1999–2000 7121.0

Australian Bureau of Statistics

AGRICULTURAL COMMODITIES

AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) WED 27 JUNE 2001

CONTENTS

page

Notes 2

SUMMARY OF FINDINGS

Industry structure 3
Crops 4
Horticulture 6
Livestock 8

TABLES

List of tables 10
Structure of agricultural industry 11
Crops and pastures 14
Horticulture 16
Livestock 21

ADDITIONAL INFORMATION

Explanatory Notes 25

■ For more information about these and related statistics, contact Debbie Thomas on Hobart 03 6222 5948 or refer to the National Information Service on 1300 135 070.

NOTES

ABOUT THIS PUBLICATION

This publication contains final estimates for the main commodities collected in the Agricultural Commodity Survey (ACS). These include broadacre crops, fruit and vegetables as well as livestock.

A national compendium publication, *Agriculture, Australia* (Cat. no. 7113.0) will be released in October. For further information about the release of statistics from the ACS please contact Debbie Thomas on Hobart 03 6222 5948.

CHANGES IN THIS ISSUE

Estimates in this publication are based on information obtained from the Agricultural Commodity Survey (ACS) conducted at 30 June 2000. Prior to 2000 information was obtained for the period ending 31 March. The ABS has changed the collection period to 30 June to better align with other ABS surveys. A study of respondent data indicated that there should be no significant difference in estimates collected because of the different reference period.

ABBREVIATIONS AND SYMBOLS

ABS	Australian Bureau of Statistics
ACS	Agricultural Commodity Survey
ANZSIC	Australian and New Zealand Standard Industrial Classification
EVAO	estimated value of agricultural operations
ha	hectare
kg	kilogram
n.e.c.	not elsewhere classified
n.p.	not available for publication but included in totals where applicable
no.	number
r	figure or series revised since previous issue
RSE	relative standard error
t	tonne
—	nil or rounded to zero
*	data subject to sampling variability between 25% and 50%
**	data subject to sampling variability greater than 50%, estimate is not published
. .	not applicable

Dennis Trewin
Australian Statistician

The composition of agricultural industries in Australia in 2000 was little changed from the previous year.

INDUSTRY COMPOSITION

The estimated number of establishments with agricultural activity and an estimated value of agricultural operations (EVAO) of $5,000 or more increased slightly from 145,200 in 1998–99 to 146,400 in 1999–2000, mainly as a result of growth in the grape growing industry and the beef cattle farming industry.

The beef cattle farming industry remained the largest in terms of farm numbers, up from 33,200 in 1998–99 to 35,200 in 1999–2000, and accounted for 24% of total establishments with farming activity.

Despite another fall in numbers, the mixed farming sector (grain–sheep/beef cattle) remained the second largest industry with 12% (18,200) of total establishments being classified to this industry. The grain growing industry remained the third largest in terms of numbers, accounting for 11% (16,500) of total establishments.

INDUSTRY ANALYSIS

There has been a significant movement of farms involved in the cattle farming industries (both beef and dairy) from the lowest category of EVAO (less than $22,500) to higher categories, reflecting improved livestock prices received in these industries during the period. The estimated number of farm establishments with an EVAO below $22,500 fell by 16% to 28,400 in 1999–2000. Despite this, just over half of all farm establishments, (76,000 farms or 52%) had an EVAO below $100,000. At the other end of the scale, 9% (12,700) of farming establishments had an EVAO above $500,000 in 1999–2000.

In 1999–2000, small producers made up most of the businesses in the beef cattle industry, sheep industry and the fruit industry (i.e. apple and pear, stone, kiwi and other fruit industries combined) with 82%, 68% and 57% respectively of these operations having an EVAO below $100,000.

Industries consisting of mainly larger producers in 1999–2000 included the cotton industry, the meat poultry industry and the poultry egg industry with 80%, 42% and 34% respectively of these operations having an EVAO greater than $500,000.

The most common size of farm holding in 1999–2000 was between 100 and 499 hectares. These 48,500 holdings accounted for 33% of all farming establishments and consisted of mainly beef cattle, sheep, grain and dairy operations.

Farm holdings of 49 hectares or less were next most common, and accounted for 21% (31,200) of all farms. Meat cattle, grape growing, fruit, vegetable and plant nursery operations comprised the majority of these farms.

Farm holdings of over 2,500 hectares accounted for 10% (14,100) of all farms. These farms were mainly large scale grazing and cropping operations.

Within the cropping sector the production of wheat, canola and grain sorghum increased while the production of barley and oats fell. This increase in wheat production largely reflects the improved outlook for wheat prices at the time of planting the 1999–2000 crop, whilst the increase in area sown to canola reflects the rotational benefits of planting canola and the introduction of improved varieties which have allowed more marginal land to be sown to canola despite poor price prospects at the time of sowing. Reductions in sowings of barley and oats are blamed in part on poor price prospects and cutbacks in water allocations at planting time.

WHEAT

The total area of wheat planted increased by 5% to a near record 12.2 million hectares in 1999–2000, largely as a result of significant increases in Victoria and New South Wales (up by 286,000 hectares and 251,000 hectares, respectively). All other States, except Queensland which fell slightly, recorded increased plantings. Western Australia had the largest area planted with 4.6 million hectares, followed by New South Wales with 3.4 million hectares.

Production of wheat increased by 15% to a record 24.8 million tonnes in 1999–2000. Improved average yields in New South Wales, Victoria and Western Australia combined with increased plantings in New South Wales and Victoria resulted in significant increases in production in these States. New South Wales recorded the biggest increase in production, up by 2.0 million tonnes (or 31%) to 8.6 million tonnes, followed by Victoria which was up by 1.2 million tonnes (or 81%) to 2.6 million tonnes. Dry conditions in South Australia resulted in lower than average yields, which more than offset increased plantings, and saw total production fall by 22% to 2.6 million tonnes. Western Australia remained the biggest producer of wheat with an 834,000 tonne (or 10%) increase in production giving a record State harvest of 9.0 million tonnes.

BARLEY

The total area of barley planted fell by 18% to 2.6 million hectares in 1999–2000. Significant falls in plantings were recorded in all States except Victoria, which was up slightly. The biggest decrease in area planted was in Western Australia, which was down by 32% (or 261,000 hectares) to 550,000 hectares. South Australia continued to have the largest plantings with 845,000 hectares (down 13% or 130,000 hectares) and was followed by Victoria with 585,000 hectares (having overtaken Western Australia as the second largest barley grower).

Barley production continued to fall, decreasing by 16% to 5.0 million tonnes in 1999–2000. Falls in barley production were recorded in all States except Victoria. The Victorian crop showed a significant increase in production following a return to better yields after a poor season in 1998-99. Improved yields were also reported in New South Wales and Western Australia but these were not enough to compensate for the reduction in the area planted in these States. South Australia was the main barley producing State but reduced plantings and lower than average yields (due to poor seasonal conditions) resulted in a 31% fall in production, to 1.4 million tonnes.

GRAIN SORGHUM

The total area of sorghum planted for grain increased by 6% or 35,000 hectares to 622,000 hectares in 1999-2000 with increased plantings in Queensland being partially offset by decreases in New South Wales.

Production of grain sorghum increased by 12% or 225,000 tonnes to 2.1 million tonnes in 1999–2000 as a result of increased production in Queensland. This made grain sorghum the third biggest cereal crop (in terms of production) in Australia despite it only being grown in significant quantities in Queensland and New South Wales.

OATS

The total area sown to oats fell by 36% to 584,000 hectares in 1999-2000 with decreased plantings recorded in all States.

Production of oats fell by 38% to 1.1 million tonnes in 1999–2000 with falls recorded in all States. The largest falls in production were recorded in New South Wales (down by 385,000 tonnes or 58% to 284,000 tonnes) and Victoria (down by 162,000 tonnes or 35% to 296,000 tonnes) leaving Western Australia as the main producing State with a harvest of 439,000 tonnes.

