Australian Bureau of Statistics

2010–11

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.

NOTES

ABOUT THIS PUBLICATION

This publication contains final estimates for the main commodities collected in the 2010–11 Agricultural Census. Included are statistics on land use, industry activity, crop and horticultural area and production, and livestock numbers.

Data at sub-state geographies such as Murray Darling Basin (MDB), Natural Resource Management (NRM) region, Statistical Division (SD), Statistical Local Area (SLA), Statistical Area 4 (SA4), Statistical Area 2 (SA2), River Basin and Drainage Division geographical levels will be released as separate datacubes attached to this publication in August 2012.

Additional content, attached to this publication as data cubes, includes: detailed commodity data and land use and management data for all states, territories and Australia.

The estimates in this publication are based on the Australian and New Zealand Standard Industrial Classification (ANZSIC) 2006 edition, which was adopted for the first time in 2005–06.

Further data from the 2010–11 Agricultural Census collection has been released in *Water Use on Australian Farms* (cat. no. 4618.0) and *Value of Agricultural Commodities Produced* (cat. no. 7503.0).

CHANGES IN THIS ISSUE

The Agricultural Census produces more detailed data on agricultural commodities and livestock breakdowns in comparison to the Agricultural Resource Management Survey (ARMS). For further details refer to the Explanatory Notes.

Brian Pink
Australian Statistician

ABBREVIATIONS

'000	thousand
ABN	Australian Business Number
ABR	Australian Business Register
ABS	Australian Bureau of Statistics
ABSBR	Australian Bureau of Statistics Business Register
ACT	Australian Capital Territory
ANZSIC	Australian and New Zealand Standard Industrial Classification
ARMS	Agricultural Resource Management Survey
AS	Agricultural Survey
ATO	Australian Taxation Office
Aust.	Australia
BAS	Business Activity Statement
EVAO	Estimated Value of Agricultural Operations
ha	hectare
kg	kilogram
MDB	Murray-Darling Basin
n.e.c.	not elsewhere classified
NRM	natural resource management
NSW	New South Wales
NT	Northern Territory
Qld	Queensland
RSE	relative standard error
SA	South Australia
SA2	Statistical Area Level 2
SA4	Statistical Area Level 4
SD	statistical division
SE	standard error
SLA	statistical local area
t	tonne
Tas.	Tasmania
Vic.	Victoria
WA	Western Australia

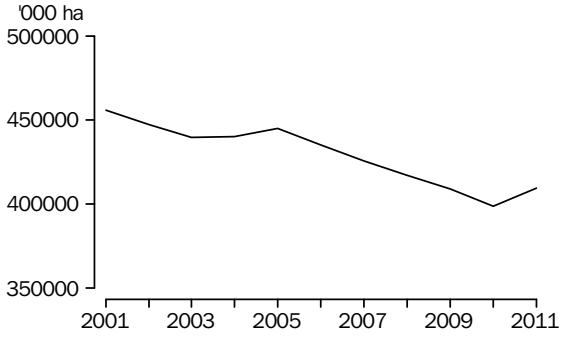
LAND USE

Area of farms in Australia increased in 2010-11, by 3% to 409.7 million hectares, in contrast to the declining trend of the previous five years. Increases in farm area were recorded in Queensland, South Australia, Tasmania and the Australian Capital Territory, whereas the remaining states and territories recorded a fall in area.

The area planted to crops in Australia rose by 24% in 2010-11 to 32.1 million hectares. All states recorded an increase in the area planted to crops, with the largest increase reported in New South Wales, where cropping area increased by 2.3 million hectares (or 33%) to 9.2 million hectares. Proportionally, the largest increase was in the Northern Territory, where the cropping area increased by over 400% to 37,000 hectares.

Approximately 53% of Australia's total land area was used for agriculture. On a state basis, Tasmania had the smallest proportion of farm land (24% of state area) while the highest was in Queensland (81% of state area).

AREA OF AUSTRALIAN FARMS, 2000-01—2010-11



BUSINESSES WITH AGRICULTURAL ACTIVITY

Tables 2 to 4 of this publication categorise businesses with agricultural activity into the industry that represents the business' main activity, using the Australian and New Zealand Industrial Classification (ANZSIC), 2006 edition. Where a business' agricultural activity is not the main activity, it has been included in *all other industries*. Table 2 presents the information by state and territory, Table 3 by Estimated Value of Agricultural Operations (EVAO) size ranges and Table 4 presents the information by area of holding ranges.

In 2010-11, the Agricultural Census revealed that the number of businesses undertaking agricultural activity had risen to a total of 135,447 businesses, a 1% increase compared with 2009-10.

Beef cattle farming remained the largest industry class in 2010-11, comprising 32% of businesses classified to the agriculture industry.

