



1989-90
**Summary of Crops
Australia**



ABS Catalogue No. 7330.0

EMBARGOED UNTIL 11.30 A.M. 16 OCTOBER 1991

**SUMMARY OF CROPS
AUSTRALIA
1989-90**

J. L. CARROLL
Acting Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 7330.0

© Commonwealth of Australia 1991

CONTENTS

	<i>Page</i>
.. Summary of Findings	1
<i>Graphs</i>	
.. Wheat for grain, area and production, Australia, 1981 to 1990	1
.. Wheat yield by States	1
.. Selected coarse grains production, Australia, 1981 to 1990	2
.. Selected other crops production, Australia, 1983 to 1990	2
.. Selected vegetables, production, Australia, 1985 to 1990	3
.. Selected fruits production, Australia, 1981 to 1990	3
<i>Table No.</i>	
1. Land use at 31 March, 1988 to 1990	4
2. Number of establishments with agricultural activity, at 31 March, 1988 to 1990	4
3. Area of crops and pastures, years ended 31 March, 1988 to 1990	5
4. Production of principal crops and pastures, years ended 31 March, 1988 to 1990	6
5. Stocks of major grains and fodder, at 31 March, 1988 to 1990	6
6. Number of establishments with agricultural activity classified according to area of establishment and area of wheat for grain, Australia, at 31 March, 1988 to 1990	7
7. Area of pastures and grasses, years ended 31 March, 1988 to 1990	8
8. Production of pastures and grasses, years ended 31 March, 1988 to 1990	8
9. Area of vegetables for human consumption, years ended 31 March, 1988 to 1990	9
10. Production of vegetables for human consumption, years ended 31 March, 1988 to 1990	9
11. Area of fruit, years ended 31 March, 1988 to 1990	10
12. Area of vines and production of grapes, years ended 31 March, 1988 to 1990	10
13. Number of trees and production of orchard fruit, years ended 31 March, 1988 to 1990	11
14. Area and production of tropical and other fruit, years ended 31 March, 1988 to 1990	12
15. Principal crops and pastures artificially fertilised, area fertilised, type and quantity used, years ended 31 March, 1988 to 1990	13
16. Nursery, cut flowers and cultivated turf statistics, summary, 1989-90	13
17. Area and value of sales of cut flowers, 1989-90	14
18. Value of purchases and sales of nursery material, 1989-90	14
19. Area of crops and pastures irrigated, by method of irrigation, year ended 31 March 1990	15
20. Area irrigated, by source of water used, year ended 31 March 1990	15
.. Explanatory Notes	16

INQUIRIES

- * for further information about statistics in this publication and the availability of related unpublished statistics— contact Mark Patton on Canberra (06) 252 5341 or any ABS State office.
- * for information about other ABS statistics and services please refer to the back page of this publication.

SUMMARY OF FINDINGS

Final results from the 1989-90 Agricultural Census show the number of establishments with agricultural activity increased by 1.6 per cent to 129.5 thousand and the total area of establishments with agricultural activity decreased by 0.02 per cent to 466.8 million hectares compared with 1988-89. The reason for these variations is that buoyant market conditions together with favourable climatic conditions led to a large number of smaller farms coming within the scope of the collection.

The area used for crops fell by 0.6 million hectares or 3.3 per cent on 1988-89. States that contributed largely to this decline were New South Wales and Queensland where the areas fell by 10.6 per cent and 9.2 per cent respectively. This decline in cropping area is attributable mainly to reduced planting of the major crops: oats down 16.8 per cent, triticale 23.3 per cent, grain sorghum 39.2 per cent, lupins 5.8 per cent, field peas 28.5 per cent and oil seeds by 42.7 per cent.

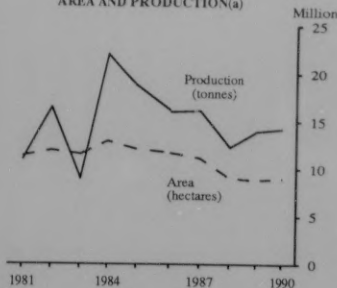
Wheat

The area sown to wheat in 1989-90 increased in all wheat producing States, except New South Wales. The table below shows the percentage changes both in respect of 1988-89 and the average of the three years ended 1988-89.

Percentage change in area of wheat sown in 1989-90, compared with

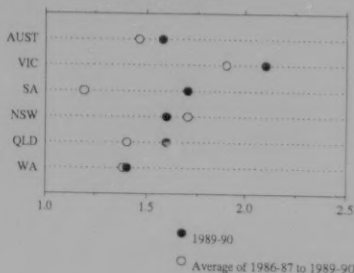
	1988-89	Average of 1986-87 to 1988-89
New South Wales	-8.1	-19.0
Victoria	2.3	-14.0
Queensland	16.4	21.5
South Australia	2.4	-0.4
Western Australia	5.4	-4.1

**WHEAT FOR GRAIN
AREA AND PRODUCTION(a)**



(a) See paragraph 4 of Explanatory Notes

**WHEAT YIELD, AUSTRALIA AND STATES
Tonnes per Hectare**



Nationally, the wheat yield rose 1.9 percent to 1.6 tonnes per hectare compared with the previous year.

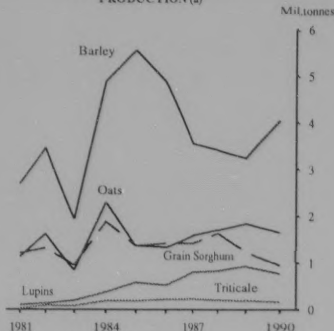
Compared with the average of the previous three years, the wheat yield per hectare increased in South Australia by 45.2 per cent, Queensland by 13.6 per cent, Victoria by 8.4 per cent, Western Australia by 3.8 per cent but decreased in New South Wales by 2.4 per cent. Compared with 1988-89 the wheat yield per hectare increased by 85.6 per cent in South Australia and 13.2 per cent in Victoria with decreases in all the other States.

The total number of establishments growing wheat for grain has decreased by 778 (2.5 per cent) to 30,932. Despite the drop in the number of establishments growing wheat the average area planted to wheat has increased 4.6 per cent to 291.1 hectares, with a production increase of 2.8 million tonnes to 14.2 million tonnes.

Other cereal crops

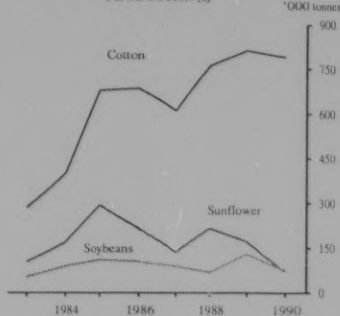
In 1989-90 the area sown to barley for grain was 2.3 million hectares, 5.5 per cent more than in 1988-89. Barley production increased by 24.7 per cent to 4.0 million tonnes. The area planted for grain sorghum was 380.0 thousand hectares (39.2 per cent) lower than the 625.0 thousand hectares planted in 1988-89, with production down by 24.0 per cent to 946 thousand tonnes. Oats showed a decrease in planting to 1.1 million hectares, 16.8 per cent lower than the previous year, with a 10.8 per cent decrease in production to 1.6 million tonnes. The area for triticale, showed a decrease in planting of 27 thousand hectares, 23.3 per cent lower than previous year, with a 17.9 per cent decrease in production to 160 thousand tonnes.