CANOLA

The area planted to canola in Australia increased by 53%, from 1.2 million hectares in 1998-99 to a record 1.9 million hectares in 1999-2000, with increases recorded in all States. The biggest increase in plantings was in Western Australia, with the area sown up by 64% to 879,000 hectares.

Canola production increased by 46% to a record 2.5 million tonnes in 1999–2000. The greatest increases were in Western Australia (with production up by 57% to 963,000 tonnes) and New South Wales (with production up by 33% to 827,000 tonnes).

The 1999–2000 season saw increased production for most major fruit and vegetable crops.

FRUIT

Grapes

The total area of vines reported increased by 14% to a record 140,000 hectares in 1999–2000. Increases were reported in all States with the biggest increases in South Australia (up 14% to 59,800 hectares), Victoria (up 12% to 36,300 hectares) and New South Wales (up 12% to 32,300 hectares).

The total production of grapes increased by 4% to a record 1.3 million tonnes in 1999–2000. A decrease in the total grape harvest in South Australia (down 3% to 483,000 tonnes) was offset by increases in Victoria (up 8% to 449,000 tonnes) and New South Wales (up 8% to 327,000 tonnes).

Apples

The number of apple trees increased by 2% to 6.1 million trees with increases reported in all States except New South Wales.

Total apple production fell by 4% to 320,000 tonnes in 1999–2000 after an increase the previous year. There was decreased production in all States except Queensland. The largest falls in production were reported in Victoria, the main growing State (down 9% to 98,200 tonnes) and in Tasmania (down 8% to 57,500 tonnes).

Oranges

The total number of orange trees increased by 9% to 6.9 million trees. This was due to increases in New South Wales and Victoria, partly offset by decreases in the other orange growing States.

Total production of oranges increased by 14% to 510,000 tonnes in 1999–2000. This was a result of increased production in New South Wales (up 31% to 238,000 tonnes) and Victoria (up 17% to 84,200 tonnes), partly offset by decreases in Western Australia (down 21% to 5,400 tonnes) and Queensland (down 18% to 16,600 tonnes).

Bananas

The area of bananas harvested increased slightly to 11,700 hectares in 1999–2000. This was due to an increase in the area of bananas harvested in Queensland (up 9% to 8,600 hectares) since the areas harvested in all other banana growing States was down.

Australian banana production rose by 14% to 257,000 tonnes in 1999–2000. Production increases were recorded in Queensland (up 19% to 207,000 tonnes) and the Northern Territory (up 31% to 7,600 tonnes) while production fell in Western Australia (down 26% to 7,700 tonnes).

VEGETABLES

Potatoes

The total area planted to potatoes fell by 11% to 36,800 hectares in 1999–2000. Decreased plantings were reported in all States except Queensland. The biggest decreases were recorded in the main growing States of Tasmania (down 25% to 5,700 hectares), South Australia (down 10% to 8,000 hectares) and Victoria (down 8% to 9,600 hectares).

Australian potato production fell by 10%, or 127,000 tonnes, to 1.2 million tonnes during 1999–2000 with smaller harvests reported in all States except Queensland. There were slight improvements in crop yields across most States and these partially offset the falls in plantings. The biggest falls in production were recorded in Western Australia (down 25% to 82,100 tonnes), Tasmania (down 18% to 267,000 tonnes), and Victoria (down 8% to 295,000 tonnes).

Onions

The area planted to onions in Australia fell slightly to an estimated 5,300 hectares in 1999–2000 with decreased plantings in New South Wales being partially offset by increases in South Australia.

Onion production rose by 10%, or 23,000 tonnes, to an estimated 247,000 tonnes in 1999–2000. This was largely due to an increase in the estimated production in South Australia which was the main producing State with 91,900 tonnes.

Tomatoes

The area planted to tomatoes in Australia fell slightly to an estimated 8,300 hectares in 1999–2000. This occurred mainly as a result of decreased plantings in New South Wales, since the areas planted in the main growing States of Victoria and Queensland were up slightly.

Australia's tomato harvest of 414,000 tonnes in 1999–2000 was an increase of 5% over the previous year. Victoria was the main producing State accounting for 60% (249,000 tonnes) of the national harvest.

Carrots

The area planted to carrots increased by 8% to 7,000 hectares in 1999–2000. This was due to an increase in the Victorian estimate since all other States were either down or little changed.

Carrot production rose by 10% to 283,000 tonnes in 1999–2000. Increases were reported in Victoria and Queensland but were offset by decreases in most other States.

Cattle and sheep numbers were up while pig and chicken numbers were down. Increased meat cattle numbers offset a decrease in dairy cattle numbers.

DAIRY CATTLE

Dairy cattle numbers fell by 2% to 3.1 million at 30 June 2000, reversing the upward trend experienced in recent years. The most significant fall in estimated herd sizes was recorded in Tasmania where the estimate fell by 12% to 206,000 head. The Victorian dairy herd fell by 3% to 1.9 million head at 30 June 2000, and represented 60% of the total Australian herd.

The number of establishments reporting dairy cattle fell by 3% to 14,800 at 30 June 2000. Numbers were down in all States except Victoria which was little changed. These structural changes probably reflect the uncertainities felt by producers prior to deregulation of the industry, where smaller farms are expected to be less competitive.

MEAT CATTLE

At 30 June 2000 there were 24.4 million meat cattle and calves in Australia which was 5% (1.1 million head) more than the previous year. There were significant increases reported in herd sizes in Queensland and Western Australia but these were offset by falls in New South Wales and Tasmania.

The number of establishments reporting meat cattle increased by 1% to 76,700 at 30 June 2000. This was mainly due to increased numbers of establishments with meat cattle in Queensland and New South Wales.

SHEEP AND LAMBS

Sheep and lamb numbers increased by 3%, (3.1 million head) to 118.6 million head at 30 June 2000. Flock sizes were again down in Western Australia and Queensland but these falls were offset by increases in New South Wales and Victoria. The Tasmanian flock decreased with many farmers losing stock during a sustained period of drought in the main sheep growing regions.

The number of ewes mated during 1999–2000 remained steady at 49.4 million head with increases in New South Wales and Victoria being offset by decreases in all other States. Improved lambing ratios in most States, and especially in New South Wales, saw numbers of lambs marked increase by 4% to 41.7 million.

The number of establishments reporting sheep and lambs remained steady at 53,200 at 30 June 2000. Numbers were either steady or up slightly in all States except South Australia, which fell for the fourth consecutive year.

PIGS

Pig numbers fell by 4% to 2.5 million at 30 June 2000 with significant falls being recorded in the main growing States of New South Wales (down 9% to 710,000 head) and Queensland (down 12% to 544,000 head).

The number of establishments reporting pigs remained steady at around 3,400 at 30 June 2000. There were falls in the number of establishments reporting pigs in all States except New South Wales and Queensland.

CHICKENS

There were falls in the estimated numbers of both chickens for meat production and chickens for egg production. The number of chickens for meat production fell by 6% to 72.9 million birds at 30 June 2000 and the number of chickens for egg production fell by 14% to 12.0 million birds at 30 June 2000.

