Australian Bureau of Statistics

2003–04

7121.0

AGRICULTURAL COMMODITIES AUSTRALIA

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For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Gordon Cameron on Hobart (03) 6222 5939.

100 years of STATISTICS

www.abs.gov.au

NOTES

ABOUT THIS PUBLICATION

This publication contains final estimates for the main commodities collected in the 2003–04 Agricultural Survey. It contains detailed statistics on crops, livestock and livestock products, land use and industry and size characteristics of farms.

CHANGES IN THIS ISSUE

No changes in this issue.

MORE INFORMATION ON ABS AGRICULTURE STATISTICS

Information about ABS activities in the field of agriculture statistics is available from the Agriculture Statistics theme page on the ABS web site <http://www.abs.gov.au>. To access the theme page, select 'Themes' from the menu on the home page.

Susan Linacre
Acting Australian Statistician

ABBREVIATIONS

'000	thousand
ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
ANZSIC	Australian and New Zealand Standard Industrial Classification
Aust.	Australia
EVAO	Estimated Value of Agricultural Operations
ha	hectare
kg	kilogram
ML	megalitre
n.e.c.	not elsewhere classified
NSW	New South Wales
NT	Northern Territory
Qld	Queensland
RSE	relative standard error
SA	South Australia
SE	standard error
SLA	statistical local area
t	tonne
Tas.	Tasmania
Vic.	Victoria
WA	Western Australia

NUMBER OF FARMS

The 2003–04 Agricultural Survey found that the number of farms in Australia fell by 2% in the 12 months ending 30 June 2004, down from 133,000 to 131,000 farms, continuing the decline in farm numbers seen in previous years.

The beef cattle farming industry remained the largest in terms of farm numbers, with around 27% of all farms. The mixed farming sector (grain-sheep/beef cattle) was the next largest with around 12% of all farms, followed by the grain sector with 11%.

SIZE OF OPERATIONS

EVAO of operations

The median estimated value of agricultural operations (EVAO) of all farms was approximately $123,000 in 2003–04. Around 15% of all farms (20,200 farms) had an EVAO below $22,500, while at the other end of the scale, 14% (18,000 farms) had an EVAO above $500,000.

The majority of farms with EVAO below $22,500 were involved in beef cattle farming (11,700 farms) and sheep farming (2,000 farms) while the majority of farms with EVAO above $500,000 were involved in grain growing (5,500 farms), mixed grain-sheep/beef cattle farming (2,800 farms), dairy cattle farming (1,700 farms) and beef cattle farming (1,700 farms).

On an industry basis, the cotton, poultry for meat, grain, pig, and poultry for eggs farming industries were dominated by farms with large EVAOs, with around 76%, 54%, 38%, 34% and 32% respectively, having an EVAO greater than $500,000.

Area of operations

Most farms in 2003–04 were between 100 and 499 hectares in size, and accounted for 42,400 farms (or 32%). These farms were mainly engaged in beef cattle grazing, dairying, sheep grazing or mixed grain-sheep/beef cattle growing.

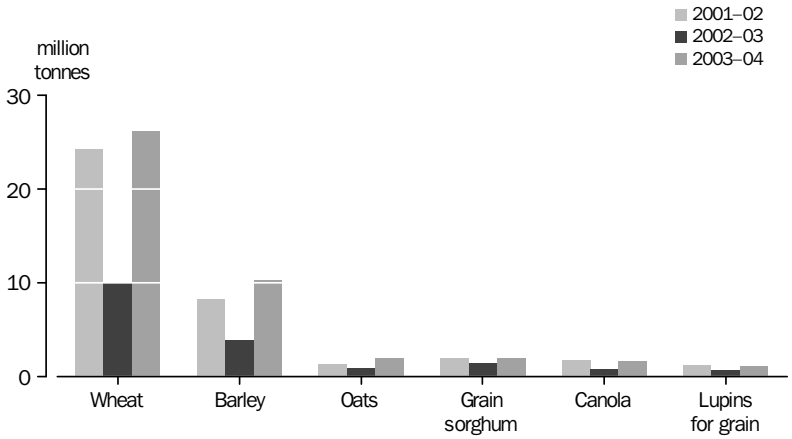
Small farms under 50 hectares were the second main size group and accounted for 25,100 farms (or 19%). These small farms were mainly engaged in grape growing, beef cattle grazing, fruit growing, vegetable growing and plant nursery operations.

Large farms of over 2,500 hectares accounted for 11% (14,700) of all farms and were mainly engaged in grazing or cropping operations.

OVERVIEW

The easing of widespread drought saw significant increases in production, with record or near record harvests reported for most of the major crops.

PRODUCTION OF MAJOR CROPS, Australia—2001–02 to 2003–04



CROPS FOR GRAIN

Wheat

Improved conditions in 2003–04 saw records for both area planted to wheat and wheat production. The total area planted increased by 17% to 13.1 million hectares. All states reported increases, with the largest reported in New South Wales (up 33% to 4.0 million hectares) and Western Australia (up 10% to 4.9 million hectares). Wheat production increased by 158% to 26.1 million tonnes, with nearly all states reporting significant increases. The largest were reported in Western Australia (up 174% to 11.1 million tonnes), and New South Wales (up 192% to 7.3 million tonnes).

Barley

The total area of barley planted increased by 16% to 4.5 million hectares. The largest areas planted were in Western Australia (1.3 million hectares) and South Australia (1.2 million hectares). Improved yields, combined with the increase in area planted, saw total production reach a record level of 10.4 million tonnes. The largest producers were Western Australia (up 135% to 3.2 million tonnes), South Australia (up 87% to 2.7 million tonnes) and Victoria (up 375% to 2.3 million tonnes).

Oats

The total area of oats planted increased by 20% to 1.1 million hectares. This was the fourth year of increased planting. Production increased by 111% to 2.0 million tonnes, the highest level reported since 1984. The largest producers were Western Australia (up 58% to 752,000 tonnes), New South Wales (up 309% to 610,000 tonnes) and Victoria (up 103% to 507,000 tonnes).

Grain sorghum

The total area of grain sorghum planted increased by 10% to 734,000 hectares. Production increased by 37% to 2.0 million tonnes, with significant increases in Queensland and New South Wales, the main growing states.

Lupins for grain

The total area planted to lupins for grain fell by 17% to 851,000 hectares due mainly to a 16% fall in the main growing state of Western Australia. This was the sixth annual decrease in lupins plantings and reflects a longer term trend towards oats and barley. Increased yields after drought saw total production increase by 63% to 1.2 million tonnes.

OTHER CROPS

Canola

Canola plantings fell by 7% to 1.2 million hectares, with falls in New South Wales and Victoria partly offset by increases in South Australia and Western Australia. Improved conditions in many areas saw production increase to pre-drought levels. Production rose by 96% to 1.7 million tonnes, with increases reported in all the main growing states.

Cotton lint

Continuing lack of water for irrigation saw plantings of cotton fall by 7% to 227,000 hectares. Total cotton lint production was down by 13% to 317,000 tonnes. Increases in plantings and production in Queensland were more than offset by decreases in New South Wales.

Rice

Some reductions in water restrictions in 2003–04 saw the area planted to rice increase by 45% to 66,400 hectares. Rice production increased by 26% to 553,000 tonnes, but this was still less than half the harvest from 'normal' years. The production of rice is entirely dependent on access to water, and the lingering effects of the drought continued to affect the major growing regions of New South Wales.

FRUIT

Grapes

In 2003–04 grape production rose by 35% to a record harvest of 2.0 million tonnes. The largest increases were reported in South Australia (up 44% to 886,000 tonnes), Victoria (up 31% to 532,000 tonnes) and New South Wales (up 25% to 483,000 tonnes). The total area of bearing vines increased by 5% to a record 151,000 hectares, with the main growing state of South Australia reporting an increase of 8% to a record 65,000 hectares.

Oranges

Orange production decreased by 34% to 395,000 tonnes after near record production in the previous year. Decreases were reported in the three main growing states of New South Wales (down 35% to 181,000 tonnes), South Australia (down 36% to 122,000 tonnes) and Victoria (down 39% to 69,400 tonnes). The total number of bearing orange trees fell by 4% to 6.8 million trees, due mainly to an 8% fall in tree numbers in New South Wales.

Bananas

Banana production fell by 3% to 257,000 tonnes, with falls in production reported in Queensland and New South Wales. The total bearing area of bananas rose by 2% to 10,900 hectares.