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 1989-90 there was a decrease of 179 thousand hectares (12.2 per cent) in the area planted to legumes, compared with 1988-89. The area planted to lupins fell by 49 thousand hectares or 5.8 per cent to 801 thousand hectares, with a decrease in production of 155 thousand tonnes (16.7 per cent). The area of field peas for grain also declined with a drop of 130 thousand hectares, a 28.5 per cent decrease on last years record area. Consequently production of field peas in 1989-90 also decreased to 388 thousand tonnes, 25.0 per cent lower than the previous year.

Sunflower

The area of the sunflower crop decreased to 66 thousand hectares from 185 thousand hectares the previous year, a 64.3 per cent drop. Production decreased by 57.6 per cent on 1988-89.

Soybeans

The area of soybeans decreased from last years record of 71 thousand hectares to 49 thousand hectares in 1989-90, a decrease of 31.0 per cent. Production decreased 53 thousand tonnes (40.8 per cent) to 77 thousand tonnes.

Cotton

Cotton plantings in 1989-90 rose to 240 thousand hectares, an increase of 46 thousand hectares (23.7 per cent) on 1988-89. Despite the rise in area of cotton plantings, seed cotton production only increased by 23 thousand tonnes (3.0 per cent) compared with 1988-89.

Sugar cane

In 1989-90 the area sown to sugar cane was 397 thousand hectares, the highest figure since 1982-83. Production fell 0.8 per cent from last years record level of 27 million tonnes, to 26.9 million tonnes.

Horticulture

Vegetables

The area of vegetables for human consumption in 1989-90 increased by 5.8 per cent compared with 1988-89.

Production and yield for selected vegetables.

	Percentage change on 1988-89 production	Yield 1989-90 tonnes/ha	Yield percentage change on 1988-89
Capsicum	12.8	14.9	11.3
Cauliflower	11.3	23.8	6.0
Lettuce	0.3	22.2	0.2
Water melon	14.1	14.6	-4.9
Rock melon	-5.5	15.4	-5.1
Mushrooms	9.4	236.6	19.0
Potatoes	12.4	29.0	4.3

A decrease in production was recorded for cabbages and brussel sprouts, down by 11.2 per cent to 84 thousand tonnes, and beetroot fell by 1.6 per cent to 26.3 thousand tonnes. In both cases the fall in production is due to yield decreases of 12.2 per cent and 16.2 per cent respectively.

Fruit

Orange production was up by 87.9 thousand tonnes, a rise of 22.0 per cent on 1988-89. Overall citrus production rose from 499.5 thousand tonnes to 594 thousand tonnes, a rise of 18.9 per cent. Apple production was down by 1.2 per cent. Stone fruit production was up by 9.5 per cent, the main contributors being cherries and nectarines up by 21.3 and 23.4 per cent respectively. Mango production increased by 3,495 tonnes or 60.6 per cent. Bananas, pineapples and passionfruit were the only tropical fruit to decrease in production with drops of 7.9, 8.3 and 14.6 per cent, respectively. Kiwifruit continued to increase significantly (by 32.5 per cent) from 2,462 tonnes in

1988-89 to 3,261 tonnes in 1989-90, with bearing area increasing only 1.3 per cent.

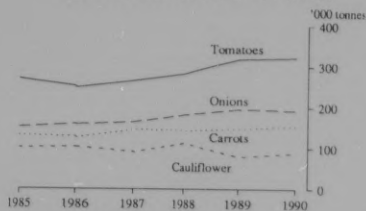
Nuts

The production of almonds increased by 14.0 per cent in 1989-90 compared to 1988-89. Macadamia nut production increased by 26.8 per cent in the same period. However peanut production declined by 28.0 per cent.

Grapes

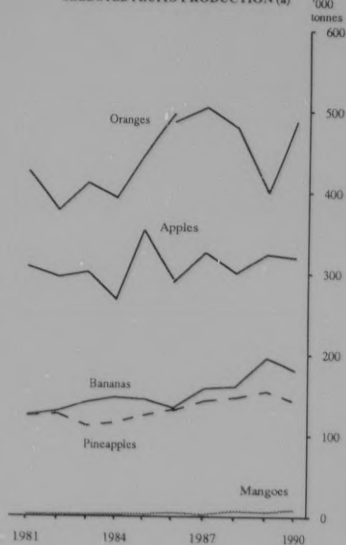
While the area of bearing vines remained relatively stable, grape production fell by 4.1 per cent to 824.3 thousand tonnes. This was the result of only a slight increase in production of grapes for drying, a decrease of 5.8 per cent in production of grapes for wine making and a drop of 6.3 per cent in other grape production.

SELECTED VEGETABLES, PRODUCTION (a)



(a) See paragraph 4 of Explanatory notes

SELECTED FRUITS PRODUCTION (a)



(a) See paragraph 4 of Explanatory Notes

TABLE 1. LAND USE AT 31 MARCH, 1988 TO 1990
(*000 hectares)

	Australia	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Area of crops(a) —									
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	—
1990	16,953	4,077	1,989	2,580	3,042	5,174	83	9	—
Area of sown pastures and grasses —									
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
1990	30,861	6,992	6,504	4,822	3,786	7,724	856	148	28
Total area of establishments with agricultural activity —									
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
1990	466,561	61,984	13,062	152,340	57,480	110,881	1,933	68,820	61
Area of non-agricultural land(b) —									
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
1990	301,723	18,159	9,698	20,360	40,958	141,669	4,897	65,800	183
Total area (agricultural and non-agricultural)	768,284	80,143	22,760	172,700	98,438	252,550	6,830	134,620	243

(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, 1988 TO 1990

	Australia	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
1988	128,629	38,064	12,688	25,717	14,768	13,543	3,504	278	67
1989	127,547	37,809	12,035	25,734	14,565	13,461	3,600	270	73
1990	129,540	37,540	13,306	26,619	14,636	13,410	3,699	257	73
1990 —									
Area of establishments (hectares)									
0(a)	523	211	84	111	56	51	10	—	—
>0- 4	2,845	919	415	626	365	448	57	12	3
5- 9	3,052	719	891	379	696	313	47	6	1
10- 19	4,808	1,347	1,387	752	968	265	81	7	1
20- 29	3,159	855	874	752	424	155	94	5	—
30- 49	5,985	1,220	1,880	1,863	543	231	239	7	2
50- 74	6,684	1,079	2,529	2,114	400	214	345	2	1
75- 99	5,923	1,015	2,450	1,528	351	218	359	—	2
100- 124	5,452	1,079	2,225	1,221	353	245	329	—	—
125- 149	4,783	892	1,996	1,130	280	232	251	2	—
150- 199	7,180	1,714	2,677	1,508	524	404	347	6	—
200- 249	6,560	1,818	2,311	1,210	529	437	249	3	3
250- 299	5,461	1,558	1,904	1,013	478	339	168	—	1
300- 399	8,328	2,707	2,632	1,299	929	553	197	2	9
400- 499	7,266	2,710	1,985	929	547	157	157	2	7
500- 749	12,162	4,770	2,888	1,430	1,806	1,031	222	2	13
750- 999	7,762	3,035	1,559	803	1,175	1,046	134	2	8
1,000- 1,999	14,624	5,321	1,956	1,853	2,094	3,179	197	4	20
2,000- 2,999	5,496	1,633	414	1,082	750	1,520	95	1	1
3,000- 4,999	4,019	1,120	155	1,117	447	1,101	71	8	—
5,000- 9,999	2,719	722	58	1,263	232	394	39	10	1
10,000-19,999	1,869	479	16	1,209	95	59	7	4	—
20,000-49,999	1,570	488	15	958	76	23	4	6	—
50,000 and over	1,310	129	5	469	136	405	—	166	—
Total number of establishments	129,540	37,540	33,306	26,619	14,636	13,410	3,699	257	73