LIST OF TABLES

Page

STRUCTURE OF AGRICULTURAL INDUSTRY

1 Establishments with agricultural activity, by State, as at 30 June 2000 11
2 Establishments with agricultural activity, by EVAO, as at 30 June 2000 12
3 Establishments with agricultural activity, by area of holding, as at 30 June 2000 13

CROPS AND PASTURES

4 Principal crops, production 14

HORTICULTURE

5 Fruit and nuts, production 16
6 Grapes, production 18
7 Vegetables, production 19

LIVESTOCK

8 Cattle, by type and number of establishments 21
9 Sheep, by type, lambing and number of establishments 22
10 Pigs, by type and number of establishments 23
11 Chickens 23
12 Beekeeping 24

1 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By State—As at 30 June 2000

ANZSIC Code	Description	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
0111	Plant nurseries	974	395	754	131	163	56	16	6	2 496
0112	Cut flower and flower seed growing	295	260	206	131	177	59	6	—	1 134
0113	Vegetable growing	986	1 099	1 455	573	584	602	13	2	5 313
0114	Grape growing	1 175	2 233	*143	2 406	474	85	3	3	6 522
0115	Apple and pear growing	233	374	117	118	246	140	—	1	1 229
0116	Stone fruit growing	465	250	104	252	165	*20	—	—	1 257
0117	Kiwi fruit growing	1	**	*3	—	**	—	—	—	*20
0119	Fruit growing n.e.c.	2 001	498	2 267	571	309	57	90	—	5 794
0121	Grain growing	4 206	3 181	2 112	3 653	3 282	24	3	1	16 463
0122	Grain–sheep/beef cattle farming	7 205	3 380	1 730	2 757	3 113	46	—	1	18 232
0123	Sheep–beef cattle farming	4 036	2 471	804	939	618	363	—	22	9 253
0124	Sheep farming	5 457	4 521	576	1 567	1 438	719	—	24	14 302
0125	Beef cattle farming	10 806	8 528	11 458	990	2 131	1 088	211	24	35 236
0130	Dairy cattle farming	1 943	8 133	1 842	770	386	743	1	2	13 820
0141	Poultry farming (meat)	351	197	145	78	64	10	1	—	845
0142	Poultry farming (eggs)	131	108	128	47	73	13	5	2	508
0151	Pig farming	328	193	340	147	111	24	1	—	1 145
0152	Horse farming	770	452	499	109	126	59	2	4	2 021
0153	Deer farming	*56	*75	**	*29	**	*16	—	—	196
0159	Livestock farming n.e.c.	415	*262	*202	*118	107	*54	1	—	1 158
0161	Sugar cane growing	489	—	4 534	—	*5	—	—	—	5 029
0162	Cotton growing	490	—	484	—	1	—	—	—	974
0169	Crop and plant growing n.e.c.	248	369	455	326	61	146	8	1	1 614
Agriculture		*43 063*	*36 988*	*30 367*	*15 712*	*13 653*	*4 324*	*361*	*93*	*144 560*
All other industries		*591*	*316*	*331*	*193*	*265*	*106*	*6*	*3*	*1 811*
Total all industries		**43 654**	**37 304**	**30 698**	**15 905**	**13 917**	**4 430**	**367**	**96**	**146 371**

2 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By EVAO—As at 30 June 2000

ESTIMATED VALUE OF AGRICULTURAL OPERATIONS ($'000)

ANZSIC Code	Description	Less than 22.5(a)	22.5–49.9	50.0–99.9	100.0–149.9	150.0–199.9	200.0–349.9	350.0–499.9	500.0–999.9	1000.0–1999.9	2000.0 or more	Total establishments
0111	Plant nurseries	340	435	653	268	250	200	110	137	74	29	2 496
0112	Cut flower and flower seed growing	169	284	315	132	47	100	*31	41	8	7	1 134
0113	Vegetable growing	756	835	758	481	342	759	449	522	253	159	5 313
0114	Grape growing	598	1 042	1 789	1 113	622	603	273	302	103	*78	6 522
0115	Apple and pear growing	*84	138	189	126	114	193	133	145	61	46	1 229
0116	Stone fruit growing	264	295	223	104	82	138	70	53	16	**	1 257
0117	Kiwi fruit growing	1	**	**	*1	*1	**	**	—	—	—	*20
0119	Fruit growing n.e.c.	1 314	1 046	1 162	555	345	582	299	314	111	64	5 794
0121	Grain growing	885	937	1 980	1 755	1 684	3 469	2 200	2 653	754	146	16 463
0122	Grain–sheep/beef cattle farming	740	1 768	3 551	2 907	2 343	3 788	1 548	1 361	183	43	18 232
0123	Sheep–beef cattle farming	1 239	1 552	2 522	1 401	766	1 122	325	284	39	2	9 253
0124	Sheep farming	3 449	2 974	3 283	1 858	1 027	1 111	320	243	26	10	14 302
0125	Beef cattle farming	15 654	8 318	5 087	1 920	1 025	1 603	622	589	281	136	35 236
0130	Dairy cattle farming	254	971	1 496	2 368	2 342	4 164	1 212	900	99	*13	13 820
0141	Poultry farming (meat)	**	*22	38	35	39	175	141	276	48	30	845
0142	Poultry farming (eggs)	54	*40	*45	54	33	68	40	101	40	32	508
0151	Pig farming	105	114	140	133	91	183	112	124	92	50	1 145
0152	Horse farming	877	572	355	102	*47	*53	2	6	*5	1	2 021
0153	Deer farming	111	*39	*36	**	1	—	1	—	—	—	196
0159	Livestock farming n.e.c.	330	*171	*112	*148	*31	*166	*64	*72	*48	*16	1 158
0161	Sugar cane growing	*120	*221	945	1 174	725	1 039	416	322	*57	9	5 029
0162	Cotton growing	—	—	**	—	**	*53	*104	251	281	250	974
0169	Crop and plant growing n.e.c.	344	282	244	171	117	174	76	132	*50	23	1 614
Agriculture		*27 728*	*22 058*	*24 934*	*16 819*	*12 105*	*19 743*	*8 556*	*8 830*	*2 628*	*1 158*	*144 560*
All other industries		*629*	*412*	*267*	*132*	*70*	*129*	*78*	*66*	*10*	*19*	*1 811*
Total all industries		**28 357**	**22 470**	**25 201**	**16 951**	**12 175**	**19 872**	**8 634**	**8 896**	**2 639**	**1 177**	**146 371**

(a) Establishments with EVAO of less than $5,000 on the population frame are not in the scope of the survey, however, some respondents may report activity below this level in the survey.

3 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By Area of Holding—As at 30 June 2000

ANZSIC Code	Description	AREA OF HOLDING (ha) 0–49	50–99	100–499	500–999	1 000–2 499	2 500–24 999	25 000–99 999	100 000–199 999	200 000–499 999	500 000 or more	Total establishments
0111	Plant nurseries	2 165	137	166	*12	**	3	—	—	—	—	2 496
0112	Cut flower and flower seed growing	959	63	91	8	*8	*5	—	—	—	—	1 134
0113	Vegetable growing	3 020	763	1 209	204	90	26	1	—	—	—	5 313
0114	Grape growing	5 117	569	701	68	49	*16	—	—	—	—	6 522
0115	Apple and pear growing	816	214	175	24	—	—	—	—	—	—	1 229
0116	Stone fruit growing	1 010	110	126	7	3	—	—	—	—	—	1 257
0117	Kiwi fruit growing	*17	**	1	—	—	—	—	—	—	—	*20
0119	Fruit growing n.e.c.	4 224	842	576	78	49	23	2	—	—	—	5 794
0121	Grain growing	710	459	4 040	3 488	4 669	3 064	33	—	—	—	16 463
0122	Grain–sheep/beef cattle farming	236	*349	4 958	4 649	5 462	2 498	78	*1	—	—	18 232
0123	Sheep–beef cattle farming	*323	532	3 466	1 822	1 604	1 116	306	*43	34	6	9 253
0124	Sheep farming	897	1 046	5 697	2 779	1 996	1 395	335	103	50	4	14 302
0125	Beef cattle farming	5 287	6 011	13 456	3 417	2 738	3 229	537	185	279	97	35 236
0130	Dairy cattle farming	1 336	2 696	8 893	598	263	30	1	1	1	—	13 820
0141	Poultry farming (meat)	658	72	98	13	3	—	—	—	—	1	845
0142	Poultry farming (eggs)	376	38	74	*8	12	1	—	—	—	—	508
0151	Pig farming	334	199	409	115	62	26	1	—	—	—	1 145
0152	Horse farming	819	517	580	*84	*10	7	*3	—	—	—	2 021
0153	Deer farming	104	*30	*47	*5	**	—	—	—	—	—	196
0159	Livestock farming n.e.c.	349	*166	*338	*85	*79	*66	*55	**	*9	—	1 158
0161	Sugar cane growing	1 141	1 604	2 085	101	*60	**	2	—	—	—	5 029
0162	Cotton growing	*20	**	235	174	246	282	7	—	—	—	974
0169	Crop and plant growing n.e.c.	506	290	566	159	71	20	**	—	—	—	1 614
Agriculture		*30 425*	*16 719*	*47 987*	*17 897*	*17 498*	*11 844*	*1 363*	*346*	*372*	*109*	*144 560*
All other industries		*783*	*230*	*526*	*127*	*86	**	**	—	**	—	*1 811*
Total all industries		**31 208**	**16 949**	**48 513**	**18 025**	**17 584**	**11 887**	**1 371**	**346**	**378**	**109**	**146 371**