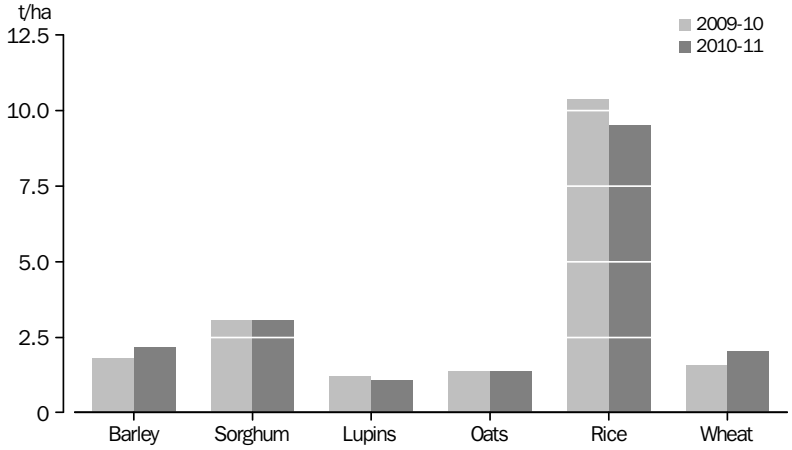
Notable movements in 2010-11 were an increase in the number of businesses with agricultural activity in citrus fruit growing, up by 23% to 1,125 businesses, and a 25% increase in apple and pear growing, up to 683 businesses.

There was also a large percentage increase in the number of businesses with their main agricultural activity in rice and cotton farming, increasing by 175% and 109% respectively.

OVERVIEW

Production increased for a number of broadacre crops in 2010-11, in particular cotton lint, rice, grain sorghum, wheat and canola. Despite major flooding throughout Queensland and northern New South Wales, rainfall was positive for summer crop development and boosted yields; however excessive rain affected some crops in low lying areas, notably cotton. Yields were generally good across most broadacre crops; however quality of grain was affected in some states as a result of rainfall during harvest. In 2010-11, parts of Western Australia reported the driest conditions on record, which resulted in decreases across all broadacre crops except grain sorghum.

YIELD, CROPS FOR GRAIN—2009–10 AND 2010–11



CROPS FOR GRAIN

Barley

The total area sown to barley in 2010-11 decreased by 17% to 3.7 million hectares, whereas national barley production increased by 2% to 8 million tonnes. Production of barley increased in all states except Western Australia, down by 39% to 1.5 million tonnes. New South Wales recorded the highest production of barley (2.2 million tonnes), which was a 77% increase from the previous year. South Australia and Victoria also recorded high production levels, with 2.1 million tonnes and 1.9 million tonnes respectively.

Grain sorghum

The total area sown to sorghum for grain in 2010-11 was 633,000 hectares. This was an increase of 27% from 2009-10. Queensland's area planted to grain sorghum was the highest with 435,000 hectares, an increase of 30% from the previous year. Queensland also recorded the highest production of sorghum (1.2 million tonnes), with an increase of 28%. Queensland's sorghum production made up 61% of the national total of 1.9 million tonnes. New South Wales also recorded a notable increase in production of 29% to 748,000 tonnes.

Lupins

There was a 9% increase in the total area sown to lupins in 2010-11, with 756,000 hectares sown. The states with the largest area planted to lupins were Western Australia (522,000 hectares) and New South Wales (128,000 hectares). Likewise, Western Australia and New South Wales produced the largest amount of lupins, with 398,000 tonnes and 252,000 tonnes respectively. Production decreased nationally by 2% to 808,000 tonnes.

Oats

In 2010-11, both the area sown and the production level of oats decreased by 3%. The total area sown to oats for grain was 826,000 hectares and the total production was 1.1 million tonnes. New South Wales and Western Australia were states with the largest area planted to oats, sowing 321,000 hectares and 255,000 hectares respectively. New South Wales also recorded the highest level of production with 469,000 tonnes, which was an increase of 122%. Several states showed a decrease in production in 2010-11, namely Western Australia (down by 43%), Victoria (down by 21%) and South Australia (down by 14%).

Rice

In 2010-11, the total area sown to rice quadrupled to 76,000 hectares compared with the previous year, due to increased availability of water for irrigation. Similarly, production increased by 268% to 723,000 tonnes.

New South Wales planted the majority of rice (75,000 hectares), 99% of the national total.

Wheat

In 2010-11, the total area sown to wheat decreased by 3% to 13.5 million hectares. The states with the largest area planted to wheat were Western Australia (4.6 million hectares), New South Wales (3.8 million hectares) and South Australia (2.3 million hectares). Production of wheat for grain in 2010-11 was 27.4 million tonnes, which was an increase of 26% from the previous year. Wheat production increased across all states except Western Australia (down by 38%), with the most substantial increases seen in New South Wales (up by 96%), South Australia (up by 49%) and Victoria (up by 47%). The highest level of wheat production was recorded by New South Wales, with 10.4 million tonnes.

OTHER CROPS

The total area planted to canola in 2010-11 increased by 23% to 2.1 million hectares. Similarly, national canola production increased by 24% to 2.4 million tonnes. Production of canola increased in most states, particularly New South Wales with an increase of 186% to 805,000 tonnes. Western Australia produced the second highest canola crop with 715,000 tonnes; however this was a decrease of 31% from the previous year. The states with the largest area planted to canola were Western Australia (1.1 million hectares), New South Wales (479,000 hectares) and Victoria (323,000 hectares).