(a) Establishments engaged in beekeeping and processing to 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, 1988 TO 1990
(*000 hectares)

	Australia			1990						
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT
Cereals for grain—										
Barley	2,346	2,190	2,310	413	389	179	900	421	8	—
Canary seed	11	12	12	—	—	12	—	—	—	—
Grain sorghum	745	625	380	138	—	238	—	—	—	4
Maize	56	52	52	17	—	34	—	1	—	—
Oats	1,275	1,309	1,089	365	189	15	172	340	8	—
Panicum & millet	39	26	34	2	30	—	—	—	—	—
Rice	106	97	105	3	8	5	—	—	—	—
Rye	42	35	37	—	—	—	23	3	—	—
Triticale	134	116	89	38	15	13	9	14	1	—
Wheat	9,005	8,827	9,004	2,123	952	894	1,557	3,476	1	—
Total	13,760	13,290	13,113	3,202	1,555	1,421	2,660	4,255	17	4
Legumes for grain—										
Lupins	1,015	850	801	46	36	—	42	676	1	—
Field peas	442	456	326	27	154	—	117	27	—	—
Other	157	166	166	28	47	63	27	1	—	—
Total	1,615	1,473	1,294	101	238	63	187	704	1	—
Crops for hay—										
Barley	25	19	28	4	1	2	13	7	—	—
Oats	228	220	206	27	29	4	56	88	1	—
Wheat	76	71	57	11	5	2	12	26	—	—
Other	15	12	8	1	1	1	2	1	—	—
Total	344	323	297	44	36	10	83	122	1	—
Crops for green feed or silage—										
Barley	91	84	85	30	2	36	10	6	—	—
Forage sorghum	212	182	147	24	1	121	—	1	—	—
Grain sorghum	47	34	27	5	—	22	—	—	—	—
Maize	8	6	8	3	1	3	—	—	—	—
Oats	759	684	633	264	18	266	23	51	11	—
Rye	13	15	15	7	2	—	5	—	—	—
Vegetables for animal feed	25	25	26	4	6	1	1	1	13	—
Wheat	60	35	32	16	1	12	1	2	—	—
Other	95	87	82	20	13	26	3	9	10	—
Total	1,313	1,152	1,053	373	44	486	44	72	34	1
Oilseeds—										
Linseed	8	3	2	1	1	—	—	—	—	—
Rapeseed	58	43	50	33	12	1	4	1	—	—
Safflower	38	47	33	6	22	2	3	—	—	—
Soybean	43	71	49	15	1	33	—	—	—	—
Sunflower	200	185	66	29	3	33	—	—	—	—
Total	348	349	200	84	39	69	7	1	—	—
Vegetables for human consumption	117	119	126	22	30	36	10	9	18	—
Fruit—										
Orchard fruit	91	96	99	34	21	20	17	5	3	—
Tropical and other fruit	18	18	18	5	1	12	—	1	—	—
Grapes	57	58	59	12	19	1	25	2	—	—
Total	166	177	181	55	41	33	41	8	3	—
Other crops—										
Sugar cane (total)	387	394	397	26	—	371	—	—	—	—
Cotton	245	194	240	175	—	65	—	—	—	—
Peanuts	32	22	18	—	—	18	—	—	—	—
Tobacco	5	5	5	—	2	3	—	—	—	—
Other	26	25	27	—	5	5	10	7	4	—
Total	694	640	687	196	7	461	10	2	7	4
Total area used for crops	18,359	17,526	16,953	4,077	1,989	2,580	3,042	5,174	83	9
Pastures—										
Cut for hay	837	1,027	1,021	206	456	34	165	107	51	1
Harvested for seed	101	119	115	14	23	24	32	21	1	1
Cut for green feed or silage	74	75	79	14	32	5	9	12	1	1
Total area of pastures harvested	1,011	1,222	1,215	234	511	62	202	138	64	3
Total area used for crops and pastures	19,370	18,748	18,130	4,273	2,500	2,642	3,245	5,311	147	12

TABLE 4. PRODUCTION OF PRINCIPAL CROPS AND PASTURES, YEARS ENDED 31 MARCH, 1988 TO 1990 ('000 tonnes)

	Australia			1990						
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT
Crops for grain—										
Cereals—										
Barley	3,417	3,242	4,044	656	696	321	1,724	628	19	—
Canary seed	8	9	8	—	—	8	—	—	—	—
Grain sorghum	1,633	1,244	946	359	1	578	—	1	—	7
Maize	208	217	219	98	1	115	—	5	—	1
Oats	1,698	1,838	1,640	504	330	14	250	529	13	—
Panicum & millet	45	21	39	4	3	32	—	—	—	—
Rice	740	748	846	816	—	30	—	—	—	—
Rye	21	17	21	6	5	—	8	2	—	—
Triticale	208	195	160	81	26	27	13	11	3	—
Wheat	12,287	13,935	14,214	3,423	1,961	1,420	2,607	4,800	3	—
Legumes—										
Lupins for grain	855	927	772	66	41	—	45	619	1	—
Field peas for grain	487	517	388	28	198	—	143	18	1	—
Crops for hay—										
Barley	61	48	68	9	2	6	35	17	—	—
Oats	714	749	720	76	113	12	191	334	4	—
Wheat	200	198	159	29	13	4	34	78	1	—
Other	28	85	17	3	3	2	6	2	—	1
Oilseeds—										
Linseed	8	3	2	1	1	—	—	—	—	—
Rapeseed	66	58	78	55	17	—	5	1	—	—
Safflower	25	31	21	3	14	1	2	—	—	—
Soybeans	69	130	77	26	1	50	—	—	—	—
Sunflower	216	172	73	34	5	33	—	1	—	—
Other crops—										
Sugar cane	24,832	27,146	26,940	1,388	—	25,552	—	—	—	—
Cotton—										
Seed cotton	762	769	792	596	—	197	—	—	—	—
Raw cotton (a)	269	278	289	218	—	70	—	—	—	—
Peanuts (in shell)	37	25	18	1	—	18	—	—	—	—
Tobacco	13	11	12	—	5	7	—	—	—	—
Pastures—										
Cut for hay	3,127	3,871	3,977	753	1,835	209	553	380	241	4
Harvested for seed	25	28	27	3	8	1	11	4	—	—

(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, 1988 TO 1990 ('000 tonnes)

	Australia			1990						
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT
Grain stocks—										
Wheat	962.4	1,027.7	954.1	307.9	188.2	48.6	143.5	263.3	2.5	—
Barley	692.7	701.8	654.9	163.2	128.0	54.0	185.7	113.9	10.1	—
Oats	1,366.4	1,550.1	1,610.0	792.8	301.8	15.4	149.9	334.3	15.6	—
Sorghum	188.2	149.2	156.7	—	—	155.9	—	—	—	0.8
Fodder stocks—										
Hay	4,972.0	5,550.1	5,686.9	1,394.8	2,553.5	186.6	713.6	552.8	282.0	1.2
Silage	756.7	975.2	990.8	437.1	239.1	83.8	28.7	89.3	112.0	0.7