4 PRINCIPAL CROPS, Production

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Cereals for grain											
Barley											
Production ('000 t)	6 482	5 987	5 032	1 040	1 189	254	1 409	1 117	22	(a)	—
Area ('000 ha)	3 521	3 167	2 596	476	585	130	845	550	9	(a)	—
Yield (t/ha)	1.8	1.9	1.9	2.2	2.0	2.0	1.7	2.0	2.4	. .	—
Grain sorghum											
Production ('000 t)	1 081	1 891	2 116	804	**	1 308	(a)	*2	(a)	1	—
Area ('000 ha)	507	587	622	200	*1	419	(a)	*2	(a)	—	—
Yield (t/ha)	2.1	3.2	3.4	4.0	*2.2	3.1	. .	1.2	. .	1.5	—
Maize											
Production ('000 t)	272	338	406	178	4	224	(a)	*—	(a)	—	—
Area ('000 ha)	57	64	82	22	1	59	(a)	*—	(a)	—	—
Yield (t/ha)	4.7	5.2	4.9	8.1	6.0	3.8	. .	9.9	. .	2.2	—
Oats											
Production ('000 t)	1 634	1 798	1 118	284	296	12	78	439	10	(a)	—
Area ('000 ha)	937	909	584	160	138	10	70	199	6	(a)	—
Yield (t/ha)	1.7	2.0	1.9	1.8	2.1	1.2	1.1	2.2	1.6	. .	1.7
Rice											
Production ('000 t)	1 324	1 362	1 084	1 084	(a)	(a)	(a)	**	(a)	—	—
Area ('000 ha)	147	148	131	131	(a)	(a)	(a)	**	(a)	—	—
Yield (t/ha)	9.0	9.2	8.3	8.3	. .	. .	. .	**	. .	—	—
Triticale											
Production ('000 t)	633	707	764	373	235	*5	109	*35	6	(a)	—
Area ('000 ha)	366	386	361	129	114	**	88	25	2	(a)	—
Yield (t/ha)	1.7	1.8	2.1	2.9	2.1	**	1.2	1.4	2.9	. .	—
Wheat											
Production ('000 t)	19 227	21 465	24 757	8 602	2 642	1 904	2 586	9 004	20	(a)	—
Area ('000 ha)	10 441	11 543	12 168	3 425	1 235	1 096	1 850	4 556	6	(a)	—
Yield (t/ha)	1.8	1.9	2.0	2.5	2.1	1.7	1.4	2.0	3.1	. .	—
Legumes											
Lupins for grain											
Production ('000 t)	1 561	1 696	1 968	240	45	*—	80	1 603	*—	(a)	—
Area ('000 ha)	1 425	1 406	1 347	135	35	**	73	1 104	*—	(a)	—
Yield (t/ha)	1.1	1.2	1.5	1.8	1.3	2.2	1.1	1.5	2.8	. .	—
Field peas for grain											
Production ('000 t)	316	370	496	30	214	*1	181	70	—	(a)	—
Area ('000 ha)	366	369	424	25	174	**	161	62	—	(a)	—
Yield (t/ha)	0.9	1.0	1.2	1.2	1.2	**	1.1	1.1	1.5	. .	—
Crops cut for hay											
Cereal crops for hay											
Production ('000 t)	1 567	1 827	1 429	183	364	60	284	525	12	1	—
Area ('000 ha)	401	425	357	50	89	20	82	113	2	—	—
Yield (t/ha)	3.9	4.3	4.0	3.7	4.1	2.9	3.5	4.6	5.3	3.8	2.1
Non-cereal crops for hay											
Production ('000 t)	170	126	159	10	78	*38	*18	*3	*5	7	—
Area ('000 ha)	59	45	47	3	22	*13	*6	*1	*1	1	—
Yield (t/ha)	2.9	2.8	3.4	3.2	3.6	*3.0	2.9	*2.4	*4.0	6.2	0.1

(a) Data not collected.

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Oilseeds											
Canola											
Production ('000 t)	855	1 690	2 460	827	423	**	244	963	*2	(a)	—
Area ('000 ha)	698	1 247	1 911	515	304	*1	210	879	*1	(a)	—
Yield (t/ha)	1.2	1.4	1.3	1.6	1.4	1.1	1.2	1.1	1.7	. .	1.1
Total oilseeds											
Production ('000 t)	*1 005*	*2 039*	*2 770*	*968*	*438*	*151*	*249*	*963*	*2*	*(a)*	—
Area ('000 ha)	*839*	*1 538*	*2 172*	*613*	*319*	*143*	*216*	*879*	*1*	*(a)*	—
Yield (t/ha)	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
Other crops											
Sugar cane cut for crushing											
Production ('000 t)	39 531	38 534	38 165	2 493	(a)	35 316	(a)	355	(a)	(a)	(a)
Area ('000 ha)	415	402	428	20	(a)	405	(a)	3	(a)	(a)	(a)
Yield (t/ha)	95.2	95.9	89.2	123.8	. .	87.2	. .	123.2	. .	. .	. .
Cotton lint											
Production ('000 t)	564	634	698	416	(a)	282	(a)	—	(a)	(a)	(a)
Area ('000 ha)	381	446	435	263	(a)	172	(a)	—	(a)	(a)	(a)
Yield (t/ha)	1.5	1.4	1.6	1.6	. .	1.6	. .	1.2	. .	. .	. .
Peanuts (in shell)											
Production ('000 t)	32	47	40	**	(a)	39	(a)	(a)	(a)	—	(a)
Area ('000 ha)	19	21	20	**	(a)	20	(a)	(a)	(a)	—	(a)
Yield (t/ha)	1.7	2.2	2.0	**	. .	2.0	. .	. .	. .	1.8	. .
Tobacco											
Production ('000 t)	8	7	8	(a)	4	*4	(a)	(a)	(a)	(a)	(a)
Area ('000 ha)	3	3	3	(a)	1	*2	(a)	(a)	(a)	(a)	(a)
Yield (t/ha)	2.6	2.2	2.4	. .	2.7	2.2	. .	. .	. .	. .	. .
Pastures and grasses cut for hay											
Lucerne											
Production ('000 t)	863	933	893	381	177	192	77	*34	13	19	1
Area ('000 ha)	179	192	181	86	35	23	25	6	3	4	—
Yield (t/ha)	4.8	4.9	4.9	4.4	5.0	8.5	3.1	6.0	5.0	4.7	3.8
Other											
Production ('000 t)	2 695	3 358	2 850	390	1 547	78	243	373	209	10	1
Area ('000 ha)	789	906	788	110	444	19	73	90	48	4	—
Yield (t/ha)	3.4	3.7	3.6	3.6	3.5	4.0	3.3	4.1	4.4	2.3	3.8
Total cut for hay											
Production ('000 t)	*3 558*	*4 291*	*3 743*	*771*	*1 723*	*270*	*320*	*407*	*222*	*29*	*1*
Area ('000 ha)	*967*	*1 098*	*969*	*196*	*479*	*42*	*98*	*96*	*51*	*8*	—
Yield (t/ha)	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
Pasture seed											
Production ('000 t)	27	30	21	*2	8	1	6	2	1	—	—
Area ('000 ha)	112	113	80	*12	17	14	28	7	1	—	—
Yield (t/ha)	0.2	0.3	0.3	0.1	0.5	—	0.2	0.3	1.0	0.2	—

(a) Data not collected.