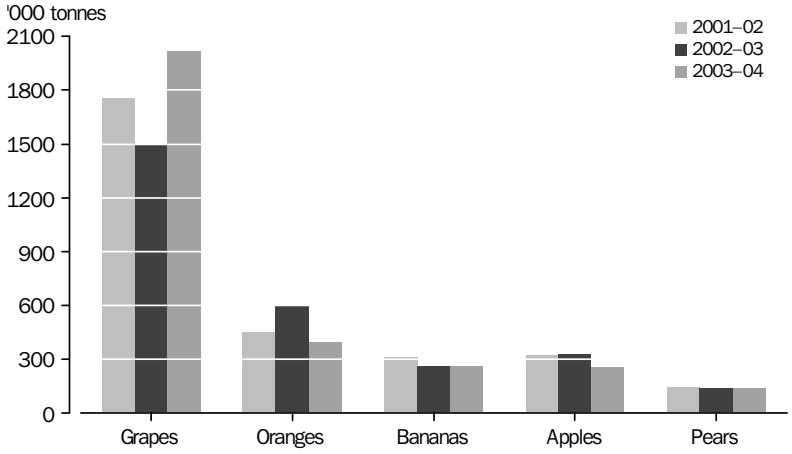
Apples

Apple production fell by 22% to 255,000 tonnes, with falls reported for every state except Queensland. The largest decreases in production were reported for Victoria (down 29% to 84,100 tonnes), New South Wales (down 23% to 47,700 tonnes) and Tasmania (down 29% to 37,300 tonnes. The total number of bearing apple trees rose by 6% to 8.9 million, with increases reported in all states except Tasmania.

Pears

Pear production rose by 2% to 139,000 tonnes. Victoria's production of 121,000 tonnes accounted for 87% of total Australian production. The total number of bearing pear trees rose by 6% to 1.4 million.

PRODUCTION OF MAJOR FRUIT CROPS, Australia—2001–02 to 2003–04



VEGETABLES

Potatoes

Production of potatoes in 2003–04 rose by 5% to 1.3 million tonnes, due mainly to a 25% increase in production in Victoria (up to 338,000 tonnes). The only state to report a fall in production was New South Wales (down 11% to 119,000 tonnes). The total area planted to potatoes remained steady at 36,100 hectares, with increases in plantings in Victoria, Tasmania, Western Australia and Queensland, offset by decreases in South Australia and New South Wales.

Tomatoes

Production of tomatoes rose by 30% to 474,000 tonnes, with significant increases reported in the three main growing states of Victoria (up 28% to 270,000 tonnes), Queensland (up 33% to 125,000 tonnes) and New South Wales (up 40% to 67,100 tonnes). The area planted to tomatoes rose by 16% to 8,500 hectares, with increases reported in all states except Western Australia.

Carrots

Production of carrots fell marginally to 303,000 tonnes, with falls in all states except South Australia and Tasmania. The area planted to carrots fell by 2% to 7,200 hectares, with falls in Victoria, Western Australia and Queensland partly offset by increases in South Australia and Tasmania. New South Wales remained steady.

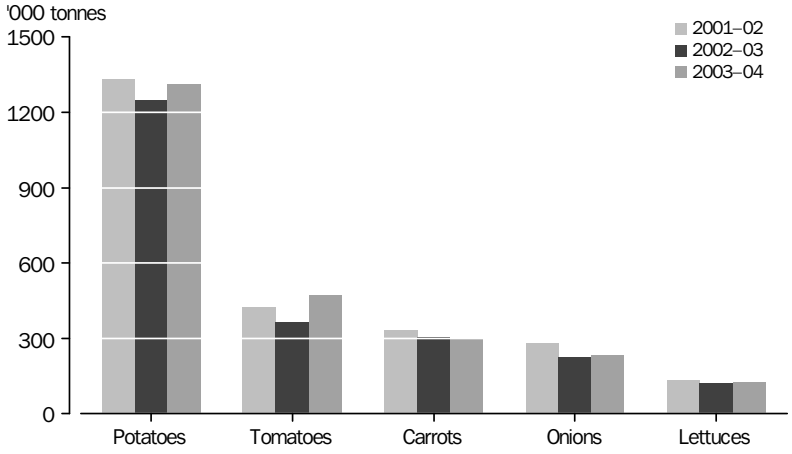
Onions

Production of onions rose slightly to 233,000 tonnes. Increases in production in Tasmania, New South Wales, Victoria and Western Australia were partly offset by decreases in South Australia, the main producing state, and Queensland. The area planted to onions rose by 6% to 5,600 hectares, with increases reported in all states except Queensland.

Lettuces

Production of lettuces rose by 5% to 127,000 tonnes. Increases in Queensland, Western Australia and South Australia were partly offset by falls in Victoria, New South Wales and Tasmania. The area planted to lettuces remained steady at 6,100 hectares.

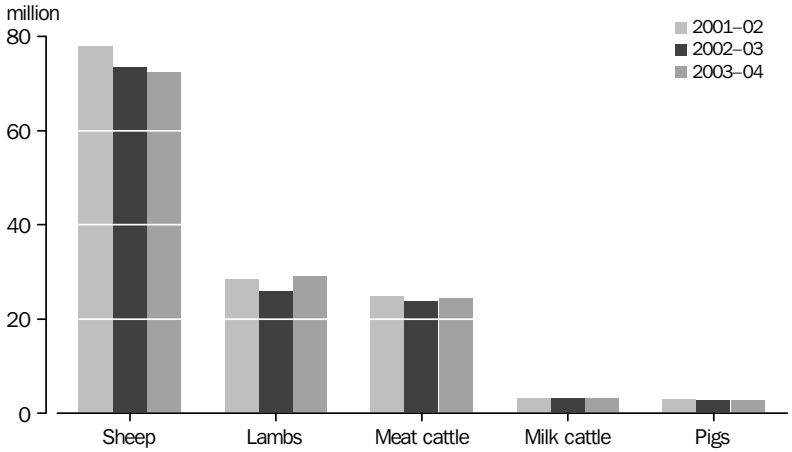
PRODUCTION OF MAJOR VEGETABLE CROPS, Australia—2001–02 to 2003–04



OVERVIEW

Cattle numbers recovered slightly in 2003–04, but were limited in their recovery by ongoing effects of drought in some areas and also by lower cow numbers available for breeding from the previous year. Sheep and lamb numbers also showed signs of recovery with better conditions contributing to improved lambing percentages. Pig numbers fell and chicken numbers were steady.

NUMBERS OF LIVESTOCK, Australia—2001–02 to 2003–04



MILK CATTLE

The number of milk cattle remained steady at 3.1 million head at 30 June 2004. A small decrease in milking cow numbers was offset by an increase in other milk cattle. The most significant movements were reported in Queensland (up 10% to 255,000), and Tasmania (down 6% to 189,000). Victoria had the majority of milk cattle, with its herd steady at 1.9 million.

MEAT CATTLE

Meat cattle numbers increased by 3% to 24.4 million after the badly drought-affected season in the previous year. Increases in meat cattle numbers were reported in Queensland (up 7% to 11.2 million head), Western Australia (up 8% to 2.0 million), Northern Territory (up 3% to 1.7 million) and Tasmania (up 3% to 496,000). These were partly offset by falls in Victoria (down 4% to 2.4 million) and South Australia (down 4% to 1.2 million). New South Wales remained steady at 5.4 million.

SHEEP AND LAMBS

Sheep and lamb numbers increased by 2% to 101 million, with lamb numbers up by 12%, but sheep numbers down slightly. This was due mainly to increases in the largest producing states of New South Wales (up 5% to 35.2 million) and Western Australia (up 5% to 25.1 million). However these were partly offset by falls in Victoria (down 2% to 20.0 million), South Australia (down slightly to 12.9 million) and Tasmania (down 4% to 3.2 million).

Lamb markings rose by 7% to 36.3 million, with increases reported in New South Wales (up 13% to 12.8 million), Western Australia (up 6% to 9.2 million) and Queensland (up 61% to 1.2 million). The number of ewes mated to produce these lambs was little changed from the previous year, with improved lambing percentages (up from 77.6% in 2002–03 to 83.0% in 2003–04) responsible for the increased numbers of lambs.

PIGS

Australian pig numbers fell by 4% to 2.5 million, with falls reported in all states except Queensland, which rose by 4%. Trends of recent years have shown an industry move away from New South Wales as the main pig-producing state, to Queensland, which has for the first time reported a bigger herd than New South Wales.

CHICKENS

The number of chickens for meat production remained steady at 70.7 million birds. Decreases in New South Wales and Western Australia were offset by increases in Victoria and Queensland. The number of chickens for egg production fell slightly to 12.7 million birds. Egg production remained steady at 193 million dozen.