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, 1988 TO 1990

	Area of Wheat for grain (Hectares)																Estab- lishments with no wheat for grain	Estab- lishments with wheat for grain	Total number of estab- lishments
	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	1,500- and over			
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	128,629	
1989	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	127,547	
1990 —																			
New South Wales	138	325	560	450	628	1,087	850	1,421	847	852	435	571	439	668	164	126	9,561	37,540	
Victoria	131	273	373	305	397	646	482	856	578	500	260	369	247	235	42	11	5,705	27,601	
Queensland	134	237	255	168	235	370	271	481	285	254	142	196	156	306	98	64	3,652	22,967	
South Australia	102	177	265	263	327	588	528	890	564	524	307	414	365	578	144	83	6,119	8,517	
Western Australia	58	67	68	68	97	183	174	409	369	428	302	589	576	1,355	624	464	5,831	7,579	
Tasmania	31	17	12	3	1	—	—	—	—	—	—	—	—	—	—	—	64	3,635	
Area of establishments (hectares)																			
0(a)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	523	
>0- 4	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	2,844	
5- 9	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3,051	
10- 19	6	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	4,798	
20- 29	8	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	3,149	
30- 49	13	15	11	3	5	—	—	—	—	—	—	—	—	—	—	—	47	5,938	
50- 74	29	20	23	9	10	5	—	—	—	—	—	—	—	—	—	—	96	6,588	
75- 99	18	51	28	13	15	11	7	—	—	—	—	—	—	—	—	—	143	5,780	
100- 124	27	42	50	31	18	20	4	2	—	—	—	—	—	—	—	—	194	5,258	
125- 149	28	59	57	47	49	43	11	17	—	—	—	—	—	—	—	—	311	4,472	
150- 199	38	95	115	82	89	101	43	37	9	—	—	—	—	—	—	—	609	6,571	
200- 249	61	81	168	112	133	198	78	94	11	12	—	—	—	—	—	—	948	5,612	
250- 299	56	97	127	124	154	229	173	107	32	16	8	—	—	—	—	—	1,123	4,338	
300- 399	73	178	226	162	249	435	309	356	117	40	13	14	1	—	—	—	2,173	6,155	
400- 499	58	116	180	167	219	401	329	551	227	109	18	32	11	1	—	—	2,399	4,867	
500- 749	62	151	234	211	303	594	553	1,106	704	490	174	135	40	17	—	—	4,774	7,388	
750- 999	42	64	116	114	169	313	289	616	502	549	305	318	123	63	—	—	3,583	4,179	
1,000- 1,999	51	94	145	141	198	371	369	801	737	907	652	1,091	925	1,011	76	7	7,576	7,048	
2,000- 2,999	15	15	31	20	42	85	83	227	151	219	156	303	367	1,097	315	58	3,184	2,312	
3,000- 4,999	5	10	14	13	21	36	33	104	92	145	67	159	201	647	442	270	2,259	1,760	
5,000- 9,999	2	2	7	5	8	23	16	44	42	52	34	61	78	227	172	310	1,083	1,636	
10,000-19,999	—	—	—	2	3	7	6	11	13	15	15	21	26	60	52	68	299	1,570	
20,000-49,999	—	—	—	1	—	2	2	3	6	3	4	5	10	15	13	27	91	1,479	
50,000 and over	—	—	1	—	—	—	—	1	—	1	—	—	1	4	2	8	18	1,292	
Total number of establishments	594	1,096	1,533	1,257	1,685	2,874	2,305	4,057	2,643	2,558	1,446	2,139	1,783	3,142	1,072	748	30,932	98,608	

(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, 1988 TO 1990
(⁰⁰⁰ hectares)

	Australia			1990							
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Cut for hay—											
Lucerne	147.1	153.0	137.9	69.1	25.6	20.5	19.1	1.8	1.5	0.1	0.1
Other	690.0	874.8	883.8	137.3	430.0	13.8	146.3	105.3	49.2	1.4	0.5
Total	837.0	1,027.9	1,021.6	206.4	455.6	34.3	165.5	107.1	50.7	1.4	0.5
Harvested for seed—											
Lucerne	18.4	18.9	17.6	3.1	0.6	—	13.8	—	—	—	—
Clovers—											
Subterranean	27.2	35.7	26.6	4.6	3.9	—	5.5	12.5	—	—	—
Other	5.8	5.1	7.8	0.5	3.3	—	3.8	0.1	0.1	—	—
Lupins	3.3	4.1	1.9	—	—	—	—	1.9	—	—	—
Barrel medic	7.1	11.5	10.5	0.1	0.8	—	5.2	4.5	—	—	—
Phalaris tuberosa	2.3	3.5	3.9	1.9	0.7	—	1.3	—	—	—	—
Rhodes grass	1.6	3.0	2.9	0.4	—	2.4	—	—	—	—	—
Ryegrass (wimmera, perennial, etc.)	13.2	12.2	10.2	0.9	8.1	—	—	0.1	1.0	—	—
Other	21.7	25.3	34.1	2.3	5.8	21.0	2.0	2.2	0.2	0.6	—
Total	100.7	119.3	115.5	13.8	23.3	23.5	31.7	21.4	1.3	0.6	—
Cut for green feed or silage—											
Lucerne	10.1	8.6	8.6	4.2	2.1	1.1	0.8	0.4	0.1	—	—
Other	63.6	66.6	70.1	10.1	29.9	3.6	4.6	9.0	12.2	0.8	—
Total	73.6	75.2	78.7	14.2	32.0	4.6	5.4	9.4	12.3	0.8	—
Total area of pastures	1,011.4	1,222.3	1,215.8	234.4	510.9	62.4	202.5	137.9	64.3	2.8	0.5

TABLE 8. PRODUCTION OF PASTURES AND GRASSES, YEARS ENDED 31 MARCH, 1988 TO 1990
(⁰⁰⁰ tonnes)

	Australia			1990							
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Cut for hay—											
Lucerne	792.2	782.3	728.9	321.6	138.8	161.1	89.3	10.4	6.9	0.3	0.5
Other	2,334.7	3,088.8	3,247.6	431.8	1,696.3	47.6	464.0	369.9	234.1	3.6	0.3
Total	3,126.9	3,871.1	3,976.5	753.4	1,835.1	208.7	553.3	380.2	241.0	3.9	0.8
Harvested for seed—											
Lucerne	4.3	4.3	4.8	0.4	—	—	4.3	—	—	—	—
Clovers—											
Subterranean	7.2	9.4	8.0	1.2	1.4	—	3.1	2.3	—	—	—
Other	1.4	1.2	2.0	0.1	0.8	—	1.1	—	—	—	—
Lupins	0.7	0.9	0.5	—	—	—	—	0.5	—	—	—
Barrel medic	1.3	2.1	2.6	—	0.2	—	1.7	0.7	—	—	—
Phalaris tuberosa	0.3	0.6	0.6	0.1	0.1	—	0.4	—	—	—	—
Rhodes grass	0.1	0.2	0.2	—	—	0.2	—	—	—	—	—
Ryegrass (wimmera, perennial, etc.)	5.8	5.3	4.6	0.1	4.0	—	—	—	0.4	—	—
Other	3.9	4.3	4.1	0.5	1.8	0.9	0.5	0.3	0.1	—	—
Total	25.0	28.3	27.4	2.6	8.4	1.1	11.0	3.8	0.5	—	—
Silage made (a)	878.2	824.6	723.2	170.6	223.3	71.7	34.2	90.8	129.4	3.2	0.1

