AND PRODUCTION OF ORCHARD FRUIT—*continued*  
YEARS ENDED 31 MARCH 1987 TO 1989

	Australia			1989					
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.
PRODUCTION (Tonnes)									
Stone—									
Apricots	26,519	28,355	27,945	1,646	8,384	409	17,054	386	66
Cherries	4,044	4,568	3,881	2,522	971	—	330	33	25
Nectarines	6,993	7,954	8,131	2,532	2,425	1,520	502	1,112	40
Peaches	60,843	66,020	51,917	12,956	28,351	1,927	6,850	1,819	13
Plums and prunes	22,227	18,383	19,877	11,251	3,311	2,260	975	2,072	8
Other Orchard, N.E.I.—									
Avocados	9,700	9,798	11,082	2,520	241	7,844	225	251	—
Custard apples	745	874	1,109	488	—	621	—	—	—
Mangoes	2,884	6,991	5,767	66	—	5,204	—	225	—
Olives	486	597	523	19	121	—	379	4	—
Nuts—									
Almonds (in shell)	4,864	5,923	5,718	1	2,957	—	2,760	—	—
Macadamia	3,006	3,874	4,544	2,518	—	2,025	—	—	—

TABLE 14. AREA AND PRODUCTION OF TROPICAL AND OTHER FRUIT,  
YEARS ENDED 31 MARCH 1987 TO 1989

	Australia			1989						
	1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT
BEARING AREA (Hectares)										
Tropical—										
Bananas	7,769	7,969	7,941	3,845	—	3,679	—	346	—	71
Papaws	332	352	367	9	—	355	—	3	—	—
Pineapples	3,762	3,766	4,083	1	—	4,081	—	—	—	1
Other—										
Currants (black, red)	145	130	107	—	—	—	—	—	106	—
Kiwifruit	320	496	375	136	185	29	9	16	—	—
Passionfruit	235	215	206	49	—	156	—	1	—	—
Raspberries	134	149	166	5	119	1	3	2	35	—
Strawberries	415	422	382	22	164	80	67	34	11	—
TOTAL AREA (Hectares)										
Tropical—										
Bananas	9,391	9,195	9,319	4,409	—	4,256	—	444	—	211
Papaws	454	505	585	21	—	558	—	5	—	1
Pineapples	6,329	6,269	6,660	6	—	6,653	—	—	—	1
Other—										
Currants (black, red)	168	151	132	—	1	—	—	—	131	—
Kiwifruit	476	840	457	178	198	44	10	27	—	—
Passionfruit	302	273	360	168	—	190	—	2	—	—
Raspberries	165	166	191	14	130	2	3	2	41	—
Strawberries	495	594	484	39	203	106	77	42	13	—
PRODUCTION (Tonnes)										
Tropical—										
Bananas	157,720	160,137	195,762	80,434	—	104,795	—	9,908	—	625
Papaws	4,819	4,473	5,099	109	—	4,973	—	15	—	2
Pineapples	142,339	146,500	154,440	5	—	154,419	—	—	—	16
Other—										
Currants (black, red)	637	491	380	—	1	—	—	—	379	—
Kiwifruit	968	1,567	2,462	538	1,657	93	55	120	—	—
Passionfruit	3,961	3,662	2,831	786	—	2,035	—	11	—	—
Raspberries	481	517	519	4	330	1	11	2	170	—
Strawberries	5,364	4,866	4,721	201	1,621	1,154	678	942	96	—

TABLE 15. PRINCIPAL CROPS AND PASTURES ARTIFICIALLY FERTILISED, AREA FERTILISED, TYPE AND QUANTITY USED, YEARS ENDED 31 MARCH 1987 TO 1989