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1 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By state—At 30 June 2004

ANZSIC code	*Description*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Aust.*
0111	Plant nurseries	629	287	446	99	^ 135	^ 31	17	4	1 648
0112	Cut flower and flower seed growing	^ 220	^ 169	^ 142	^ 52	^ 73	^ 24	5	—	685
0113	Vegetable growing	761	920	1 247	406	445	509	8	—	4 297
0114	Grape growing	1 240	2 058	^ 134	2 423	^ 563	^ 110	5	2	6 535
0115	Apple and pear growing	^ 173	^ 368	*45	*95	^ 155	133	—	2	971
0116	Stone fruit growing	435	301	*100	^ 206	^ 160	^ 42	—	—	1 244
0117	Kiwi fruit growing	**23	3	**3	—	*4	—	—	—	*33
0119	Fruit growing n.e.c.	1 700	452	1 853	416	304	^ 39	111	—	4 875
0121	Grain growing	3 717	3 143	1 530	3 528	2 673	^ 21	2	—	14 614
0122	Grain-sheep/beef cattle farming	6 983	2 796	1 409	2 271	2 783	^ 64	—	2	16 308
0123	Sheep-beef cattle farming	3 719	2 368	745	910	^ 460	318	—	22	8 541
0124	Sheep farming	5 084	3 402	^ 274	1 406	1 241	583	—	28	12 018
0125	Beef cattle farming	11 626	7 809	11 505	1 248	1 930	1 154	205	23	35 501
0130	Dairy cattle farming	1 439	6 412	1 120	503	342	542	1	—	10 359
0141	Poultry farming (meat)	309	^ 217	122	60	59	^ 14	1	—	781
0142	Poultry farming (eggs)	*174	*118	^ 63	^ 36	^ 59	^ 19	3	1	^ 474
0151	Pig farming	238	^ 168	^ 258	^ 123	^ 57	^ 25	2	—	870
0152	Horse farming	^ 615	^ 379	^ 541	*65	^ 89	*65	1	2	1 757
0153	Deer farming	1	**3	1	—	—	—	—	—	**5
0159	Livestock farming n.e.c.	^ 221	*276	*155	*64	*67	*14	3	1	^ 802
0161	Sugar cane growing	^ 514	—	4 039	—	*7	—	—	—	4 560
0162	Cotton growing	^ 229	—	337	—	—	—	—	—	566
0169	Crop and plant growing n.e.c.	^ 242	^ 575	^ 560	^ 165	*87	^ 73	9	—	1 710
01	*Agriculture*	*40 292*	*32 224*	*26 627*	*14 077*	*11 692*	*3 781*	*373*	*87*	*129 154*
99	*All other industries*	*^ 535*	*^ 239*	*^ 157*	**160*	*^ 185*	**85*	*9*	*1*	*1 372*
#	**Total all industries**	**40 827**	**32 463**	**26 785**	**14 238**	**11 876**	**3 866**	**382**	**88**	**130 526**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

2 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By EVAO—At 30 June 2004

ANZSIC code	Description	ESTIMATED VALUE OF AGRICULTURAL OPERATIONS ($'000) 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
0111	Plant nurseries	^ 190	^ 248	^ 363	^ 180	^ 154	224	^ 74
0112	Cut flower and flower seed growing	^ 133	^ 124	^ 177	^ 91	*58	^ 42	^ 21
0113	Vegetable growing	^ 478	^ 509	551	^ 377	292	560	394
0114	Grape growing	^ 699	^ 975	^ 1 324	^ 1 122	^ 688	861	^ 258
0115	Apple and pear growing	**74	*110	^ 122	*68	*87	^ 138	^ 119
0116	Stone fruit growing	^ 214	^ 237	^ 209	^ 163	^ 105	^ 160	*34
0117	Kiwi fruit growing	**8	**13	**10	—	—	—	—
0119	Fruit growing n.e.c.	802	^ 858	944	518	^ 346	540	^ 250
0121	Grain growing	^ 425	^ 796	1 078	1 012	1 262	2 582	1 967
0122	Grain-sheep/beef cattle farming	^ 444	^ 972	2 263	2 153	1 639	3 827	2 175
0123	Sheep-beef cattle farming	^ 738	^ 1 077	2 055	^ 1 173	^ 967	1 301	^ 648
0124	Sheep farming	^ 2 037	2 458	2 321	1 431	^ 1 136	1 456	^ 556
0125	Beef cattle farming	11 732	8 112	6 337	2 849	^ 1 540	2 245	^ 955
0130	Dairy cattle farming	*178	*231	^ 719	^ 1 258	^ 1 119	3 495	^ 1 626
0141	Poultry farming (meat)	**72	*29	*40	^ 19	*13	^ 90	^ 98
0142	Poultry farming (eggs)	**130	*20	*34	*32	*12	^ 58	^ 35
0151	Pig farming	*62	*54	*63	^ 83	^ 51	^ 160	^ 104
0152	Horse farming	^ 411	^ 590	^ 385	^ 173	*68	^ 89	**32
0153	Deer farming	1	**4	—	—	—	—	—
0159	Livestock farming n.e.c.	^ 483	*176	*49	*42	**11	**18	**10
0161	Sugar cane growing	**22	^ 280	^ 884	^ 861	^ 675	938	^ 423
0162	Cotton growing	**4	—	1	**7	**4	*55	*62
0169	Crop and plant growing n.e.c.	^ 424	^ 244	^ 238	^ 225	^ 126	*286	*41
01	*Agriculture*	*19 760*	*18 116*	*20 169*	*13 837*	*10 354*	*19 126*	*9 883*
99	*All other industries*	*^ 406*	*^ 235*	**170*	**168*	**80*	*^ 122*	**75*
#	**Total all industries**	**20 166**	**18 352**	**20 339**	**14 005**	**10 434**	**19 248**	**9 957**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

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

ANZSIC code	Description	ESTIMATED VALUE OF AGRICULTURAL OPERATIONS ($'000) *continued* 500.0 –999.9	1 000.0 –1 999.9	2 000.0 or more	Total establishments
0111	Plant nurseries	118	^ 73	^ 24	1 648
0112	Cut flower and flower seed growing	^ 19	^ 10	^ 9	685
0113	Vegetable growing	561	317	258	4 297
0114	Grape growing	^ 362	^ 170	^ 76	6 535
0115	Apple and pear growing	^ 92	^ 129	^ 32	971
0116	Stone fruit growing	^ 85	*15	*21	1 244
0117	Kiwi fruit growing	2	—	—	*33
0119	Fruit growing n.e.c.	324	185	107	4 875
0121	Grain growing	3 467	1 655	369	14 614
0122	Grain-sheep/beef cattle farming	2 111	610	^ 114	16 308
0123	Sheep-beef cattle farming	^ 480	^ 86	*18	8 541
0124	Sheep farming	488	^ 125	10	12 018
0125	Beef cattle farming	1 006	^ 450	275	35 501
0130	Dairy cattle farming	1 436	^ 269	*28	10 359
0141	Poultry farming (meat)	226	139	^ 56	781
0142	Poultry farming (eggs)	^ 79	^ 45	30	^ 474
0151	Pig farming	^ 129	^ 82	83	870
0152	Horse farming	6	3	—	1 757
0153	Deer farming	—	—	—	**5
0159	Livestock farming n.e.c.	**9	2	1	^ 802
0161	Sugar cane growing	^ 353	*106	*16	4 560
0162	Cotton growing	^ 201	^ 141	^ 89	566
0169	Crop and plant growing n.e.c.	^ 106	^ 14	6	1 710
01	*Agriculture*	*11 660*	*4 628*	*1 622*	*129 154*
99	*All other industries*	**67*	**30*	**18*	*1 372*
#	**Total all industries**	**11 727**	**4 658**	**1 639**	**130 526**

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— nil or rounded to zero (including null cells)

3 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By area—At 30 June 2004

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
0111	Plant nurseries	1 550	59	^ 29	*3	**8	—	—
0112	Cut flower and flower seed growing	598	^ 53	*34	1	—	—	—
0113	Vegetable growing	2 251	653	1 090	^ 178	85	40	1
0114	Grape growing	4 909	^ 784	675	^ 74	^ 50	*41	2
0115	Apple and pear growing	^ 483	^ 152	^ 296	**39	2	—	—
0116	Stone fruit growing	948	^ 154	^ 121	6	**14	—	—
0117	Kiwi fruit growing	*24	—	**9	—	—	—	—
0119	Fruit growing n.e.c.	3 427	690	605	^ 86	^ 46	20	1
0121	Grain growing	^ 350	^ 440	3 216	2 905	4 350	3 311	^ 41
0122	Grain-sheep/beef cattle farming	^ 237	*312	3 961	3 973	5 081	2 654	^ 81
0123	Sheep-beef cattle farming	*145	^ 542	2 815	1 879	1 672	1 196	^ 237
0124	Sheep farming	^ 757	^ 599	5 021	2 292	1 652	1 220	^ 344
0125	Beef cattle farming	4 694	5 484	13 496	3 789	3 144	3 639	^ 700
0130	Dairy cattle farming	^ 629	^ 1 719	7 005	^ 797	^ 181	21	**6
0141	Poultry farming (meat)	623	^ 61	^ 76	**12	*7	1	—
0142	Poultry farming (eggs)	^ 332	**80	^ 35	*10	*14	3	—
0151	Pig farming	^ 225	^ 147	307	^ 116	^ 56	19	1
0152	Horse farming	^ 625	^ 521	^ 465	*102	**27	*18	—
0153	Deer farming	—	**3	—	—	1	1	—
0159	Livestock farming n.e.c.	^ 420	*94	*134	**35	*45	*30	*35
0161	Sugar cane growing	^ 764	1 427	2 082	^ 192	*63	*33	—
0162	Cotton growing	**18	—	^ 122	^ 107	^ 180	^ 131	*8
0169	Crop and plant growing n.e.c.	^ 516	^ 367	^ 516	*216	*73	^ 20	—
01	*Agriculture*	*24 526*	*14 338*	*42 109*	*16 812*	*16 753*	*12 397*	*1 457*
99	*All other industries*	^ *577*	**183*	^ *307*	**154*	**64*	**76*	***10*
#	**Total all industries**	**25 103**	**14 521**	**42 415**	**16 966**	**16 817**	**12 472**	**1 467**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