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

TABLE 9. AREA OF VEGETABLES FOR HUMAN CONSUMPTION, YEARS ENDED 31 MARCH, 1988 TO 1990 (Hectares)

	Australia			1990							
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Asparagus	1,816	1,967	1,811	833	833	85	3	45	11	2	—
Beans, french and runner	6,010	6,974	7,330	512	855	4,302	21	175	1,464	—	—
Beetroot	992	902	1,061	98	33	925	3	1	—	—	—
Broccoli	3,913	4,006	4,218	376	1,580	1,452	398	164	248	—	—
Cabbages and brussels sprouts	2,771	2,588	2,615	577	844	461	329	201	198	4	n.p.
Capsicum, chillies and peppers	1,187	1,250	1,268	47	115	934	46	105	2	19	—
Carrots	4,595	4,754	4,751	694	1,287	1,091	454	790	435	—	—
Cauliflower	3,407	3,547	3,725	685	1,206	462	340	724	309	—	n.p.
Celery	953	965	917	4	416	275	65	131	26	—	—
Cucumbers	1,240	1,470	1,262	312	26	756	57	106	2	3	—
Green peas—											
Processing	10,647	11,166	12,653	1,203	1,849	1,391	255	1,427	6,527	—	—
Sold in pod	642	723	657	434	93	97	19	6	8	—	—
Lettuce	3,914	4,013	4,020	585	1,371	1,203	369	403	75	15	—
Marrows, squashes and zucchinis	1,505	1,496	1,366	249	54	940	50	44	3	25	—
Melons—											
Water	3,196	3,376	4,039	207	82	3,279	48	393	—	31	—
Rock and cantaloupe	2,963	2,955	2,948	889	161	1,003	279	351	—	265	—
Mushrooms	76	99	91	52	13	11	7	7	1	—	—
Onions, white and brown	5,041	5,387	5,083	887	399	973	1,107	471	1,246	—	—
Parsnips	279	349	308	124	123	3	13	21	24	—	—
Potatoes	39,840	37,524	40,640	6,666	13,319	6,224	5,082	2,497	6,852	—	—
Pumpkins	6,407	5,934	7,024	1,457	517	4,003	403	504	76	63	—
Sweet corn	4,081	5,144	5,177	2,513	780	1,457	57	90	280	—	—
Tomatoes	8,353	9,140	9,604	1,813	3,225	4,091	200	250	15	8	1
Turnips, swede and white	361	400	344	56	47	24	38	14	165	—	—
Other vegetables	2,521	2,674	2,841	476	622	880	244	207	377	35	—
Total area	116,712	118,903	125,752	21,748	29,851	36,326	9,887	9,127	18,345	469	1

TABLE 10. PRODUCTION OF VEGETABLES FOR HUMAN CONSUMPTION, YEARS ENDED 31 MARCH, 1988 TO 1990 (Tonnes)

	Australia			1990							
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Asparagus	6,145	5,978	5,767	2,267	3,041	375	3	66	14	1	—
Beans, french and runner	32,728	35,503	38,413	2,020	5,341	17,134	139	1,513	12,265	—	—
Beetroot	27,533	26,711	26,285	3,024	421	22,757	58	25	—	—	—
Broccoli	20,217	23,010	23,071	1,608	7,748	7,851	1,533	2,368	1,963	n.p.	—
Cabbages and brussels sprouts	80,490	94,290	83,713	16,410	28,115	14,116	10,512	9,918	4,565	77	n.p.
Capsicum, chillies and peppers	15,258	16,739	18,888	505	2,311	13,677	616	1,713	11	55	—
Carrots	144,018	148,675	154,852	15,263	48,625	25,151	13,422	30,942	21,450	—	—
Cauliflower	112,240	79,631	88,603	12,260	28,668	9,453	15,322	17,438	5,461	n.p.	—
Celery	48,584	46,891	47,662	30	19,644	14,298	5,128	7,901	661	—	—
Cucumbers	17,766	17,168	17,001	2,811	760	8,380	3,104	1,849	37	59	—
Green peas—											
Processing	42,994	45,989	49,841	4,952	4,928	5,680	359	3,470	30,453	—	—
Sold in pod	1,226	1,077	1,021	511	155	250	55	17	33	—	—
Lettuce	85,728	88,930	89,232	7,024	28,613	31,878	6,803	13,898	835	180	—
Marrows, squashes and zucchinis	8,544	9,275	9,284	1,682	439	6,000	576	461	43	82	—
Melons—											
Water	50,562	51,820	59,124	2,963	2,170	43,303	953	9,230	—	505	—
Rock and cantaloupe	49,373	47,924	45,284	12,183	2,492	16,296	5,239	5,820	—	3,255	—
Mushrooms	18,258	19,684	21,534	8,048	8,910	1,843	1,707	776	251	—	—
Onions, white and brown	181,711	196,280	192,526	21,031	9,221	22,555	48,616	25,399	65,705	—	—
Parsnips	5,527	6,527	6,214	2,683	2,598	30	203	309	391	—	—
Potatoes	1,081,538	1,048,005	1,177,877	130,109	368,409	121,909	161,257	98,705	297,488	—	—
Pumpkins	71,816	73,270	82,973	16,960	8,690	39,648	7,274	8,013	1,459	929	—
Sweet corn	52,418	64,469	65,238	36,012	10,527	11,557	811	909	5,421	1	—
Tomatoes	282,551	318,618	322,060	69,156	136,901	100,150	7,888	7,070	767	126	1
Turnips, swede and white	4,472	6,486	5,981	649	835	330	962	198	3,007	—	—

TABLE 11. AREA OF FRUIT, YEARS ENDED 31 MARCH, 1988 TO 1990
(⁰⁰⁰ hectares)

	Australia			1990					
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.
Orchard fruit—									
Citrus	28.3	28.5	31.9	15.3	4.3	3.0	8.3	1.0	—
Pome—									
Apples	19.1	19.8	18.7	4.7	4.5	2.8	1.7	2.3	2.7
Pears and other pome	5.9	6.4	6.4	0.8	4.3	0.3	0.5	0.5	0.1
Stone and other	27.5	29.7	28.9	8.3	5.6	9.7	3.8	1.3	0.1
Nuts	10.4	11.9	13.3	4.5	2.3	3.8	2.5	0.2	—
Total	91.2	96.4	99.3	33.6	21.1	19.6	16.7	5.2	2.9
Tropical and other fruit—									
Bananas	9.2	9.3	9.1	4.1	—	4.5	—	0.4	—
Pineapples	6.3	6.7	6.5	—	—	6.5	—	—	—
Other	2.6	2.4	2.4	0.4	0.6	1.0	0.1	0.1	0.2
Total	18.1	18.4	18.0	4.5	0.6	11.9	0.1	0.5	0.2
Total area of orchard, tropical and other fruit	109.3	119.8	121.8	42.6	21.7	31.6	16.9	5.7	3.1
Grapes	56.9	57.7	59.2	12.3	18.9	1.0	24.6	2.0	0.2
Total area of fruit	166.6	172.6	176.8	50.4	40.6	32.6	41.5	7.7	3.2