	Unit	Australia			1989							
		1987	1988	1989	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Sown and native pastures—												
Area fertilised	('000 ha)	10,299	13,231	15,331	3,934	3,220	181	2,006	5,483	502	—	6
Type of fertiliser used—												
Superphosphate	('000 t)	1,130	1,565	1,760	464	358	22	223	622	70	—	1
Nitrogenous	"	49	50	60	17	14	18	3	7	1	—	—
Other (a)	"	207	288	309	13	196	13	17	43	27	—	—
Wheat—												
Area fertilised	('000 ha)	8,525	7,307	7,057	1,484	813	190	1,434	3,136	1	—	—
Type of fertiliser used—												
Superphosphate	('000 t)	437	367	338	51	72	3	82	130	—	—	—
Nitrogenous	"	94	84	100	27	5	8	6	54	—	—	—
Other (a)	"	294	262	283	49	18	3	49	164	—	—	—
Sugar cane(b)—												
Area fertilised	('000 ha)	289	297	296	—	—	296	—	—	—	—	—
Type of fertiliser used—												
Superphosphate	('000 t)	16	19	16	—	—	16	—	—	—	—	—
Nitrogenous	"	98	93	90	—	—	90	—	—	—	—	—
Other (a)	"	96	102	104	—	—	104	—	—	—	—	—
All other crops—												
Area fertilised	('000 ha)	4,950	5,816	5,187	1,301	765	572	1,023	1,456	58	—	—
Type of fertiliser used—												
Superphosphate	('000 t)	397	503	409	63	88	19	75	151	11	—	—
Nitrogenous	"	175	204	189	70	13	77	12	15	2	—	—
Other (a)	"	233	301	275	60	41	48	50	58	18	—	—
Total crops—												
Area fertilised	('000 ha)	24,064	26,651	27,871	6,719	4,798	1,239	4,463	10,074	561	11	6
Type of fertiliser used—												
Superphosphate	('000 t)	1,981	2,454	2,523	578	519	60	379	903	82	2	1
Nitrogenous	"	416	431	438	114	31	193	21	75	3	1	—
Other (a)	"	830	953	971	122	255	167	116	265	45	1	—

(a) Includes potash (potassium) fertilisers. Artificial fertiliser mixtures and compounds containing phosphorus, nitrogen or potassium, in any proportion, are also included. (b) Queensland only; data for other States are included in 'all other crops.'

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TABLE 16. ESTIMATES OF SELECTED COMMODITIES, TOTALS FOR ALL ESTABLISHMENTS INCLUDING THOSE HAVING EVAO GREATER THAN \$5,000 (a), YEAR ENDED 31 MARCH 1989

	NSW	Vic.	Qld	SA	WA	Tas.	NT	Aust.
— Area ('000 hectares) —								
Crops for grain—								
Barley	416	359	212	852	384	8	—	2,231
Grain sorghum	152	—	486	—	—	—	5	645
Maize	14	—	38	—	1	—	1	54
Oats	555	197	20	158	391	11	—	1,332
Rice	94	—	3	—	—	—	—	98
Triticale	56	17	12	7	26	1	—	118
Wheat	2,316	950	794	1,539	3,303	1	—	8,903
Oilseeds—								
Linseed	1	2	—	—	—	—	—	3
Rapeseed	24	14	—	4	1	—	—	43
Safflower	13	26	5	3	—	—	—	48
Soybeans	32	1	40	—	1	—	—	74
Sunflower	34	4	148	1	1	—	—	187
Other crops—								
Cotton	141	—	53	—	—	—	—	194
Field peas	48	224	—	142	47	—	—	461
Lupins	48	36	—	47	721	1	—	852
Peanuts	—	—	23	—	—	—	—	23
Potatoes	6	13	6	4	2	6	—	38
Sugar cane	27	—	371	—	—	—	—	398
Tobacco	—	2	3	—	—	—	—	5
Other Fruits—								
Bananas	4,930	—	4,419	—	444	—	211	10,002
Grapevines for all purposes	13,169	20,369	1,413	25,033	2,203	170	95	62,450
Kiwifruit	290	254	57	10	30	2	—	643
Pineapples	9	—	6,858	—	—	—	—	6,868
— Tree Numbers ('000) —								
Tree Fruits—								
Apples	1,681	1,859	769	645	685	1,278	—	6,918
Apricots	53	276	40	497	23	29	—	919
Avocados	143	31	319	19	32	—	—	544
Grapefruit	127	56	12	80	13	—	—	289
Lemons and limes	279	92	67	103	24	—	—	565
Mangoes	32	—	443	—	19	—	55	549
Oranges	3,656	1,092	250	2,080	231	—	—	7,310
Peaches	768	810	226	208	122	3	—	2,137
Pears	198	1,518	64	137	148	29	—	2,095
— Production ('000 tonnes) —								
Crops for grain—								
Barley	718	559	397	1,055	554	23	—	3,306
Grain sorghum	302	1	971	—	1	—	8	1,283
Maize	81	2	138	—	4	—	1	226
Oats	789	288	17	134	621	19	—	1,867
Rice	731	—	18	—	—	—	—	749
Triticale	111	27	27	7	25	2	—	199
Wheat	4,118	1,726	1,601	1,378	5,236	2	—	14,060
Oilseeds—								
Linseed	—	3	—	—	—	—	—	3
Rapeseed	34	17	—	7	1	—	—	59
Safflower	6	20	2	3	—	—	—	31
Soybeans	64	2	63	—	1	—	—	135
Sunflower	34	6	132	1	1	—	—	144
Other crops—								
Cotton	613	—	200	—	—	—	—	813
Field peas	59	267	—	155	41	1	—	523
Lupins	58	38	—	40	791	2	—	930
Peanuts	1	—	25	—	—	—	—	26
Potatoes	111	399	118	121	79	263	—	1,091
Sugar cane	1,562	—	25,870	—	—	—	—	27,432
Tobacco	—	4	7	—	—	—	—	12