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— nil or rounded to zero (including null cells)

ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By area—At 30 June 2004 *continued*

ANZSIC code	Description	AREA OF HOLDING (ha) *continued* 100 000 –199 999	200 000 –499 999	500 000 or more	Total establishments
0111	Plant nurseries	—	—	—	1 648
0112	Cut flower and flower seed growing	—	—	—	685
0113	Vegetable growing	—	—	—	4 297
0114	Grape growing	—	—	—	6 535
0115	Apple and pear growing	—	—	—	971
0116	Stone fruit growing	—	—	—	1 244
0117	Kiwi fruit growing	—	—	—	*33
0119	Fruit growing n.e.c.	—	—	—	4 875
0121	Grain growing	1	—	—	14 614
0122	Grain-sheep/beef cattle farming	**7	**2	—	16 308
0123	Sheep-beef cattle farming	*32	^19	4	8 541
0124	Sheep farming	^77	^51	5	12 018
0125	Beef cattle farming	^173	282	98	35 501
0130	Dairy cattle farming	1	—	—	10 359
0141	Poultry farming (meat)	—	—	1	781
0142	Poultry farming (eggs)	—	—	—	^474
0151	Pig farming	—	—	—	870
0152	Horse farming	—	—	—	1 757
0153	Deer farming	—	—	—	**5
0159	Livestock farming n.e.c.	**5	**5	—	^802
0161	Sugar cane growing	—	—	—	4 560
0162	Cotton growing	—	—	—	566
0169	Crop and plant growing n.e.c.	—	—	—	1 710
01	*Agriculture*	*^295*	*360*	*108*	*129 154*
99	*All other industries*	—	*1*	—	*1 372*
#	**Total all industries**	**^295**	**361**	**108**	**130 526**

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4 PRINCIPAL CROPS, Production—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Cereal for grain											
Barley											
Production ('000 t)	8 280	3 865	10 382	1 955	2 275	263	2 691	3 170	28	na	—
Area ('000 ha)	3 707	3 864	4 477	951	872	151	1 216	1 278	9	na	—
Yield (t/ha)	2.2	1.0	2.3	2.1	2.6	1.7	2.2	2.5	3.0	. .	—
Grain sorghum											
Production ('000 t)	2 021	1 465	2 009	709	**2	1 296	na	*1	na	1	—
Area ('000 ha)	823	667	734	212	**2	519	na	*1	na	—	—
Yield (t/ha)	2.5	2.2	2.7	3.3	*1.3	2.5	. .	*1.7	. .	1.9	—
Maize											
Production ('000 t)	454	310	^ 395	178	**7	^ 211	na	—	na	—	—
Area ('000 ha)	83	50	70	22	**1	^ 48	na	—	na	—	—
Yield (t/ha)	5.5	6.3	5.6	8.1	11.1	4.4	. .	5.4	. .	1.9	—
Oats											
Production ('000 t)	1 434	957	2 018	610	507	*5	137	752	7	na	—
Area ('000 ha)	784	911	1 089	449	194	*9	89	344	4	na	—
Yield (t/ha)	1.8	1.1	1.9	1.4	2.6	0.5	1.5	2.2	1.6	. .	3.1
Rice											
Production ('000 t)	1 192	438	553	550	*3	na	na	—	na	—	—
Area ('000 ha)	144	46	66	66	**1	na	na	—	na	—	—
Yield (t/ha)	8.3	9.6	8.3	8.4	*3.9	. .	. .	—	. .	—	—
Triticale											
Production ('000 t)	860	327	826	294	295	**2	153	^ 73	^ 8	na	—
Area ('000 ha)	409	408	445	135	141	**3	122	^ 42	2	na	—
Yield (t/ha)	2.1	0.8	1.9	2.2	2.1	**0.7	1.3	1.7	3.4	. .	—
Wheat											
Production ('000 t)	24 299	10 132	26 132	7 288	3 145	1 110	3 490	11 070	26	na	2
Area ('000 ha)	11 529	11 170	13 067	3 983	1 409	790	1 960	4 917	8	na	1
Yield (t/ha)	2.1	0.9	2.0	1.8	2.2	1.4	1.8	2.3	3.4	. .	3.3
Legumes											
Field peas for grain											
Production ('000 t)	513	178	^ 487	^ 19	*118	**—	246	103	^ 1	na	—
Area ('000 ha)	336	380	354	^ 22	110	**1	157	65	^ 1	na	—
Yield (t/ha)	1.5	0.5	^ 1.4	0.9	*1.1	**0.2	1.6	1.6	2.0	. .	—
Lupins for grain											
Production ('000 t)	1 215	726	1 180	56	^ 32	**—	^ 122	969	^ 1	na	—
Area ('000 ha)	1 139	1 025	851	69	28	**—	86	667	^ —	na	—
Yield (t/ha)	1.1	0.7	1.4	0.8	1.1	1.4	1.4	1.5	1.5	. .	—
Crops cut for hay											
Cereal crops for hay											
Production ('000 t)	1 717	1 581	2 964	538	^ 749	^ 185	583	898	^ 9	2	—
Area ('000 ha)	434	505	603	143	107	^ 48	129	173	^ 2	—	—
Yield (t/ha)	4.0	3.1	4.9	3.8	^ 7.0	^ 3.8	4.5	5.2	^ 3.9	6.1	2.9
Non-cereal crops for hay											
Production ('000 t)	124	^ 166	122	^ 25	^ 34	^ 14	^ 10	*12	*6	21	—
Area ('000 ha)	^ 41	^ 54	^ 37	^ 9	^ 13	^ 6	^ 3	*3	*1	3	—
Yield (t/ha)	3.0	3.1	3.3	^ 2.7	^ 2.7	2.3	^ 3.9	^ 4.4	^ 9.4	7.7	—

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na not available

PRINCIPAL CROPS, Production—Year ended 30 June *continued*

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Oilseeds											
Canola											
Production ('000 t)	1 756	871	1 703	438	384	—	354	527	—	na	1
Area ('000 ha)	1 332	1 298	1 211	366	239	—	247	358	—	na	—
Yield (t/ha)	1.3	0.7	1.4	1.2	1.6	—	1.4	1.5	1.5	. .	1.6
Total oilseeds											
Production ('000 t)	1 891	907	1 827	507	386	^ 51	355	527	—	—	1
Area ('000 ha)	1 447	1 355	1 321	411	242	^ 58	250	358	—	—	—
Yield (t/ha)	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
Other crops											
Cotton lint											
Production ('000 t)	675	^ 364	317	^ 172	na	145	na	—	na	na	na
Area ('000 ha)	458	245	227	^ 126	na	101	na	**—	na	na	na
Yield (t/ha)	1.5	1.5	1.4	^ 1.4	. .	1.4	. .	—	. .	. .	. .
Peanuts (in shell)											
Production ('000 t)	^ 29	^ 28	^ 44	**1	na	^ 42	na	na	na	1	na
Area ('000 ha)	^ 15	^ 10	^ 14	**—	na	^ 13	na	na	na	—	na
Yield (t/ha)	2.0	2.7	3.2	**3.5	. .	3.1	. .	. .	. .	4.7	. .
Sugar cane cut for crushing											
Production ('000 t)	31 424	36 995	36 993	*2 988	na	33 553	na	453	na	na	na
Area ('000 ha)	426	448	448	*30	na	414	na	4	na	na	na
Yield (t/ha)	73.7	82.5	82.6	^ 99.5	. .	81.1	. .	112.0	. .	. .	. .
Tobacco											
Production ('000 t)	6	6	^ 4	na	^ 3	*1	na	na	na	na	na
Area ('000 ha)	^ 2	2	^ 2	na	^ 1	*—	na	na	na	na	na
Yield (t/ha)	2.4	2.8	2.5	. .	2.4	2.7	. .	. .	. .	. .	. .
Pastures and grasses cut for hay											
Lucerne											
Production ('000 t)	978	957	1 204	394	351	*227	^ 138	^ 49	^ 25	19	—
Area ('000 ha)	206	169	229	87	66	*28	32	^ 11	^ 4	—	—
Yield (t/ha)	4.7	5.7	5.3	4.5	5.4	8.0	4.3	^ 4.5	^ 5.6	42.2	1.4
Other											
Production ('000 t)	3 046	2 209	3 373	442	1 841	^ 205	333	366	174	11	1
Area ('000 ha)	735	572	819	121	430	^ 33	96	95	39	4	—
Yield (t/ha)	4.1	3.9	4.1	3.7	4.3	^ 6.2	3.5	3.8	4.4	2.5	2.5
Total cut for hay											
Production ('000 t)	4 024	3 166	4 577	836	2 192	^ 432	471	415	200	30	1
Area ('000 ha)	941	740	1 048	208	495	^ 62	129	106	44	5	—
Yield (t/ha)	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .	. .
Pasture seed											
Production ('000 t)	31	^ 23	^ 35	*5	^ 11	^ 2	^ 12	*3	^ 3	—	—
Area ('000 ha)	105	91	^ 144	*19	^ 23	^ 32	*41	^ 25	^ 3	—	—
Yield (t/ha)	0.3	^ 0.3	0.2	*0.2	0.5	^ 0.1	^ 0.3	*0.1	0.9	0.3	—