5 FRUIT AND NUTS, Production(a)

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Citrus											
Oranges											
Production (t)	499 784	445 840	509 973	237 698	84 222	16 623	166 041	5 389	(b)	—	—
Trees ('000)	6 667	6 400	6 945	3 750	1 128	188	1 732	147	(b)	—	—
Yield (kg/tree)	75.0	69.7	73.4	63.4	74.7	88.5	95.8	36.6	. .	—	—
Lemons and limes											
Production (t)	28 709	29 294	32 384	5 266	7 015	8 207	10 395	*1 467	(b)	34	—
Trees ('000)	407	389	373	92	80	103	79	*18	(b)	2	—
Yield (kg/tree)	70.5	75.2	86.8	57.3	88.2	80.0	131.9	79.5	. .	19.0	—
Mandarins											
Production (t)	62 568	78 258	85 397	7 946	6 273	59 417	10 203	*1 558	(b)	—	—
Trees ('000)	1 090	1 175	1 187	160	108	704	167	48	(b)	—	—
Yield (kg/tree)	57.4	66.6	71.9	49.6	58.1	84.3	61.3	32.7	. .	—	—
Pome											
Apples											
Production (t)	308 856	334 353	319 652	66 992	98 150	32 831	23 431	40 665	57 537	(b)	46
Trees ('000)	5 845	5 969	6 115	1 406	1 642	635	626	761	1 043	(b)	1
Yield (kg/tree)	52.8	56.0	52.3	47.7	59.8	51.7	37.4	53.4	55.1	. .	31.6
Pears (excl. Nashi)											
Production (t)	152 877	156 714	156 369	1 759	136 084	1 256	5 593	10 985	692	(b)	—
Trees ('000)	1 381	1 401	1 401	54	1 083	21	97	129	17	(b)	—
Yield (kg/tree)	110.7	111.9	111.6	32.7	125.7	59.2	57.6	85.4	40.6	. .	90.0
Stone											
Apricots											
Production (t)	19 881	21 483	19 875	**	*10 158	*79	8 456	*427	**	(b)	—
Trees ('000)	569	565	520	**	218	**	246	*12	*12	(b)	—
Yield (kg/tree)	35.0	38.0	38.2	25.0	46.5	**	34.3	34.6	**	. .	—
Cherries											
Production (t)	6 985	6 020	5 835	2 923	*1 772	—	758	*64	318	(b)	—
Trees ('000)	645	735	838	495	143	—	107	*22	72	(b)	—
Yield (kg/tree)	10.8	8.2	7.0	5.9	12.4	—	7.1	*3.0	4.4	. .	—
Nectarines											
Production (t)	22 757	27 423	36 366	12 411	16 130	3 002	1 348	3 472	*3	(b)	—
Trees ('000)	915	963	1 202	411	373	217	40	159	*1	(b)	—
Yield (kg/tree)	24.9	28.5	30.3	30.2	43.2	13.8	33.5	21.8	5.0	. .	—
Olives											
Production (t)	763	*2 404	1 397	*17	561	**	*761	**	—	—	—
Trees ('000)	112	117	119	**	61	**	*49	**	—	—	—
Yield (kg/tree)	6.8	*20.6	11.7	*12.7	9.3	**	*15.6	**	—	—	—
Peaches											
Production (t)	64 807	66 036	86 000	18 364	56 752	3 983	5 420	1 477	*4	(b)	—
Trees ('000)	1 498	1 509	1 972	634	891	273	92	*81	*1	(b)	—
Yield (kg/tree)	43.3	43.8	43.6	29.0	63.7	*14.6	59.1	18.1	4.6	. .	—
Plums and prunes											
Production (t)	26 355	22 665	24 155	8 031	7 130	1 854	2 317	4 815	7	—	—
Trees ('000)	1 015	1 024	1 420	538	307	220	75	280	1	—	—
Yield (kg/tree)	26.0	22.1	17.0	14.9	23.2	**	31.0	17.2	9.5	—	12.5

(a) Number of trees and yield based on trees six years and over.

(b) Data not collected.

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Other orchard n.e.i.											
Avocados											
Production (t)	20 174	24 311	23 976	4 908	*640	14 803	820	2 805	(b)	—	—
Trees ('000)	458	522	431	108	18	234	26	44	(b)	—	—
Yield (kg/tree)	44.1	46.6	55.6	45.5	35.0	63.3	31.2	63.2	. .	—	—
Mangoes											
Production (t)	36 567	26 372	38 071	**	(b)	30 770	(b)	1 922	(b)	5 244	—
Trees ('000)	815	850	971	*23	(b)	779	(b)	67	(b)	102	—
Yield (kg/tree)	44.9	31.0	39.2	**	. .	39.5	. .	28.8	. .	51.3	—
Nuts											
Almonds (kernel)											
Production (t)	6 880	8 971	8 711	**	4 597	—	3 973	(b)	(b)	(b)	—
Trees ('000)	937	1 069	832	**	395	—	426	(b)	(b)	(b)	—
Yield (kg/tree)	7.3	8.4	10.5	**	11.6	—	9.3	. .	. .	. .	—
Macadamias											
Production (t)	20 336	18 949	23 459	15 504	(b)	7 954	(b)	(b)	(b)	(b)	—
Trees ('000)	2 441	2 455	2 444	1 534	(b)	909	(b)	(b)	(b)	(b)	—
Yield (kg/tree)	8.3	7.7	9.6	10.1	. .	8.8	. .	. .	. .	. .	—
Blueberries											
Production (t)	1 276	1 526	1 938	1 434	**	(b)	(b)	(b)	**	(b)	—
Area (ha)	400	*371	452	338	*87	(b)	(b)	(b)	**	(b)	—
Yield (t/ha)	3.2	4.1	4.3	4.2	*5.5	. .	. .	. .	*1.1	. .	—
Strawberries											
Production (t)	13 434	14 201	14 772	*118	5 400	4 123	1 506	3 398	228	—	—
Area (ha)	720	701	777	*10	295	294	53	96	28	—	2
Yield (t/ha)	18.7	20.3	19.0	*12.1	18.3	14.0	28.2	35.4	*8.0	—	—
Tropical											
Bananas											
Production (t)	222 957	225 167	256 867	34 213	(b)	207 403	(b)	7 673	(b)	7 578	—
Area (ha)	10 478	11 405	11 730	2 494	(b)	8 638	(b)	342	(b)	256	—
Yield (t/ha)	21.3	19.7	21.9	13.7	. .	24.0	. .	22.4	. .	29.6	—
Papaws											
Production (t)	5 394	7 058	*4 350	*38	(b)	4 289	(b)	**	(b)	—	—
Area (ha)	325	298	355	6	(b)	345	(b)	**	(b)	—	—
Yield (t/ha)	16.6	23.7	12.3	*6.2	. .	12.4	. .	**	. .	—	—
Pineapples											
Production (t)	123 004	131 383	139 284	*1	(b)	139 283	(b)	(b)	(b)	—	—
Area (ha)	2 762	2 821	2 817	*6	(b)	2 811	(b)	(b)	(b)	—	—
Yield (t/ha)	44.5	46.6	49.4	*0.2	. .	49.5	. .	. .	. .	—	—

(a) Number of trees and yield based on trees six years and over.

(b) Data not collected.