TABLE 16. ESTIMATES OF SELECTED COMMODITIES, TOTALS FOR ALL ESTABLISHMENTS INCLUDING THOSE HAVING EVAO GREATER THAN \$5,000 (a), YEAR ENDED 31 MARCH 1989—continued

	NSW	Vic.	Qld	SA	WA	Tas.	NT	Aust.
— Production (tonnes) —								
Tree Fruits—								
Apples	72,776	101,276	34,451	18,749	47,942	53,062	—	328,297
Apricots	1,805	9,214	491	18,844	441	98	—	31,187
Avocados	3,298	293	8,955	234	266	—	—	13,037
Grapefruit	11,113	6,197	1,468	10,608	514	—	7	29,922
Lemons and limes	11,337	7,754	3,807	12,327	1,794	—	2	37,122
Mangoes	83	—	5,782	—	271	—	282	6,423
Oranges	175,853	59,494	19,636	148,258	5,950	—	—	409,192
Peaches	13,681	30,097	2,118	7,334	1,975	22	—	55,227
Pears	5,372	122,946	3,597	6,694	7,213	1,042	—	146,862
Other Fruits—								
Bananas	89,971	—	108,821	—	9,918	—	625	209,335
Grapevines for all purposes	201,326	352,262	5,483	352,199	12,239	554	384	924,447
Kiwifruit	877	2,118	121	55	134	—	—	3,305
Pineapples	88	—	159,195	—	—	—	10	159,219

(a) For an explanation of EVAO and of this table, see Explanatory Notes, paragraphs 3 to 4. Caution should be exercised when using these estimates because:  
 — data collected from establishments with EVAO between \$5,000 and \$19,999 are not as rigorously edited as Census data.  
 — production data are not collected from these establishments, it is estimated on the basis of area or numbers using yields from Census data. Yields for Census establishment may differ from yields of establishments with EVAO less than \$20,000.

TABLE 17. PERCENTAGE COMPARISONS OF EVAO CUT-OFFS FOR SELECTED COMMODITIES, AREA AND PRODUCTION(a), YEAR ENDED 31 MARCH 1989  
 (Data over \$20,000 EVAO as a percentage of data over \$5,000 EVAO)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	Aust.
Crops for grain—								
Barley	99.3	97.4	94.2	98.2	99.8	94.8	—	98.2
Grain sorghum	99.5	98.3	96.2	11.3	100.0	—	91.9	96.9
Maize	96.3	93.0	95.6	—	100.0	—	100.0	95.9
Oats	98.8	95.8	87.2	98.4	99.6	96.1	—	98.3
Rice	99.9	—	100.0	—	—	—	100.0	99.9
Triticale	99.2	97.0	90.6	98.7	99.9	97.2	—	98.1
Wheat	99.7	98.0	96.8	98.8	99.8	94.7	—	99.1
Oilseeds—								
Linseed	100.0	100.0	100.0	100.0	100.0	—	—	100.0
Rapeseed	99.7	98.7	100.0	99.4	100.0	100.0	—	99.4
Safflower	100.0	98.7	100.0	97.0	—	—	—	99.1
Soybeans	98.7	67.3	93.9	—	100.0	—	100.0	95.6
Sunflower	99.7	96.7	98.3	97.9	100.0	100.0	—	98.6
Other crops—								
Cotton	100.0	—	99.7	—	—	—	—	99.9
Field peas	99.8	98.8	—	98.6	100.0	97.5	—	98.9
Lupins	99.4	97.2	43.5	98.8	99.9	99.8	—	99.7
Peanuts	100.0	—	96.8	—	100.0	—	100.0	96.8
Potatoes	99.2	97.1	97.2	98.7	99.6	97.7	—	97.9
Sugar cane	99.9	—	98.9	—	—	—	—	99.0
Tobacco	89.6	98.2	99.0	—	—	—	—	98.3
Tree Fruits—								
Apples	98.9	98.3	98.3	97.7	97.4	99.2	—	98.4
Apricots	91.2	91.0	83.3	90.5	87.7	67.1	—	89.6
Avocados	76.4	82.2	87.6	96.3	94.3	—	—	85.0
Grapefruit	99.2	98.1	92.1	97.2	90.7	—	21.0	97.7
Lemons and limes	95.5	93.7	88.0	97.5	73.7	33.3	53.6	93.7
Mangoes	80.0	—	90.0	—	82.9	—	96.5	89.8
Oranges	98.5	96.5	94.4	97.8	85.5	—	—	97.4
Peaches	94.7	94.2	91.0	93.4	92.1	58.1	—	93.8
Pears	98.4	96.8	97.7	94.3	96.7	98.0	—	96.8
Other Fruits—								
Bananas	89.4	—	96.3	—	99.9	—	100.0	93.2
Grapevines for all purposes	94.4	92.6	71.7	93.0	87.6	61.4	98.9	92.4
Kiwifruit	61.3	78.2	77.2	100.0	89.0	—	—	74.5
Pineapples	64.4	—	97.0	—	—	—	100.0	97.0