TABLE 12. AREA OF VINES AND PRODUCTION OF GRAPES (a),
YEARS ENDED 31 MARCH 1988 TO 1990

	Area of vines at harvest			Grubbings (actual and/or intended) — hectares —	Production of grapes used for.			
	Bearing	Not yet bearing — hectares —	Total		Wine- making — tonnes (fresh weight) —	Drying	Other	Total
Australia—								
1988	53,662	3,209	56,871	1,099	460,148	252,612	46,057	798,817
1989	53,771	3,936	57,709	947	562,942	248,294	47,929	859,165
1990	53,914	5,277	59,244	(b)	530,265	249,082	44,914	824,261
1990—								
New South Wales	11,117	1,151	12,318	(b)	118,598	38,527	8,354	165,479
Victoria	17,648	1,265	18,916	(b)	85,225	187,934	27,350	300,509
Queensland	964	81	1,045	(b)	416	—	3,807	4,223
South Australia	22,295	2,351	24,647	(b)	316,423	21,562	2,799	340,783
Western Australia	1,701	338	2,039	(b)	8,911	1,059	1,858	11,827
Tasmania	105	79	184	(b)	693	—	—	693
Northern Territory	84	10	94	(b)	—	—	746	746
Australian Capital Territory	1	—	1	(b)	—	—	—	—

(a) Varietal information is available in 'Viticulture, Australia,' Catalogue No. 7310.0. The 1989-90 issue was published on 21 December 1990. (b) Information relating to grubbings was not collected for 1989-90

TABLE 13. NUMBER OF TREES AND PRODUCTION OF ORCHARD FRUIT, YEARS ENDED 31 MARCH, 1988 TO 1990

	Australia			1990					
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.
TREES 6 YEARS AND OVER ('000)									
Citrus—									
Oranges	5,047	5,244	5,384	2,621	848	167	1,645	102	—
Lemons and limes	387	383	348	136	80	27	90	15	—
Mandarins	379	418	456	75	54	212	85	30	—
Grapefruit	260	248	263	105	74	7	69	8	—
Pome—									
Apples	4,377	4,401	4,601	1,230	1,082	585	325	472	907
Pears	1,335	1,336	1,383	82	1,075	49	73	85	19
Stone—									
Apricots	492	514	545	27	146	25	319	13	16
Cherries	348	327	351	240	71	—	30	6	4
Nectarines	230	257	330	102	87	81	18	39	3
Peaches	1,053	1,056	1,124	339	489	109	127	59	1
Plums and prunes	605	625	726	380	104	118	59	65	—
Other orchard, N.E.I.—									
Avocados	217	267	304	82	21	181	11	10	—
Custard apples	23	28	37	15	—	22	—	—	—
Mangoes	107	161	191	7	—	154	—	7	—
Olives	74	74	68	3	48	—	17	—	—
Nuts—									
Almonds	540	568	649	—	199	—	450	—	—
Macadamia	493	662	730	405	—	325	—	—	—
TOTAL NUMBER OF TREES ('000)									
Citrus—									
Oranges	6,873	7,122	7,187	3,522	1,133	249	2,096	187	—
Lemons and limes	505	530	485	210	91	68	97	18	—
Mandarins	674	760	831	130	98	413	141	48	—
Grapefruit	290	282	299	119	83	10	72	15	—
Pome—									
Apples	6,555	6,810	7,023	1,807	1,788	768	633	687	1,340
Pears	1,779	2,028	2,201	256	1,565	57	127	169	28
Stone—									
Apricots	761	823	893	43	268	38	502	19	24
Cherries	611	616	688	120	159	1	17	15	15
Nectarines	764	919	993	419	208	192	47	116	12
Peaches	1,867	2,004	2,035	731	767	218	202	114	3
Plums and prunes	1,066	1,120	1,219	534	191	246	100	146	1
Other orchard, N.E.I.—									
Avocados	454	462	472	117	33	276	15	36	—
Custard apples	68	75	76	26	—	49	—	—	—
Mangoes	390	493	554	28	—	457	—	19	—
Olives	82	83	74	4	51	—	20	—	—
Nuts—									
Almonds	832	932	993	14	406	1	571	—	—
Macadamia	938	1,284	1,604	869	—	734	—	—	—
PRODUCTION (Tonnes)									
Citrus—									
Oranges	478,918	399,248	487,177	219,136	70,357	18,831	174,351	4,503	—
Lemons and limes	33,929	34,783	36,001	10,236	7,468	3,310	13,879	1,105	—
Mandarins	35,681	36,276	40,394	4,197	4,078	24,003	7,111	1,004	—
Grapefruit	33,170	29,234	30,474	10,957	7,123	1,170	10,498	723	—
Pome—									
Apples	299,807	323,045	319,403	69,052	94,098	32,431	21,709	44,835	57,279
Pears	162,034	142,119	164,248	5,926	142,419	2,751	5,097	7,192	864
Stone—									
Apricots	28,355	27,945	29,685	1,458	9,279	450	17,959	417	122
Cherries	4,568	3,881	4,708	2,907	1,291	—	399	55	57
Nectarines	7,954	8,131	10,034	2,014	3,393	1,551	678	1,425	73
Peaches	66,020	51,917	57,999	12,509	32,456	2,068	8,800	2,157	10
Plums and prunes	18,383	19,877	19,926	9,645	3,411	2,625	1,531	2,712	3
Other Orchard, N.E.I.—									
Avocados	9,798	11,082	11,414	2,874	382	7,471	378	308	—
Custard apples	874	1,109	966	313	—	652	—	—	—
Mangoes	6,991	5,767	9,262	92	—	8,306	—	342	—
Olives	597	523	534	10	183	—	341	1	—
Nuts—									
Almonds (in shell)	5,923	5,718	6,516	1	3,792	—	2,723	1	—
Macadamia	3,874	4,544	5,761	3,196	—	2,564	—	—	—

TABLE 14. AREA AND PRODUCTION OF TROPICAL AND OTHER FRUIT,
YEARS ENDED 31 MARCH, 1988 TO 1990

	Australia			1989						
	1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT
BEARING AREA (Hectares)										
Tropical—										
Bananas	7,969	7,941	7,924	3,697	—	3,802	—	366	—	59
Papaws	352	367	335	5	—	326	—	3	—	—
Pine apples	3,766	4,083	3,979	1	—	3,978	—	—	—	1
Other—										
Currants (black, red)	130	107	100	6	2	—	—	—	92	—
Kiwifruit	496	375	380	118	197	36	10	19	—	—
Passionfruit	215	206	185	40	—	143	—	2	—	—
Raspberries	149	166	165	9	116	—	3	2	34	—
Strawberries	422	382	425	23	174	87	81	48	13	—
TOTAL AREA (Hectares)										
Tropical—										
Bananas	9,195	9,319	9,092	4,079	—	4,503	—	432	—	77
Papaws	505	585	541	14	—	522	—	4	—	—
Pine apples	6,269	6,660	6,461	1	—	6,458	—	—	—	3
Other—										
Currants (black, red)	151	132	125	6	2	—	—	—	116	—
Kiwifruit	840	457	420	126	206	48	10	30	—	—
Passionfruit	273	360	326	147	—	173	—	5	—	—
Raspberries	166	191	192	9	135	1	4	2	40	—
Strawberries	594	484	537	40	204	134	89	52	17	—
PRODUCTION (Tonnes)										
Tropical—										
Bananas	160,137	195,762	180,290	61,424	—	106,750	—	11,268	—	848
Papaws	4,473	5,099	5,100	60	—	5,022	—	13	—	4
Pine apples	146,500	154,440	141,603	2	—	141,584	—	—	—	17
Other—										
Currants (black, red)	491	380	419	—	1	—	—	—	418	—
Kiwifruit	1,567	2,462	3,261	604	2,239	137	88	194	—	—
Passionfruit	3,662	2,831	2,419	852	—	1,559	—	8	—	—
Raspberries	517	519	572	12	376	—	17	2	166	—
Strawberries	4,866	4,721	5,030	207	1,665	1,155	983	950	69	—