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na not available

5 FRUIT AND NUTS, Production(a)—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Citrus											
Lemons and limes											
Production (t)	40 116	34 472	28 035	*5 316	^ 3 944	^ 9 257	8 246	*1 263	na	10	—
Trees ('000)	431	^ 446	438	^ 144	^ 53	^ 129	^ 96	*15	na	1	—
Yield (kg/tree)	93.1	77.3	63.9	^ 36.9	74.7	^ 71.8	86.0	^ 81.7	. .	7.7	—
Mandarins											
Production (t)	78 079	98 343	100 959	^ 4 417	^ 6 128	76 143	12 977	*1 294	na	—	—
Trees ('000)	1 383	1 573	1 582	^ 100	^ 104	1 135	209	^ 33	na	—	—
Yield (kg/tree)	56.5	62.5	63.8	^ 44.0	^ 58.8	67.1	62.0	^ 39.7	. .	2.4	—
Oranges											
Production (t)	450 559	599 484	395 164	181 422	^ 69 423	^ 16 998	121 577	*5 744	na	—	—
Trees ('000)	6 767	7 129	6 814	3 530	^ 1 255	^ 188	1 697	^ 145	na	—	—
Yield (kg/tree)	66.6	84.1	58.0	51.4	55.3	90.5	71.7	^ 39.7	. .	—	—
Pome											
Apples											
Production (t)	320 526	326 072	254 925	47 718	84 079	27 913	20 172	37 745	37 256	na	42
Trees ('000)	8 070	8 391	8 885	1 883	2 826	917	1 133	976	1 148	na	3
Yield (kg/tree)	39.7	38.9	28.7	25.3	29.8	30.4	17.8	38.7	32.5	. .	15.5
Pears (excl. Nashi)											
Production (t)	144 885	135 919	138 548	674	121 178	724	5 536	9 708	728	na	1
Trees ('000)	1 312	1 306	1 386	26	1 112	22	76	133	17	na	—
Yield (kg/tree)	110.5	104.1	100.0	26.0	109.0	33.6	73.2	72.8	42.1	. .	10.6
Stone											
Apricots											
Production (t)	^ 12 355	^ 19 742	^ 10 658	^ 308	^ 3 132	*186	^ 6 021	*321	^ 691	na	—
Trees ('000)	^ 411	^ 440	^ 478	*20	^ 226	*20	^ 171	*12	*29	na	—
Yield (kg/tree)	30.0	44.9	^ 22.3	*15.2	^ 13.8	**9.3	35.3	*26.6	*24.0	. .	—
Cherries											
Production (t)	^ 6 702	^ 9 460	^ 8 174	^ 3 847	^ 1 851	**23	^ 1 307	*227	*919	na	—
Trees ('000)	853	^ 1 075	1 071	^ 461	^ 203	**16	157	**53	*181	na	—
Yield (kg/tree)	7.9	^ 8.8	7.6	^ 8.4	^ 9.1	**1.5	8.3	**4.3	^ 5.1	. .	—
Nectarines											
Production (t)	28 823	29 754	25 006	*6 189	^ 11 685	^ 2 309	^ 1 422	^ 3 310	91	na	—
Trees ('000)	904	1 113	1 282	^ 310	^ 508	^ 184	^ 100	^ 169	11	na	—
Yield (kg/tree)	31.9	26.7	19.5	^ 19.9	23.0	*12.6	14.2	^ 19.6	8.2	. .	—
Peaches											
Production (t)	88 651	^ 97 229	^ 74 483	^ 8 902	^ 57 947	^ 2 437	^ 2 907	^ 2 214	75	na	—
Trees ('000)	1 587	^ 2 150	1 877	^ 455	^ 1 121	^ 132	^ 61	^ 101	6	na	—
Yield (kg/tree)	55.9	^ 45.2	^ 39.7	^ 19.6	^ 51.7	18.5	^ 48.0	^ 21.8	12.1	. .	—
Plums and prunes											
Production (t)	25 485	^ 33 183	24 437	^ 7 140	^ 7 034	*2 700	1 576	^ 5 977	**9	—	—
Trees ('000)	1 325	1 470	1 450	^ 508	^ 413	*101	^ 63	^ 359	^ 6	—	—
Yield (kg/tree)	19.2	22.6	16.9	^ 14.0	^ 17.0	^ 26.8	25.0	^ 16.6	*1.7	—	8.0
Other orchard fruit											
Avocados											
Production (t)	28 485	^ 40 531	^ 41 897	*15 454	**2 954	^ 20 447	*630	^ 2 412	na	—	—
Trees ('000)	572	681	^ 692	^ 174	**101	321	*40	^ 55	na	—	—
Yield (kg/tree)	49.8	^ 59.5	60.5	^ 88.9	29.1	63.6	*15.7	^ 43.5	. .	—	—
Mangoes											
Production (t)	40 973	38 970	37 169	^ 433	na	28 516	na	^ 2 192	na	6 027	—
Trees ('000)	1 006	1 044	1 257	^ 19	na	960	na	*113	na	165	—
Yield (kg/tree)	40.7	37.3	29.6	^ 23.3	. .	29.7	. .	**19.4	. .	36.4	—

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(a) Number of trees refers to trees of bearing age (i.e. for apples it is trees four years and over, for other fruit it is trees six years and over). Information on the total number of trees is available on request. Yield is based on the number of bearing trees or the bearing area.

FRUIT AND NUTS, Production(a)—Year ended 30 June *continued*

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Nuts											
Almond (kernel)											
Production (t)	10 040	9 554	9 430	**135	3 993	—	^5 302	na	na	na	—
Trees ('000)	1 575	905	868	**16	373	—	^479	na	na	na	—
Yield (kg/tree)	6.4	10.6	10.9	*8.6	10.7	—	11.1	. .	. .	. .	—
Macadamia											
Production (t)	25 446	24 347	29 173	^18 984	na	^10 189	na	na	na	na	—
Trees ('000)	2 452	2 808	3 095	^1 741	na	^1 354	na	na	na	na	—
Yield (kg/tree)	10.4	8.7	9.4	10.9	. .	7.5	. .	. .	. .	. .	—
Berry fruit											
Blueberries											
Production (t)	1 512	1 605	1 583	1 449	**119	na	na	na	**15	na	—
Area (ha)	348	^400	^377	309	*66	na	na	na	**3	na	—
Yield (t/ha)	4.4	4.0	4.2	4.7	*1.8	. .	. .	. .	**5.6	. .	—
Strawberries											
Production (t)	20 088	^22 834	^20 219	**166	*8 157	6 153	2 192	^3 337	^214	—	—
Area (ha)	986	^1 479	999	*12	^405	^329	88	136	*29	—	—
Yield (t/ha)	20.4	^15.4	20.2	^13.4	^20.1	18.7	24.9	24.5	*7.5	—	—
Tropical											
Bananas											
Production (t)	313 314	264 772	257 237	^21 656	na	226 090	na	^7 915	na	1 576	—
Area (ha)	12 583	10 659	10 861	^2 055	na	8 434	na	^292	na	80	—
Yield (t/ha)	24.9	24.8	23.7	10.5	. .	26.8	. .	27.2	. .	19.7	—
Pawpaws											
Production (t)	*11 314	*8 976	*5 027	**4	na	*4 768	na	**245	na	10	—
Area (ha)	^457	*623	^403	**4	na	*388	na	**11	na	1	—
Yield (t/ha)	^24.7	14.4	^12.5	**0.9	. .	^12.3	. .	22.5	. .	20.0	—
Pineapples											
Production (t)	119 328	104 743	110 417	—	na	110 397	na	na	na	20	—
Area (ha)	2 963	2 616	2 664	—	na	2 662	na	na	na	2	—
Yield (t/ha)	40.3	40.0	41.5	—	. .	41.5	. .	. .	. .	13.3	—

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(a) Number of trees refers to trees of bearing age (i.e. for apples it is trees four years and over, for other fruit it is trees six years and over). Information on the total number of trees is available on request. Yield is based on the number of bearing trees or the bearing area.