6 GRAPES(a), Production

	AUSTRALIA		2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
AREA OF VINES AT HARVEST (ha)											
Bearing	78 090	95 301	110 623	26 058	28 871	1 669	47 015	6 276	524	195	15
Not yet bearing: planted or grafted prior to collection year	9 532	11 566	18 130	4 158	4 446	346	7 855	1 145	115	55	10
Not yet bearing: planted or grafted during collection year	10 989	16 048	11 108	2 053	2 940	156	4 937	860	122	30	10
Total area of vines	**98 612**	**122 915**	**139 861**	**32 269**	**36 257**	**2 171**	**59 807**	**8 281**	**761**	**280**	**35**
GRAPE PRODUCTION (fresh weight)(t)											
Winemaking	870 627	1 076 207	1 111 145	287 968	301 908	1 919	478 349	37 547	3 367	11	76
Drying	176 570	119 438	133 454	24 509	105 377	8	2 910	640	—	1	9
Table and other	64 972	69 891	66 791	14 155	41 748	4 782	2 049	2 852	—	1 206	—
Total production	**1 112 170**	**1 265 536**	**1 311 389**	**326 632**	**449 033**	**6 709**	**483 307**	**41 039**	**3 367**	**1 217**	**85**
Yield (t/ha)(b)	14.2	13.3	11.9	12.5	15.6	4.0	10.3	6.5	6.4	6.2	5.7

(a) Varietal information is available in *Australian Wine and Grape Industry* (Cat. no. 1329.0).

(b) Yield represents the quantity of grapes produced per hectare of bearing vines.

7 VEGETABLES, Production

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Asparagus											
Production (t)	7 595	8 878	16 404	*953	13 557	*1 479	*120	**	**	1	—
Area (ha)	2 005	2 143	2 998	*216	2 084	*570	*24	**	**	—	—
Yield (t/ha)	3.8	4.1	5.5	4.4	6.5	2.6	5.0	*2.8	**	5.0	—
Beans, French and runner											
Production (t)	35 562	30 380	34 495	1 273	1 813	16 459	*46	*1 129	13 720	54	—
Area (ha)	6 623	5 917	6 649	351	708	3 705	*13	*346	1 516	10	—
Yield (t/ha)	5.4	5.1	5.2	3.6	2.6	4.4	3.6	3.3	9.1	5.4	—
Beetroot											
Production (t)	32 502	29 682	37 700	*1 176	806	35 584	**	*105	**	—	—
Area (ha)	879	908	1 221	**	58	1 097	**	*7	**	—	—
Yield (t/ha)	37.0	32.7	30.9	**	14.0	32.4	**	15.9	**	—	—
Broccoli											
Production (t)	39 847	39 389	39 184	2 106	21 007	6 368	1 157	2 465	6 080	—	—
Area (ha)	7 334	6 353	6 491	414	3 508	1 214	228	362	765	—	—
Yield (t/ha)	5.4	6.2	6.0	5.1	6.0	5.2	5.1	6.8	7.9	—	—
Cabbages											
Production (t)	58 076	53 171	68 809	11 189	28 374	19 088	*4 646	3 982	1 467	62	—
Area (ha)	1 798	1 671	1 799	315	648	428	*174	*168	62	3	—
Yield (t/ha)	32.3	31.8	38.3	35.5	43.8	44.6	26.8	23.8	23.6	20.7	—
Capsicum, chillies and peppers											
Production (t)	30 518	41 262	43 530	901	*3 573	36 061	*1 125	*1 826	*4	40	—
Area (ha)	1 800	2 281	2 459	130	*180	1 862	*137	*140	*1	8	—
Yield (t/ha)	17.0	18.1	17.7	7.0	19.8	19.4	*8.2	13.0	**	5.0	—
Carrots											
Production (t)	266 531	256 608	283 304	15 536	122 015	30 555	27 335	52 794	35 068	—	—
Area (ha)	7 152	6 514	7 029	441	3 010	1 054	635	1 273	616	—	—
Yield (t/ha)	37.3	39.4	40.3	35.2	40.5	29.0	43.1	41.5	56.9	—	—
Cauliflowers											
Production (t)	64 779	73 432	76 437	*11 256	21 767	15 591	5 599	18 119	4 105	—	—
Area (ha)	4 065	4 202	4 094	*443	1 277	691	233	1 173	277	—	—
Yield (t/ha)	15.9	17.5	18.7	25.4	17.0	22.6	24.1	15.4	14.8	—	—
Celery											
Production (t)	44 746	43 208	40 738	—	13 661	14 808	2 625	**	383	—	—
Area (ha)	1 139	920	915	—	423	282	28	**	10	—	—
Yield (t/ha)	39.3	47.0	44.5	—	32.3	52.5	93.7	*54.0	38.0	—	—
Cucumbers											
Production (t)	16 025	17 920	16 723	9 635	191	3 607	*1 336	1 855	*77	21	—
Area (ha)	1 037	1 138	1 116	541	9	427	*62	73	*4	2	—
Yield (t/ha)	15.5	15.7	15.0	17.8	21.7	8.5	*21.5	25.4	*20.5	14.0	—
Green Peas											
Processing											
Production (t)	34 191	29 578	30 050	*368	—	*838	*5	**	28 536	—	—
Area (ha)	6 643	5 510	5 027	*115	—	196	*1	**	4 514	—	—
Yield (t/ha)	5.1	5.4	6.0	3.2	—	4.3	**	**	6.3	—	—
Sold in pod											
Production (t)	810	654	*747	*133	*314	**	*29	**	*28	—	—
Area (ha)	371	*651	430	135	*190	*38	**	*9	**	—	—
Yield (t/ha)	2.2	*1.0	1.7	*1.0	*1.7	*6.2	**	**	**	—	—

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Lettuces											
Production (t)	129 149	131 140	151 947	11 820	48 603	48 117	6 456	*35 792	*1 066	92	—
Area (ha)	5 714	6 176	5 170	611	2 160	1 520	209	548	110	11	—
Yield (t/ha)	22.6	21.2	29.4	19.3	22.5	31.7	30.9	*65.3	9.7	8.4	—
Marrow, squash and zucchini											
Production (t)	18 722	19 882	14 816	1 329	*2 069	9 566	*254	1 048	533	16	—
Area (ha)	2 683	2 891	2 601	231	*190	1 925	*24	177	51	2	—
Yield (t/ha)	7.0	6.9	5.7	5.7	10.9	5.0	*10.6	5.9	10.4	8.1	—
Melons											
Water											
Production (t)	80 857	66 346	85 153	7 667	3 083	51 304	*143	22 053	—	902	—
Area (ha)	3 984	4 175	4 846	613	74	3 248	16	843	—	53	—
Yield (t/ha)	20.3	15.9	17.6	12.5	41.9	15.8	9.1	26.2	—	17.0	—
Rock and cantaloupe											
Production (t)	85 115	101 045	87 064	16 382	5 429	49 012	2 726	12 470	—	1 046	—
Area (ha)	3 500	5 353	4 035	771	236	2 079	109	769	—	70	—
Yield (t/ha)	24.3	18.9	21.6	21.2	23.0	23.6	25.0	16.2	—	14.9	—
Onions, white and brown											
Production (t)	218 895	223 989	247 068	34 732	20 536	22 192	91 920	14 972	62 716	—	—
Area (ha)	5 634	5 351	5 285	855	573	723	1 683	297	1 153	—	—
Yield (t/ha)	38.8	41.9	46.7	40.6	35.8	30.7	54.6	50.4	54.4	—	—
Parsnips											
Production (t)	8 684	10 170	7 770	*200	6 215	—	*454	*550	352	—	—
Area (ha)	400	450	409	*10	317	—	*25	*37	20	—	—
Yield (t/ha)	21.7	22.6	19.0	20.0	19.6	—	18.4	14.8	17.2	—	—
Potatoes											
Production (t)	1 371 606	1 326 765	1 199 622	156 391	294 656	118 759	280 561	82 082	267 172	—	—
Area (ha)	42 558	41 298	36 829	6 342	9 618	5 161	7 960	2 059	5 690	—	—
Yield (t/ha)	32.2	32.1	32.6	24.7	30.6	23.0	35.2	39.9	47.0	—	—
Pumpkins											
Production (t)	84 848	87 589	108 761	20 751	6 971	56 117	6 017	16 784	1 629	493	—
Area (ha)	5 929	7 543	8 997	1 373	525	5 686	316	925	121	52	—
Yield (t/ha)	14.3	11.6	12.1	15.1	13.3	9.9	19.0	18.1	13.5	9.5	—
Sweet corn											
Production (t)	77 670	57 172	45 215	14 258	4 584	20 380	*1 708	3 927	359	—	—
Area (ha)	5 579	4 505	4 234	1 371	566	1 880	*117	281	19	—	—
Yield (t/ha)	13.9	12.7	10.7	10.4	8.1	10.8	14.6	14.0	19.1	—	—
Tomatoes											
Production (t)	380 130	394 371	413 617	60 344	249 274	87 904	2 402	12 020	929	310	435
Area (ha)	8 023	8 549	8 323	1 168	3 376	3 345	136	277	*15	2	4
Yield (t/ha)	47.4	46.1	49.7	51.7	73.8	26.3	17.6	43.3	*63.2	206.7	111.5
Total area of vegetables (ha)	**130 601**	**130 220**	**127 443**	**17 361**	**31 690**	**39 508**	**12 702**	**10 697**	**15 247**	**234**	**5**

(a) Excludes establishments in Western Australia.