(a) See Explanatory Notes, paragraph 4. Caution should be exercised when using these estimates because:  
 — data collected from establishments with EVAO between \$5,000 and \$19,999 are not as rigorously edited as Census data.  
 — production data are not collected from these establishments, it is estimated on the basis of area or numbers using yields from Census data. Yields for Census establishment may differ from yields of establishments with EVAO less than \$20,000.

## EXPLANATORY NOTES

**Scope and coverage**

This and the previous release of this publication replaces three previous publications, *Crops and Pastures Australia* (7321.0), *Fruit, Australia* (7322.0) and *Agricultural Land Use and Selected Inputs, Australia* (7421.0). Statistics in this publication are, unless otherwise specified, derived from the annual Agriculture Census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.

2. The ABS excludes from the Census those establishments which make only a small contribution to overall agricultural production. From 1986-87 the scope of the Census is establishments undertaking agricultural activity having an estimated value of agricultural operations (EVAO) of \$20,000 or more.

3. In addition to the Census, some basic data are collected for a limited range of commodities from those establishments having a EVAO of between \$5,000 and \$19,999. These data are used together with census data to derive estimates of totals for selected commodities for all establishments having EVAO greater than \$5,000 (see Table 16).

4. The scope of censuses prior to 1986-87 was establishments undertaking agricultural activity having an EVAO of \$2,500 or more. Time series graphs in this publication show the break in series.

**Crop commodities**

5. Statistics of areas and production of crops relate, in the main, to crops sown during the year ended 31 March. Statistics of perennial crops relate to the position as at 31 March and the production during the year ended on that date, or of fruit set by that date. For example, particulars of area, production and yield per hectare of wheat in Australia refer to wheat sown during the period from April to September and harvested between October and the following February, i.e. the 1988-89 season relates to the harvesting period October 1988 to February 1989. Statistics of other crops which in some states are harvested after 31 March 1989 (e.g. maize, potatoes, apples and pears) are collected by supplementary census returns and are included in this publication.

**Related publications**

6. Users may also wish to refer to the following publications which are available from ABS bookshops:

*Agricultural Industries, Structure of Operating Units, Australia, 1988-89* (7102.0)

*Principal Agricultural Commodities, Australia, Preliminary 1989-90, Agricultural Production and Farmers' Intentions for the 1990-91 Season* (7111.0) (Previously: *Principal Agricultural Commodities, Australia, Preliminary*)

*Value of Agricultural Commodities Produced, Australia, 1988-89* (7503.0)

*Viticulture, Australia, 1988-89* (7310.0)

**Other forms of release**

7. The ABS also has more detailed agricultural statistics on magnetic tape, microfiche, floppy disk and CD-ROM. 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.

8. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. *Statistics Weekly* (1318.0), issued on Thursdays, describes highlights from publications released during the week. The catalogue, *Publications Advice* and *Statistics Weekly* are available from any ABS office.

**Unpublished statistics**

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

10. The figures shown in this publication have been revised where necessary and as a consequence may not agree with similar data shown in previous publications.

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

12. Unless indicated otherwise, Australian totals include data for all States and both Territories.

**Symbols and other usages**

— nil or rounded to zero

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