6 VEGETABLES, Production—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Asparagus											
Production (t)	13 950	12 223	^ 10 366	^ 642	^ 9 371	^ 297	—	*50	**7	—	—
Area (ha)	2 363	2 286	2 245	^ 214	^ 1 666	^ 315	—	*37	**13	—	—
Yield (t/ha)	5.9	5.4	4.6	3.0	5.6	^ 0.9	—	**1.4	**0.5	—	—
Beans, french and runner											
Production (t)	33 686	34 626	31 119	*486	2 574	13 925	**51	**1 606	12 476	—	—
Area (ha)	6 569	^ 6 951	7 097	*315	661	3 925	**13	**521	1 662	—	—
Yield (t/ha)	5.1	^ 5.0	4.4	**1.5	3.9	3.5	^ 3.9	^ 3.1	7.5	—	3.0
Broccoli											
Production (t)	45 901	55 083	51 539	*5 582	17 238	^ 12 612	*930	^ 7 817	7 361	—	—
Area (ha)	6 625	7 284	6 966	*1 121	2 657	^ 1 650	*118	*638	783	—	—
Yield (t/ha)	6.9	7.6	7.4	5.0	6.5	7.6	7.9	^ 12.3	9.4	—	—
Capsicums, chillies and peppers											
Production (t)	^ 43 083	^ 40 810	^ 56 319	*622	^ 979	^ 51 512	**532	*2 673	—	1	—
Area (ha)	2 419	^ 2 485	^ 2 838	^ 99	^ 96	^ 2 480	*75	*89	—	—	—
Yield (t/ha)	17.8	16.4	19.8	^ 6.3	^ 10.2	20.8	**7.1	^ 30.2	—	12.5	—
Carrots											
Production (t)	331 129	305 699	302 560	^ 34 823	62 591	^ 18 741	^ 55 638	78 156	52 612	na	—
Area (ha)	7 672	7 367	7 195	^ 965	1 689	*772	1 317	1 565	887	na	—
Yield (t/ha)	43.2	41.5	42.1	36.1	37.1	*24.3	42.3	50.0	59.3	. .	—
Cauliflowers											
Production (t)	87 586	72 973	78 281	*11 512	^ 16 669	^ 17 733	^ 9 121	17 160	6 086	na	—
Area (ha)	4 041	3 879	3 516	^ 442	^ 899	^ 748	^ 181	937	309	na	—
Yield (t/ha)	21.7	18.8	22.3	^ 26.0	18.5	23.7	50.4	18.3	19.7	. .	—
Green peas											
For processing											
Production (t)	28 072	27 095	29 471	—	—	^ 903	—	**31	28 537	na	—
Area (ha)	5 528	5 147	5 374	—	—	^ 190	—	**71	5 112	na	—
Yield (t/ha)	5.1	5.3	5.5	—	—	4.7	—	**0.4	5.6	. .	—
Sold in pod											
Production (t)	680	*742	^ 596	*157	^ 121	*316	—	*1	**—	na	—
Area (ha)	^ 451	^ 380	^ 357	*191	^ 67	*91	—	**7	**—	na	—
Yield (t/ha)	^ 1.5	*2.0	^ 1.7	*0.8	^ 1.8	*3.5	—	**0.1	**1.2	. .	—
Lettuces											
Production (t)	135 015	121 508	127 228	^ 18 120	31 221	50 015	^ 9 435	^ 15 739	*2 698	—	—
Area (ha)	5 970	6 134	6 121	^ 787	2 002	2 178	^ 326	^ 567	*261	—	—
Yield (t/ha)	22.6	19.8	20.8	23.0	15.6	23.0	^ 28.9	27.8	**10.3	—	—
Melons											
Rock and cantaloupe											
Production (t)	74 101	64 150	76 667	^ 14 801	*5 027	43 154	*375	11 850	—	1 460	—
Area (ha)	3 049	2 635	2 836	^ 561	^ 280	1 333	*13	543	—	105	—
Yield (t/ha)	24.3	24.4	27.0	26.4	17.9	32.4	28.2	21.8	—	13.9	—
Water											
Production (t)	99 686	^ 110 955	^ 126 877	^ 6 962	^ 3 531	*90 844	**64	24 017	—	1 460	—
Area (ha)	4 470	^ 4 335	^ 3 736	^ 316	119	^ 2 428	**25	719	—	129	—
Yield (t/ha)	22.3	25.6	^ 34.0	^ 22.1	29.7	^ 37.4	**2.5	33.4	—	11.3	—
Mushrooms											
Production (t)	43 412	39 288	46 265	^ 13 546	12 726	^ 11 166	3 866	np	np	—	—
Area (ha)	134	128	^ 153	^ 52	57	^ 18	14	np	np	—	—
Yield (t/ha)	323.7	308.1	302.3	259.6	221.3	^ 631.4	276.7	np	np	—	—

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

. . not applicable

— nil or rounded to zero (including null cells)

na not available

np not available for publication but included in totals where applicable, unless otherwise indicated

VEGETABLES, Production—Year ended 30 June *continued*

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Onions, white and brown											
Production (t)	282 516	228 608	233 354	^ 30 602	18 246	^ 23 856	^ 81 186	14 722	64 743	—	—
Area (ha)	5 513	5 263	5 558	*912	^ 486	^ 700	^ 1 976	220	1 263	—	—
Yield (t/ha)	51.2	43.4	42.0	^ 33.6	37.6	34.1	41.1	66.8	51.2	—	—
Potatoes											
Production (t)	1 333 158	1 247 268	1 310 385	119 104	^ 337 943	^ 119 164	330 690	75 875	327 608	—	—
Area (ha)	37 943	35 899	36 120	4 625	^ 9 140	^ 4 755	8 940	1 898	6 762	—	—
Yield (t/ha)	35.1	34.7	36.3	25.8	37.0	25.1	37.0	40.0	48.4	—	—
Pumpkins											
Production (t)	96 331	93 226	94 644	^ 20 735	^ 4 931	^ 45 352	*3 492	^ 17 894	^ 1 707	532	—
Area (ha)	6 477	6 584	5 901	^ 1 253	*272	^ 3 205	^ 189	^ 829	^ 111	41	—
Yield (t/ha)	14.9	14.2	16.0	16.6	*18.1	14.1	18.5	21.6	15.4	13.0	—
Tomatoes											
Production (t)	424 950	364 368	474 220	^ 67 118	270 195	^ 125 003	*2 655	*8 082	*1 162	3	—
Area (ha)	8 477	7 309	8 460	^ 1 344	3 345	^ 3 490	*146	^ 110	*24	1	—
Yield (t/ha)	50.1	49.9	56.1	49.9	80.8	35.8	**18.2	^ 73.4	*49.3	6.0	—

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

* estimate has a relative standard error of 25% to 50% and should be used with caution

** estimate has a relative standard error greater than 50% and is considered too unreliable for general use

— nil or rounded to zero (including null cells)

7 GRAPES, Production(a)—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
AREA OF VINES AT HARVEST (ha)											
Bearing	143 373	142 793	150 561	35 975	34 929	2 150	64 961	11 068	1 048	352	78
Not yet bearing: planted or grafted prior to collection year	8 264	8 412	7 800	1 841	1 775	218	3 202	659	85	—	21
Not yet bearing: planted or grafted during collection year	6 958	6 288	5 819	1 221	1 825	195	2 149	357	72	—	—
Total area of vines	**158 594**	**157 492**	**164 181**	**39 036**	**38 529**	**2 562**	**70 312**	**12 085**	**1 205**	**352**	**99**
GRAPE PRODUCTION (fresh weight) (t)											
Winemaking	1 514 501	1 329 595	1 816 556	450 516	384 896	5 162	880 075	87 523	7 861	—	523
Drying	152 863	92 264	129 489	19 748	104 860	68	3 822	991	—	—	—
Table and other	86 524	75 080	68 920	12 299	42 494	7 283	2 101	3 556	—	1 186	—
Total production	**1 753 888**	**1 496 939**	**2 014 965**	**482 563**	**532 251**	**12 512**	**885 999**	**92 070**	**7 861**	**1 186**	**523**
Yield (t/ha)(b)	12.2	10.5	13.4	13.4	15.2	5.8	13.6	8.3	7.5	3.4	6.7

— nil or rounded to zero (including null cells)

(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.