8 CATTLE(a), By Type, and Number of Establishments

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
					CATTLE						
Milk cattle											
Cows in milk and dry ('000)	2 060	2 155	2 171	276	1 358	200	126	62	147	1	—
Other milk cattle ('000)	1 015	1 065	969	163	535	105	63	43	59	—	—
Total milk cattle and calves ('000)	*3 076*	*3 220*	*3 140*	*440*	*1 893*	*305*	*189*	*106*	*206*	*1*	—
Meat cattle											
Bulls used or intended for service ('000)	547	528	519	116	63	210	24	49	10	47	—
Calves under one year ('000)	6 026	5 740	5 885	1 542	716	2 354	302	515	125	329	2
Cows and heifers one year and over ('000)	11 783	11 621	12 282	2 801	1 134	5 667	480	1 086	194	913	6
Other cattle one year and over ('000)	5 420	5 469	5 774	1 071	457	3 272	188	409	81	293	2
Total meat cattle and calves ('000)	*23 776*	*23 358*	*24 448*	*5 531*	*2 371*	*11 503*	*995*	*2 059*	*411*	*1 570*	*10*
Total cattle and calves ('000)	**26 851**	**26 578**	**27 588**	**5 970**	**4 264**	**11 808**	**1 184**	**2 165**	**617**	**1 571**	**10**
Proportion of total herd											
Milk cattle (%)	11.5	12.1	11.4	7.4	44.4	2.6	16.0	4.9	33.4	0.1	4.3
Meat cattle (%)	88.5	87.9	88.6	92.6	55.6	97.4	84.0	95.1	66.6	99.9	95.7
					NUMBER OF ESTABLISHMENTS WITH CATTLE						
Milk cattle											
Cows in milk and dry	14 126	14 002	13 632	2 115	7 670	1 862	769	412	801	1	2
Other milk cattle	13 875	13 758	12 794	1 910	7 291	1 728	737	378	748	1	1
Total milk cattle and calves	*15 531*	*15 271*	*14 775*	*2 262*	*8 347*	*2 039*	*822*	*426*	*877*	*1*	*2*
Meat cattle											
Bulls used or intended for service	60 054	58 448	56 193	20 394	12 228	14 368	3 577	3 605	1 773	200	47
Calves under one year	62 574	60 469	58 964	21 149	12 997	14 717	4 056	3 868	1 937	189	50
Cows and heifers one year and over	67 556	65 694	64 630	23 516	13 719	16 723	4 171	4 130	2 107	209	55
Other cattle one year and over	50 012	49 251	45 916	14 469	9 949	14 154	2 487	2 967	1 680	180	32
Total meat cattle and calves	*77 252*	*75 905*	*76 662*	*26 815*	*17 759*	*19 266*	*4 883*	*4 855*	*2 807*	*215*	*62*
Total establishments	**84 469**	**83 173**	**84 014**	**27 929**	**22 338**	**20 096**	**5 276**	**4 953**	**3 144**	**216**	**62**

(a) Excludes house cows.

9 SHEEP, By Type, Lambing and Number of Establishments

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
SHEEP											
Sheep and lambs											
Sheep ('000)	87 534	85 960	87 852	31 742	17 013	7 521	9 806	19 214	2 493	(a)	63
Lambs under one year ('000)	29 957	29 496	30 699	11 663	5 651	1 674	3 953	6 895	847	(a)	16
Total sheep and lambs ('000)	**117 491**	**115 456**	**118 552**	**43 405**	**22 664**	**9 195**	**13 759**	**26 109**	**3 341**	**..**	**80**
LAMBING											
Ewes actually mated ('000)(b)	51 350	49 882	49 386	18 412	9 192	2 888	6 188	11 276	1 404	(a)	26
Lambs marked ('000)	40 124	40 081	41 689	16 049	8 216	1 878	5 325	8 903	1 298	(a)	20
Proportion of lambs marked to ewes mated (%)	78.1	80.4	84.4	87.2	89.4	65.0	86.0	79.0	92.5	(a)	77.9
Ewes intended to be mated ('000)(c)	52 004	52 062	50 162	18 843	9 261	3 217	6 121	11 335	1 355	(a)	30
NUMBER OF ESTABLISHMENTS WITH SHEEP AND LAMBS											
Sheep and lambs											
Sheep	53 392	51 802	52 254	18 649	13 212	2 163	8 113	8 191	1 871	(a)	55
Lambs under one year	45 182	43 252	42 725	15 583	10 520	1 550	6 941	6 628	1 458	(a)	45
Total establishments	**54 717**	**52 934**	**53 150**	**19 027**	**13 442**	**2 234**	**8 242**	**8 225**	**1 925**	**..**	**55**

(a) Data not collected.

(b) Ewes mated to produce lambs marked in the season shown.

(c) Forecast made at the beginning of each season.

10 PIGS, By Type, and Number of Establishments

	AUSTRALIA		2000								
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
PIGS											
Pigs											
Boars ('000)	20	17	15	4	3	3	3	2	—	—	—
Breeding sows and gilts ('000)	320	309	293	86	63	59	49	34	2	—	—
Other pigs ('000)	2 429	2 301	2 202	620	457	482	386	240	15	2	—
Total pigs ('000)	**2 768**	**2 626**	**2 511**	**710**	**523**	**544**	**438**	**276**	**18**	**2**	**—**
NUMBER OF ESTABLISHMENTS WITH PIGS											
Pigs											
Boars	3 193	2 806	2 727	808	328	591	603	341	53	3	—
Breeding sows and gilts	3 318	2 993	2 863	849	346	617	632	359	57	3	—
Other pigs	3 675	3 254	3 274	893	382	845	667	410	73	3	—
Total establishments	**3 859**	**3 461**	**3 446**	**968**	**407**	**870**	**690**	**426**	**83**	**3**	**—**

11 CHICKENS

	AUSTRALIA		2000								
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Chickens											
For egg production ('000)	14 036	r13 912	12 016	3 564	3 201	2 593	824	1 302	266	148	120
For meat production ('000)(a)	75 504	77 863	72 912	35 192	15 096	10 672	6 503	5 363	n.p.	86	—

(a) Excludes establishments in Tasmania.

12 BEEKEEPING

	AUSTRALIA			2000							
	1998	*1999*	*2000*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Beekeepers (no.)	968	980	902	375	165	180	95	59	27	n.p.	n.p.
Beehives											
Productive ('000)(a)	297	288	267	113	54	37	36	16	12	n.p.	n.p.
Unproductive ('000)	65	80	73	32	7	24	2	6	2	n.p.	n.p.
Total ('000)	*362*	*368*	334	*140*	*61*	*60*	*40*	*22*	*14*	*n.p.*	*n.p.*
Honey											
Quantity produced (t)	22 021	18 852	21 381	8 775	4 971	2 069	3 008	1 596	944	n.p.	n.p.
Average production per productive beehive (kg)	74.0	65.5	80	78	92	57	84	100	80	n.p.	n.p.
Beeswax (t)	470	376	389	176	76	37	51	35	13	n.p.	n.p.