TABLE 15. PRINCIPAL CROPS AND PASTURES ARTIFICIALLY FERTILISED, AREA FERTILISED, TYPE AND QUANTITY USED, YEARS ENDED 31 MARCH 1988 TO 1990

	Unit	Australia			1990							
		1988	1989	1990	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
Sown and native pastures—												
Area fertilised	000 ha	13,231	15,331	14,888	3,546	3,041	208	1,927	5,691	468	4	8
Type of fertiliser used—												
Superphosphate	'000 t	1,565	1,760	1,664	410	330	25	202	628	68	—	1
Nitrogenous	"	30	60	62	18	12	21	3	7	1	—	—
Other (a)	"	288	309	292	14	178	11	18	43	28	—	—
Wheat—												
Area fertilised	000 ha	7,307	7,057	7,215	1,334	832	283	1,433	3,333	1	—	—
Type of fertiliser used—												
Superphosphate	'000 t	367	338	319	48	71	4	75	121	—	—	—
Nitrogenous	"	84	100	122	30	5	14	7	65	—	—	—
Other (a)	"	262	283	314	49	21	4	55	187	—	—	—
Sugar cane (b)—												
Area fertilised	000 ha	297	296	306	—	—	306	—	—	—	—	—
Type of fertiliser used—												
Superphosphate	'000 t	19	16	16	—	—	16	—	—	—	—	—
Nitrogenous	"	93	90	89	—	—	89	—	—	—	—	—
Other (a)	"	102	104	119	—	—	119	—	—	—	—	—
All other crops—												
Area fertilised	000 ha	5,816	5,187	4,951	1,149	761	507	1,058	1,402	62	7	—
Type of fertiliser used—												
Superphosphate	'000 t	503	409	379	54	81	18	70	144	12	—	—
Nitrogenous	"	204	189	211	92	14	72	14	16	2	—	—
Other (a)	"	301	275	284	57	42	46	53	63	20	—	—
Total crops—												
Area fertilised	000 ha	26,651	27,871	27,360	6,029	4,634	1,303	4,418	10,426	530	12	8
Type of fertiliser used—												
Superphosphate	'000 t	2,454	2,523	2,378	512	481	63	346	892	80	1	1
Nitrogenous	"	431	438	483	140	32	196	24	88	3	1	—
Other (a)	"	953	971	1,010	120	241	180	126	293	48	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'.

TABLE 16. NURSERY, CUT FLOWERS AND CULTIVATED TURF STATISTICS, SUMMARY, 1989-90

	Unit	NSW	Vic.	Qld	SA	WA	Tas.	Australia
<i>Establishments engaged in—</i>								
Cultivated turf	No.	58	13	96	2	11	1	181
Cut flowers	No.	211	183	201	40	144	58	837
Nursery	No.	451	248	623	83	140	73	1,618
<i>Area (incl. covered areas) used to grow—</i>								
Cultivated turf	Ha.	959	432	1,978	26	104	30	3,529
Cut flowers	Ha.	356	1,584	357	159	1,342	60	3,858
Nursery material	Ha.	958	993	976	246	425	181	3,780
<i>Covered areas used for cut flowers—</i>								
Hot houses	'000 sqm	402	579	121	70	176	44	1,393
Shade houses	'000 sqm	62	61	41	8	23	14	209
<i>Nursery material—</i>								
Hot houses	'000 sqm	391	377	278	121	196	44	1,407
Shade houses	'000 sqm	464	171	996	109	240	44	2,025
<i>Value of sales—</i>								
Cultivated turf	\$'000	12,858	5,114	13,281	410	4,487	445	36,595
Cut flowers	\$'000	11,491	24,866	13,592	2,647	10,223	5,503	68,322
Nursery	\$'000	59,125	72,263	74,055	17,657	37,653	9,258	270,012
<i>Total purchases—</i>								
Nursery material	\$'000	11,436	8,642	15,217	2,734	5,394	1,442	44,865

TABLE 17. AREA AND VALUE OF SALES OF CUT FLOWERS, 1989-90

	NSW	Vic.	Qld	SA	WA	Tas.	Australia
<i>Area (hectares) —</i>							
Camations	29	78	17	11	26	5	166
Chrysanthemums	38	37	49	10	15	3	152
Daffodils	6	194	1	1	3	14	219
Gladioli	18	48	41	1	11	1	120
Kangaroo Paw	4	—	10	1	122	2	138
Geraldton wax	6	36	103	5	543	—	693
Orchids	30	2	7	2	1	1	42
Proteas	42	104	22	26	105	6	305
Roses	39	17	20	4	11	1	92
Other natives	16	202	24	45	445	2	734
Other n.e.c.	128	866	63	53	60	25	1,195
Total	356	1,584	357	159	1,342	60	3,858
<i>Value of sales (\$'000) —</i>							
Camations	1,856	5,557	3,510	785	2,524	1,172	15,403
Chrysanthemums	969	905	3,460	97	1,180	202	6,814
Daffodils	13	1,889	6	3	29	74	2,013
Gladioli	552	893	1,042	19	103	12	2,620
Kangaroo Paw	129	7	81	1	210	16	444
Geraldton wax	115	92	697	114	267	—	1,285
Orchids	820	100	113	7	21	18	1,078
Proteas	150	496	184	202	287	61	1,380
Roses	3,024	4,585	2,017	894	3,018	3,019	16,557
Other natives	68	659	162	189	414	18	1,510
Other n.e.c.	3,796	9,684	2,321	336	2,170	911	19,218
Total	11,491	24,866	13,592	2,647	10,223	5,503	68,322

TABLE 18. VALUE OF PURCHASES AND SALES OF NURSERY MATERIAL, 1989-90 (\$'000)

	NSW	Vic.	Qld	SA	WA	Tas.	Australia
<i>Value of purchases —</i>							
Bulbs	83	1,729	28	34	55	216	2,146
Fruit trees and vines	360	1,020	428	338	212	128	2,486
Orchid plants	192	8	551	9	53	4	816
Rose bushes	305	262	368	66	94	22	1,118
Seedlings	98	730	1,283	333	805	181	3,430
Flower seed	612	156	473	308	24	53	1,625
Vegetable seed	82	95	171	289	275	26	939
Tubestock	950	670	2,322	606	145	243	4,936
<i>Other shrubs and trees —</i>							
Australian native	1,654	957	1,669	188	1,236	128	5,832
Exotic	2,439	1,830	1,390	258	1,078	324	7,320
Ferns and indoor plants	2,341	183	3,845	120	321	42	6,852
House plants (non-flowering)	1,607	113	1,471	79	406	30	3,706
Potted flowers	357	116	399	76	463	16	1,428
Other	373	901	818	31	226	28	2,378
Total	11,436	8,642	15,217	2,734	5,394	1,442	44,865
<i>Value of sales —</i>							
Bulbs	227	7,165	173	218	83	419	8,284
Fruit trees and vines	4,207	5,658	3,965	1,846	772	635	17,084
Orchid plants	693	21	1,764	347	718	21	3,564
Rose bushes	2,339	1,790	530	929	1,778	66	7,432
Seedlings	1,148	13,349	5,960	3,207	6,568	1,672	31,903
Flower seed	1,235	1,181	1,032	2,181	120	51	5,800
Vegetable seed	103	867	89	2,025	1,342	11	4,438
Tubestock	5,230	7,817	7,943	897	1,785	741	24,413
<i>Other shrubs and trees —</i>							
Australian native	9,662	7,405	7,371	1,592	7,885	1,655	35,570
Exotic	15,100	16,662	9,297	1,950	6,284	1,964	51,257
Ferns and indoor plants	9,599	984	18,556	491	2,968	445	33,044
House plants (non-flowering)	5,180	1,245	10,886	796	2,432	513	21,053
Potted flowers	3,547	2,788	2,778	805	2,889	717	13,524
Other	1,526	5,345	3,710	371	2,030	348	13,331
Total	59,125	72,263	74,055	17,657	37,653	9,258	270,012