8 LIVESTOCK SLAUGHTERINGS AND PRODUCTS—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Livestock slaughterings(a)(b)											
Cattle ('000)	7 624	8 083	7 753	1 616	1 557	3 564	343	463	205	5	—
Calves ('000)	963	1 146	1 026	222	659	85	7	5	47	1	—
Sheep ('000)	14 441	13 657	10 421	3 310	3 079	893	947	1 845	346	—	—
Lambs ('000)	17 400	16 870	16 562	4 047	6 471	261	2 971	2 392	419	—	—
Pigs ('000)	5 402	5 742	5 591	1 751	973	1 318	821	674	44	9	—
Chickens ('000)(c)(d)	415 556	419 181	423 742	149 359	120 346	77 472	np	np	np	np	np
Livestock products											
Meat(a)(e)											
Beef ('000 t)	1 996	2 035	1 998	402	361	975	87	117	55	1	—
Veal ('000 t)	31	38	35	14	15	4	—	—	1	—	—
Mutton ('000 t)	296	268	220	73	60	19	23	37	7	—	—
Lamb ('000 t)	348	329	341	82	131	5	68	47	8	—	—
Pig meat ('000 t)	396	420	406	130	70	100	58	45	2	—	—
Chicken meat ('000 t)(d)(f)	667	690	694	248	205	118	np	np	np	np	np
Wool(g)											
Shorn wool (incl. crutchings) (t)	536 870	r502 974	466 813	163 097	93 791	18 546	66 413	110 608	13 867	—	491
Other wool (t)(h)	50 404	48 133	41 977	10 968	14 561	1 731	6 063	7 449	1 171	—	34
Total wool produced (t)	***587 274***	r***551 107***	***508 791***	***174 065***	***108 352***	***20 278***	***72 476***	***118 057***	***15 038***	—	***525***
Whole milk (ML)(i)(j)	11 271	10 328	10 075	1 271	6 434	674	703	403	590	np	np
Eggs ('000 dozen)	187 027	190 706	^ 193 045	^ 57 929	*48 780	^ 41 589	^ 15 059	^ 19 839	^ 4 791	1 039	4 020

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* estimate has a relative standard error of 25% to 50% and should be used with caution

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

r revised

(a) Source: *Livestock Products, Australia* (cat. no. 7215.0).

(b) Includes estimates of animals slaughtered on farms and by country butchers.

(c) Comprises broilers, fryers and roasters.

(d) Australian total excludes Tasmania, the Northern Territory and the Australian Capital Territory.

(e) Dressed carcass weight, excluding offal.

(f) Dressed weight of whole birds, pieces and giblets.

(g) Data collected on basis of state of production.

(h) Comprises dead wool and wool on skins.

(i) Source: Dairy Australia.

(j) Data for Australian Capital Territory are included in New South Wales; data for Northern Territory are included in South Australia.

9 CATTLE—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
CATTLE											
Milk cattle(a)											
Cows in milk and dry ('000)	2 123	2 050	2 038	248	1 297	171	116	74	133	—	—
Other milk cattle ('000)	1 008	999	1 016	152	593	84	72	59	56	—	—
Total milk cattle and calves ('000)	***3 131***	***3 049***	***3 055***	***400***	***1 890***	***255***	***188***	***133***	***189***	—	—
Meat cattle											
Bulls and bull calves used or intended for service ('000)	620	570	617	145	55	280	31	50	11	45	—
Other calves under one year ('000)	5 679	5 292	5 260	1 142	652	2 114	347	461	130	411	2
Cows and heifers one year and over ('000)	12 652	12 245	12 570	2 873	1 185	5 638	568	1 049	233	1 019	5
Other cattle one year and over ('000)	5 788	5 508	5 964	1 257	497	3 213	218	402	121	255	1
Total meat cattle and calves ('000)	***24 739***	***23 615***	***24 410***	***5 416***	***2 390***	***11 245***	***1 164***	***1 962***	***496***	***1 730***	***8***
Total cattle and calves ('000)	**27 870**	**26 664**	**27 465**	**5 816**	**4 281**	**11 500**	**1 352**	**2 095**	**684**	**1 730**	**8**
Proportion of total herd											
Milk cattle (%)	11.2	11.4	11.1	6.9	44.2	2.2	13.9	6.3	27.6	—	—
Meat cattle (%)	88.8	88.6	88.9	93.1	55.8	97.8	86.1	93.7	72.4	100.0	100.0
NUMBER OF ESTABLISHMENTS WITH CATTLE											
Milk cattle(a)											
Cows in milk and dry	10 494	10 448	10 212	1 574	5 901	1 329	509	346	553	—	—
Other milk cattle	11 207	11 030	10 372	1 521	6 204	^ 1 191	559	373	524	—	1
Total milk cattle and calves	***11 890***	***11 865***	***11 211***	***1 723***	***6 477***	***1 425***	***599***	***395***	***590***	—	***1***
Meat cattle											
Bulls and bull calves used or intended for service	52 494	52 962	52 299	19 244	10 720	13 517	3 551	3 413	1 620	190	43
Other calves under one year	52 069	52 236	49 725	18 001	10 810	12 435	3 581	3 005	1 674	179	40
Cows and heifers one year and over	60 342	62 543	60 720	22 414	12 871	15 183	4 158	3 805	2 036	197	56
Other cattle one year and over	44 238	44 545	43 629	14 062	9 208	12 902	2 799	2 819	1 643	171	25
Total meat cattle and calves	***69 671***	***71 292***	***69 434***	***25 011***	***15 580***	***16 893***	***4 746***	***4 328***	***2 609***	***208***	***59***
Total establishments with cattle	**76 751**	**77 734**	**75 427**	**25 827**	**19 536**	**17 462**	**5 029**	**4 423**	**2 883**	**208**	**59**

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution

— nil or rounded to zero (including null cells)

(a) Excluding house cows.

10 SHEEP—Year ended 30 June 2004

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
SHEEP											
Sheep ('000)	77 770	73 394	72 365	25 029	14 392	3 782	8 876	17 788	2 422	na	75
Lambs under one year ('000)	28 395	25 858	28 922	10 198	5 586	1 042	4 041	7 275	761	na	20
Total sheep and lambs ('000)	**106 166**	**99 252**	**101 287**	**35 227**	**19 978**	**4 824**	**12 917**	**25 063**	**3 183**	—	**95**
LAMBING											
Ewes mated to produce lambs ('000)	45 813	43 741	43 772	15 400	8 303	1 939	5 692	11 136	1 271	—	32
Lambs marked ('000)	37 694	33 932	36 313	12 786	7 098	1 195	4 941	9 172	1 098	—	23
Proportion of lambs marked to ewes mated (%)	82.3	77.6	83.0	83.0	85.5	61.6	86.8	82.4	86.4	—	73.1
Ewes expected to lamb next year ('000)(a)	46 457	45 519	46 333	16 351	8 779	2 429	5 901	11 444	1 391	na	36
NUMBER OF ESTABLISHMENTS WITH SHEEP											
Sheep	47 088	46 354	45 409	16 977	11 047	1 833	7 248	6 742	1 512	na	50
Lambs under one year	39 101	37 241	37 778	14 322	9 027	1 398	6 117	5 762	1 116	na	37
Total establishments with sheep	**48 092**	**47 199**	**46 178**	**17 273**	**11 329**	**1 841**	**7 318**	**6 806**	**1 560**	—	**50**

— nil or rounded to zero (including null cells)

na not available

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

11 PIGS—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
PIGS											
Boars ('000)	17	14	13	^ 4	^ 2	^ 3	^ 2	^ 2	^ —	—	na
Breeding sows ('000)	313	301	282	^ 80	^ 55	^ 67	^ 45	^ 33	^ 2	—	na
Gilts intended for breeding ('000)	43	^ 51	36	^ 9	^ 10	^ 7	^ 5	^ 4	* —	—	na
All other pigs ('000)	2 568	2 292	2 217	^ 531	^ 479	614	^ 326	^ 253	^ 12	2	na
Total pigs ('000)	**2 940**	**2 658**	**2 548**	**^ 624**	**^ 547**	**691**	**^ 378**	**^ 291**	**^ 14**	**3**	na
NUMBER OF ESTABLISHMENTS WITH PIGS											
Boars	2 471	2 097	1 847	552	294	357	385	218	40	2	na
Breeding sows	2 580	2 240	1 945	572	343	349	396	241	41	3	na
Gilts intended for breeding	1 588	1 247	1 086	301	208	^ 219	227	95	* 35	2	na
All other pigs	2 941	2 574	2 244	653	365	485	462	225	50	4	na
Total establishments with pigs	**3 242**	**2 859**	**2 505**	**723**	**451**	**487**	**488**	**279**	**72**	**4**	na

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution
* estimate has a relative standard error of 25% to 50% and should be used with caution
— nil or rounded to zero (including null cells)
na not available

12 CHICKENS—Year ended 30 June

	Aust.			2004							
	2002	*2003*	*2004*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
Chickens											
For meat production ('000)	72 739	70 913	70 735	26 764	^ 21 667	11 577	np	^ 6 029	np	—	—
For egg production ('000)	12 858	12 913	12 669	^ 3 208	^ 2 919	^ 3 330	^ 1 201	^ 1 376	^ 343	71	220

^ estimate has a relative standard error of 10% to less than 25% and should be used with caution
— nil or rounded to zero (including null cells)
np not available for publication but included in totals where applicable, unless otherwise indicated