(a) Beehives from which honey is taken.

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains detailed statistics on crops, livestock and characteristics of farms.

SCOPE AND COVERAGE

2 Estimates in this publication are based on information obtained from the Agricultural Commodity Survey (ACS) conducted at 30 June 2000. Prior to 2000 information was obtained for the period ending 31 March. The ABS has changed the collection period to 30 June to better align with other ABS surveys. A study of respondent data indicated that there should be no significant difference in estimates collected between the reference periods.

3 The scope of the 1999–2000 Survey is establishments undertaking agricultural activity which have an estimated value of agricultural operations (EVAO) of $5,000 or more. This is the same as the scope for Agricultural Censuses and Surveys since 1993–94. Prior to 1993–94 scope has varied. Details are available on request.

GENERAL

4 The estimates for earlier years shown in this publication have been revised where necessary.

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

AGRICULTURAL ESTABLISHMENTS

6 For the Agricultural Commodity Survey, the concept of an establishment is the same as that used by the ABS for all industry statistics collections. The establishment is the smallest accounting unit of business within a State or Territory, controlling its productive activities and maintaining a specified range of detailed data enabling value added to be calculated. In general an establishment covers all operations at a physical location, but may consist of a group of locations provided they are within the same State or Territory. The majority of establishments operate at one location only.

INDUSTRY CLASSIFICATION

7 Units in the ACS have been classified according to the methodology described in *Australian and New Zealand Standard Industrial Classification (ANZSIC)* (Cat. no. 1292.0).

SAMPLE ERROR

8 The estimates in this publication are based on information obtained from a sample drawn from the total farm population in scope of the collections, and are subject to sampling variability; that is, they may differ from the figures that would have been produced if all farms had been included. One measure of the likely difference is given by the standard error, which indicates the extent to which an estimate might have varied by chance because only a sample was taken. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all farms had been included, and about nineteen chances in twenty that the difference will be less than two standard errors.

9 In this publication, sampling variability of the estimates is measured by the relative standard error (RSE) which is obtained by expressing the standard error as a percentage of the estimate to which it refers. The ACS is designed to produce estimates of major commodities with RSEs of 2% at the Australian level and 5% at the State level. Some estimates may be subject to higher RSEs due to sampling variability, particularly for less common commodities. If an estimate is identified by a single asterisk (e.g. *182) the RSE is between 25% and 50%. If an estimate is identified by a double asterisk (i.e. **) the RSE is above 50% and the estimate is not published. Separate indication of the RSEs of all estimates is available on request .

RELATIVE STANDARD ERROR OF SELECTED COMMODITIES—As at 30 June 2000

Commodity	*NSW* %	*Vic.* %	*Qld* %	*SA* %	*WA* %	*Tas.* %	*NT* %	*ACT* %	*Aust.* %
Crops									
Wheat for grain, production	2.0	2.0	5.5	2.0	1.5	5.7	—	—	1.0
Oats for grain, production	5.6	5.2	15.6	8.2	6.3	6.3	—	—	3.2
Barley for grain, production	4.1	2.7	7.7	3.0	3.6	4.5	—	—	1.6
Grain sorghum, production	5.9	56.6	5.4	—	40.5	—	—	—	4.0
Lupins for grain, production	6.4	9.3	49.1	6.5	2.9	30.1	—	—	2.5
Canola, production	3.7	4.1	53.8	4.4	3.3	25.9	—	—	2.0
Cereals for hay, production	7.4	8.0	10.9	8.1	7.2	14.3	—	—	3.9
Sugar cane cut for crushing, production	5.7	. .	4.2	. .	8.1	. .	. .	. .	3.9
Fruit									
Oranges, production	5.9	10.5	10.2	4.6	19.2	. .	—	—	3.6
Lemons and limes, production	11.6	14.3	8.3	7.5	33.4	. .	—	—	5.1
Apricots, production	62.0	30.0	35.6	8.8	30.3	74.6	. .	—	15.9
Nectarines, production	11.7	20.5	15.6	16.4	15.1	30.4	. .	—	10.1
Olives, production	48.8	2.3	63.4	35.8	61.3	—	—	—	19.7
Avocados, production	14.9	25.2	9.4	21.2	17.8	. .	—	—	7.0
Strawberries, production	45.8	23.5	6.4	8.7	18.3	23.7	—	—	9.8
Bananas, production	9.1	. .	8.4	. .	20.0	. .	—	—	6.9
Vegetables									
Asparagus, production	32.1	12.9	31.0	27.7	68.7	74.3	—	—	11.2
Broccoli, production	13.0	5.4	6.3	17.8	16.8	8.2	—	—	3.6
Cabbages, production	21.5	5.4	19.7	27.3	20.6	13.6	—	—	7.2
Carrots, production	15.5	5.6	13.0	6.9	5.0	5.6	—	—	3.2
Cauliflowers, production	29.8	9.6	11.3	15.4	6.8	11.1	—	—	6.0
Celery, production	—	1.1	16.2	20.6	64.8	19.5	—	—	15.9
Lettuces, production	17.5	6.8	7.8	15.4	28.0	29.2	—	—	7.5
Onions, white and brown, production	23.3	9.4	9.1	8.4	10.3	4.5	—	—	4.9
Potatoes, production	7.9	6.4	6.0	5.2	19.1	2.9	—	—	2.7
Tomatoes, production	12.1	10.0	7.0	18.9	21.5	23.7	—	—	6.5
Livestock									
Total milk cattle	3.8	2.4	3.9	9.3	5.8	2.9	—	—	1.7
Total meat cattle	2.0	3.0	3.2	4.6	3.6	2.1	—	—	1.7
Total sheep and lambs	2.2	1.9	4.9	2.1	1.8	2.3	—	—	1.1
Total pigs	3.1	7.0	5.7	5.5	5.5	5.2	—	—	2.4

ABS DATA AVAILABLE ON REQUEST

10 As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to either Debbie Thomas on Hobart 03 6222 5948 or the National Information Service on 1300 135 070.

GENERAL ACKNOWLEDGMENT

11 ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PUBLICATIONS

12 A range of agricultural publications is produced by the ABS, including:

- *Agriculture, Australia* (Cat. no. 7113.0)
- *Agricultural Industries, Financial Statistics, Australia, Preliminary Estimates* (Cat. no. 7506.0)
- *Apparent Consumption of Selected Foodstuffs, Australia, Preliminary* (Cat. no. 4315.0)
- *Livestock Products, Australia* (Cat. no. 7215.0)
- *Principal Agricultural Commodities, Australia, Preliminary* (Cat. no. 7111.0)
- *Value of Principal Agricultural Commodities Produced, Australia, Preliminary* (Cat. no. 7501.0)

13 Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

FOR MORE INFORMATION...

INTERNET **www.abs.gov.au** the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.

LIBRARY A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require, or visit our web site for a list of libraries.

CPI INFOLINE For current and historical Consumer Price Index data, call 1902 981 074 (call cost 77c per minute).

DIAL-A-STATISTIC For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 77c per minute).

INFORMATION SERVICE

Data which have been published and can be provided within five minutes are free of charge. Our information consultants can also help you to access the full range of ABS information—ABS user-pays services can be tailored to your needs, time frame and budget. Publications may be purchased. Specialists are on hand to help you with analytical or methodological advice.

PHONE **1300 135 070**

EMAIL **client.services@abs.gov.au**

FAX 1300 135 211

POST Client Services, ABS, GPO Box 796, Sydney 1041

WHY NOT SUBSCRIBE?

ABS subscription services provide regular, convenient and prompt deliveries of ABS publications and products as they are released. Email delivery of monthly and quarterly publications is available.

PHONE 1300 366 323

EMAIL subscriptions@abs.gov.au

FAX 03 9615 7848

POST Subscription Services, ABS, GPO Box 2796Y, Melbourne 3001

2712100007992
ISSN 1442-7184

RRP $19.00

© Commonwealth of Australia 2001

Produced by the Australian Bureau of Statistics