TABLE 19. AREA OF CROPS AND PASTURES IRRIGATED, BY METHOD OF IRRIGATION, YEAR ENDED 31 MARCH 1990
(Hectares)

<i>Crops and pastures</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>Australia</i>
SPRAYS (excluding micro-sprays)							
Pure lucerne	21,229	2,982	12,643	10,077	653	627	48,245
Other pastures (sown or native)	37,649	12,138	22,523	15,100	1,178	14,650	103,314
Cereals for all purposes	15,045	936	13,136	1,588	17	1,564	32,286
Vegetables for human consumption	10,431	14,420	16,257	6,350	3,550	12,909	64,071
Fruit (including grapevines)	6,416	6,972	5,927	14,178	1,129	610	35,275
All other crops	16,250	3,198	63,758	2,942	427	3,621	90,315
Total	107,021	40,645	134,245	50,236	6,953	33,980	373,506
FLOOD AND OR FURROWS							
Pure lucerne	20,617	11,590	159	6,936	45	79	39,426
Other pastures (sown or native)	362,039	434,566	8,841	19,832	9,342	4,730	839,353
Cereals for all purposes	152,672	9,619	20,626	745	1,004	—	184,696
Vegetables for human consumption	4,107	3,717	2,615	156	537	5	11,139
Fruit (including grapevines)	10,598	11,894	266	4,278	182	44	27,262
All other crops	130,785	2,714	110,285	961	2,012	179	247,117
Total	680,819	474,100	142,793	32,909	13,123	5,037	1,348,994
TRICKLE AND OR MICRO-SPRAYS							
Pure lucerne	—	51	—	—	—	—	51
Other pastures (sown or native)	—	813	—	—	—	—	813
Cereals for all purposes	—	41	—	—	—	—	41
Vegetables for human consumption	495	816	4,315	551	536	59	7,008
Fruit (including grapevines)	10,200	9,642	6,932	11,878	3,425	1,229	43,436
All other crops	699	309	1,090	235	852	39	3,466
Total	11,394	11,672	12,337	12,664	4,813	1,326	54,814
MULTIPLE AND OTHER METHODS							
Pure lucerne	749	—	917	429	48	4	2,154
Other pastures (sown or native)	9,099	—	3,347	817	701	1,499	15,470
Cereals for all purposes	2,991	—	2,307	168	26	133	5,623
Vegetables for human consumption	428	—	2,180	337	963	1,755	5,663
Fruit (including grapevines)	495	—	1,074	1,227	347	178	3,329
All other crops	490	—	12,902	120	115	175	13,816
Total	14,250	—	22,727	3,098	2,200	3,743	46,055
TOTAL							
Pure lucerne	42,595	14,622	13,719	17,441	746	710	89,876
Other pastures (sown or native)	408,787	447,516	34,711	35,750	11,221	20,878	958,950
Cereals for all purposes	170,707	10,596	36,069	2,501	1,047	1,697	222,646
Vegetables for human consumption	15,461	18,953	25,368	7,395	5,587	14,727	87,880
Fruit (including grapevines)	27,709	28,508	14,199	31,561	5,082	2,061	109,302
All other crops	148,224	6,221	188,035	4,258	3,406	4,013	354,714
Total (a)	819,843	526,417	312,102	98,959	29,060	44,087	1,831,813

(a) Includes irrigation methods not stated

TABLE 20. AREA IRRIGATED, BY SOURCE OF WATER USED, YEAR ENDED 31 MARCH 1990
(Hectares)

	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>Australia</i>
<i>Surface water —</i>							
From State irrigation schemes	399,204	418,439	89,626	16,886	13,124	3,612	940,917
From other schemes (including private group schemes) —							
Direct from rivers, creeks, lakes etc.	351,876	59,968	65,455	19,626	1,823	16,559	515,699
From dam dams	18,960	25,388	40,856	4,618	6,116	22,267	118,208
Total surface water	770,040	503,795	195,937	41,131	21,064	42,439	1,574,824
<i>Other water sources —</i>							
Underground water supply (bore, well etc.)	48,514	19,848	115,806	55,953	7,462	1,472	249,804
Reticulated water supply (town or country)	1,289	2,774	358	1,876	534	176	7,083
Total other water sources	49,803	22,622	116,165	57,828	7,996	1,648	256,887
Total all water sources	819,843	526,417	312,102	98,959	29,060	44,087	1,831,813

EXPLANATORY NOTES

Scope and coverage

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 EVAO between \$5,000 and \$19,999.

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 1989-90 season relates to the harvesting period October 1989 to February 1990. Statistics of other crops which in some states are harvested after 31 March 1990 (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, 1989-90 (7102.0)

Principal Agricultural Commodities, Australia, Preliminary 1990-91, Agricultural Production and Farmers' Intentions for the 1991-92 Season (7111.0)

Value of Agricultural Commodities Produced, Australia, 1989-90 (7503.0)

Viticulture, Australia, 1989-90 (7310.0)

Other forms of release

7. The ABS also has more detailed agricultural statistics on 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
n.c.	not collected
n.p.	not published



For more information ...

The ABS publishes a wide range of information on Australia's economic and social conditions. A catalogue of publications and products is available from any of our Offices (see below for contact details).

Information Consultancy Service

Special tables or in-depth data investigations are provided by the ABS Information Consultancy Service in each of our Offices (see below for contact details).

Electronic Data Services

A growing range of our data are available on electronic media. Selections of the most frequently requested data are available, updated daily, on DISCOVERY (Key *656#). Our TELESTATS service delivers major economic indicator publications ready to download into your computer on the day of release. Our PC-AUSSTATS service enables on-line access to a data base of thousands of up-to-date time series. Selected datasets are also available on diskette or CD-ROM. For more details on our electronic data services, contact Information Services in any of our Offices on the numbers below.

Bookshops and Subscriptions

There are over 500 titles available from the ABS Bookshops in each of our Offices. You can also receive any of our publications on a regular basis. Join our subscription mailing service and have your publications mailed to you in Australia at no additional cost. Telephone our Publications Subscription Service toll free on 008 02 06 08 Australia wide.

Sales and Inquiries



SYDNEY (02) 268 4611
MELBOURNE (03) 615 7000
BRISBANE (07) 222 6351
PERTH (09) 323 5140

ADELAIDE (08) 237 7100
HOBART (002) 20 5800
DARWIN (089) 81 3456
CANBERRA (06) 252 6627



Information Services, ABS, PO Box 10, Belconnen ACT 2616
or any ABS State office.



2073300006902

ISSN 1033-8772