13 LAND USE, Area—Year ended 30 June

	NSW	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Aust.*
	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha	'000 ha
AREA PLANTED TO CROPS(a)									
2002	6 635	2 958	2 683	4 175	7 525	78	6	—	24 060
2003	6 040	3 283	2 263	4 337	7 556	74	7	2	23 562
2004	7 241	3 479	2 745	4 454	8 079	73	7	2	26 080
AREA OF FARMS(b)									
2002	63 386	12 780	141 388	53 505	108 955	1 775	65 166	52	447 007
2003	65 126	13 413	139 042	54 139	102 728	1 771	63 263	50	439 531
2004	63 581	13 619	144 288	52 520	101 184	1 745	63 124	50	440 110
AREA OF NON-AGRICULTURAL LAND(c)									
2002	16 678	9 962	31 677	44 843	144 033	5 065	69 747	184	322 196
2003	14 938	9 329	34 023	44 209	150 260	5 069	71 650	186	329 672
2004	16 484	9 123	28 777	45 829	151 803	5 095	71 789	186	329 093
TOTAL LAND AREA(d)									
2004	**80 064**	**22 742**	**173 065**	**98 348**	**252 988**	**6 840**	**134 913**	**236**	**769 202**

— nil or rounded to zero (including null cells)

(a) Excludes crops harvested for hay and seed, and pastures and grasses.

(b) Total area of establishments with EVAO of $5,000 or more.

(c) Non-agricultural land is the difference between agricultural land as reported in the Agricultural Survey and total area of the state or territory. It 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 and mangrove swamps, as well as establishments not included in the scope of the Agricultural Survey.

(d) Total area for Australia includes Jervis Bay.

Note: Agricultural land is generally divided into cropped land, land sown to pasture and grasses and a broad balance comprising grazing land, land lying idle or under fallow, etc.

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains final estimates for the main commodities collected in the 2003–04 Agricultural Survey and related Supplementary Collections (i.e. Apples and Pears Collection and Vineyards Collection). It contains detailed statistics on crops, livestock and livestock products and industry and size characteristics of farms.

GENERAL

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

SCOPE AND COVERAGE

3 Estimates of farm production are based on information obtained from the Agricultural Survey conducted at 30 June 2004. Prior to 1999–2000 information was obtained for the period ending 31 March. The Australian Bureau of Statistics (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.

4 The scope of the 2003–04 Agricultural Survey is establishments undertaking agricultural activity with an estimated value of agricultural operations (EVAO) of $5,000 or more. This is the same as the scope for Agricultural Censuses from 1993–94 to 1996–97 and for 2000–01, and the Agricultural Surveys from 1997–98 to 1999–2000, 2001–02 and 2002–03. Prior to 1993–94 scope has varied and these details are available on request.

5 From 2005–06 the ABS will use the Australian Business Register as the main source of frames for its agricultural surveys. Until then, the Agriculture Survey sample will be selected from the 2001–02 survey frame.

6 For the 2002–03 Agriculture Survey, a sub-sample of 28,000 units was selected from the stratified random sample of 35,000 farms selected in the previous year. This helped control the estimates of movement for that year which was particularly important given the impact of the drought.

7 The sample for the 2003–04 Agriculture Survey included the same 28,000 units selected for the 2002–03 survey. A further 3,000 units were selected to cover sample loss due to units in the original selections having ceased farming, and to improve relative standard errors where commodities were approaching or exceeding design parameters in the 2002–03 Agriculture Survey. A proportion of the 3,000 units was also used to sample units that commenced farming since 2001–02. This strategy was used to help ensure good estimates of movements as parts of Australia move out of the drought.

AGRICULTURAL ESTABLISHMENTS

8 An agricultural 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 Statistical Local Area (SLA) or contiguous SLAs. The majority of establishments operate at one location only.

INDUSTRY CLASSIFICATION

9 Since 1991–92, units in the Agricultural Census and the Agricultural Survey have been classified according to the methodology described in *Australian and New Zealand Standard Industrial Classification (ANZSIC)* (cat. no. 1292.0). Prior to 1991–92, establishments were classified according to the methodology described in the 1983 edition of *Australian Standard Industrial Classification (ASIC), Volume 1 – The Classification* (cat. no. 1201.0). Therefore care should be taken when making comparisons between years where different classifications have been used.

SAMPLE ERROR

10 The estimates in this publication are based on information obtained from a sample drawn from the total farm population in scope of the collection, 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 in the Agricultural Survey. One measure of the

SAMPLE ERROR *continued*

likely difference is given by the standard error (SE) which indicates the extent to which an estimate might vary 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 SE from the figure that would have been obtained if all farms had responded, and about nineteen chances in twenty that the difference will be less than two SEs.

11 In this publication, 'sampling' variability of the estimates is measured by the relative standard error (RSE) which is obtained by expressing the SE as a percentage of the estimate to which it refers.

12 Most published national estimates have RSEs less than 5%. For some states with limited production of certain commodities, RSEs are greater than 10%. Estimates that have an estimated relative standard error between 10% and 25% are annotated with the symbol '^'. These estimates should be used with caution as they are subject to sampling variability too high for some purposes. Estimates with an RSE between 25% and 50% are annotated with the symbol '*', indicating that the estimate should be used with caution as it is subject to sampling variability too high for most practical purposes. Estimates with an RSE greater than 50% are annotated with the symbol '**' indicating that the sampling variability causes the estimates to be considered too unreliable for general use. Separate indication of the RSEs of all estimates is available on request.

13 A table with RSEs for selected commodities follows:

RELATIVE STANDARD ERRORS OF SELECTED COMMODITIES—At 30 June 2004

	NSW	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*	*Aust.*
	%	%	%	%	%	%	%	%	%
Barley for grain, production	3.4	2.6	5.9	2.3	2.5	5.3	. .	—	1.4
Canola, production	4.6	4.1	—	4.9	5.1	17.6	. .	—	2.3
Lupins for grain, production	6.8	9.7	70.1	6.5	3.7	17.0	. .	—	2.8
Oats for grain, production	3.6	4.2	18.0	5.2	3.2	7.3	. .	—	2.0
Wheat for grain, production	2.0	2.5	4.7	2.1	1.9	6.3	. .	—	1.1
Oranges, production	5.8	15.2	17.4	8.8	15.5	—	—	—	4.4
Carrots, production	26.6	9.0	17.3	15.5	13.3	6.7	—	—	5.3
Potatoes, production	14.7	11.6	11.1	7.9	11.7	4.9	—	—	4.1
Tomatoes, production	21.9	33.9	13.1	23.6	19.5	24.7	—	—	11.0
Total meat cattle	1.7	2.4	1.8	3.1	3.1	2.5	—	—	1.0
Total milk cattle	5.1	3.8	8.4	5.9	6.8	4.6	—	—	2.6
Total sheep and lambs	2.0	2.1	6.8	2.1	1.8	3.4	—	—	1.0
Total pigs	10.1	13.0	9.4	11.4	12.5	23.4	—	. .	5.0

. . not applicable
— nil or rounded to zero (including null cells)

CROPS, PASTURES AND HORTICULTURE

14 Statistics on area and production of crops relate, in the main, to crops sown during the year ended 30 June. Statistics of perennial crops relate to the position at 30 June and the production during the year ended on that date, or fruit set by that date. Statistics for apples and pears and grapes, which in some states are harvested after 30 June, are collected by supplementary collection forms and are included in this publication.

LIVESTOCK SLAUGHTERING AND LIVESTOCK PRODUCTS

15 The statistics on livestock slaughtering and meat production are based on data collected from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms and by country butchers and other small slaughtering establishments. Care should be taken when using this information as the figures only relate to slaughtering for human consumption and do not include animals condemned or those killed for boiling down. Definitions of livestock categories may differ between states and within states, particularly with regard to calves.

WOOL

16 Wool production statistics contained in this publication are derived from the quarterly ABS Wool Brokers and Dealers Receivals Collection and are published on the basis of state of production.

17 Wool receivals statistics show the amount of taxable wool received by brokers and dealers from wool producers. It excludes wool received by brokers on which wool tax has already been paid by other dealers (private buyers) or brokers.

MILK

18 Milk statistics have been collected and provided to the ABS by Dairy Australia. Data for the Australian Capital Territory are included with New South Wales; data for the Northern Territory are included with South Australia.

POULTRY SLAUGHTERING

19 Poultry slaughtering statistics have been compiled from quarterly returns supplied by commercial poultry slaughtering establishments. Producers in Tasmania, the Northern Territory and the Australian Capital Territory are not included in the aggregates derived from the Poultry and Game Birds Slaughtered collection. However, the statistics represent a high level of coverage.

ABS DATA AVAILABLE ON REQUEST

20 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 the National Information and Referral Service on 1300 135 070 or Gordon Cameron on Hobart (03) 6222 5939.

GENERAL ACKNOWLEDGMENT

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