Canola

Sugar cane

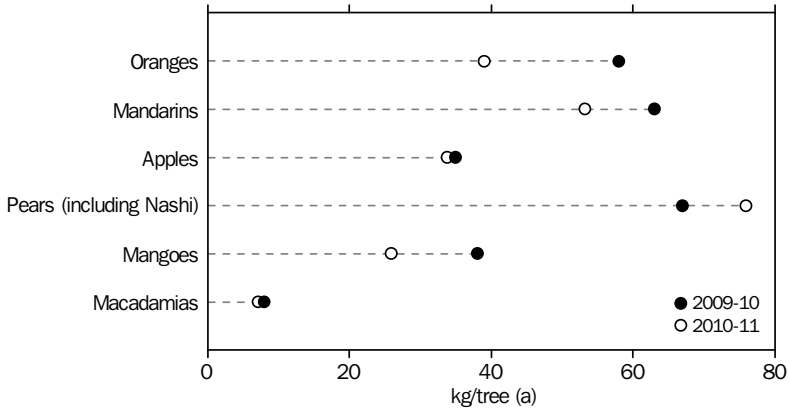
The total area planted to sugar cane for crushing decreased by 21% to 308,000 hectares in 2010-11. Similarly, national production of sugar cane cut for crushing decreased by 19% to 25.2 million tonnes. Total sugar cane production in Queensland decreased by 20% to 23.6 million tonnes, while New South Wales production decreased by 18% to 1.6 million tonnes.

Cotton

In 2010-11, the total area planted to cotton tripled to 588,000 hectares. The states with the largest area planted to cotton were New South Wales with 330,000 hectares (up by 203%) and Queensland with 259,000 hectares (up by 195%). National production of cotton lint increased by 140% to 844,000 tonnes. Queensland and New South Wales reported increases in their cotton lint production, with 150% to 497,000 tonnes and 133% to 346,000 tonnes respectively.

FRUIT

YIELD, FRUIT AND NUTS—2009-10 and 2010-11



(a) Yield is calculated on number of trees and bearing age.

Citrus

In 2010-11 production of oranges totalled 291,000 tonnes. The decrease of 26% from 2009-10 reflected consistent production decreases in South Australia (down by 30%), New South Wales (down by 27%) and Victoria (down by 22%). In contrast, the total number of bearing trees rose by 10% to 7.5 million nationally, evidenced by a substantial increase in Western Australia (up by 61%) to 265,000 trees.

The total number of bearing mandarin trees increased nationally in 2010-11 by 27% to 1.8 million trees. Production of mandarins also increased by 8% to 98,000 tonnes. A large decrease in production in New South Wales (down by 20%) was offset by increases in Queensland (up by 12% to 70,000 tonnes), Victoria (up by 24% to 4,000 tonnes) and Western Australia (up by 11% to over 2,000 tonnes).

Pome

Australia's total apple production increased by 13% from 2009-10 to 300,000 tonnes. This was largely influenced by the substantial increase of bearing trees in New South Wales (up by 27%) and South Australia (up by 54%), resulting in increased production, up by 58% and 37% respectively. Production in Western Australia and Tasmania fell by 22% and 13% respectively. Victoria produced the largest apple crop in Australia with over 129,000 tonnes in 2010-11.

The trend of increasing production of pome fruits in Australia was also exhibited by pear production, with a 30% increase in 2010-11 from the previous year, to 123,000 tonnes. The main contributors to this large increase in production were New South Wales (up by 63%), South Australia (up by 41%) and Victoria (up by 34%). The number of pear bearing trees also increased notably in New South Wales and Victoria, rising by 26% and 17% respectively. Victoria produced the largest pear crop with over 109,000 tonnes.

Other fruit and nuts

Mango production decreased nationally by 17% in 2010-11 to 37,000 tonnes, driven by a significant decrease in production numbers in New South Wales and Queensland. Queensland's production, affected by flooding, rainfall and Cyclone Yasi, fell by 34% to 19,000 tonnes and New South Wales's mango production fell by 81% to 83 tonnes. Queensland and Northern Territory (15,000 tonnes) continued to be the main contributing states for mango production.

Other fruit and nuts continued

Australia's banana production totalled 203,000 tonnes in 2010-11, which was a decrease of 33% from 2009-10. This decrease was largely due to the destruction caused by Cyclone Yasi, which struck in early 2011. The damage caused by this cyclone contributed to the decrease of 48% in Northern Territory's banana production and 35% in Queensland's banana production. The total bearing area for bananas fell by 3% to 11,000 hectares.

Macadamia production decreased by 9% in 2010-11 despite an increase in the number of trees. The national decrease was largely due to adverse seasonal conditions causing decreased production in New South Wales (down by 14% to 16,000 tonnes) and Western Australia (down by 50% to 35 tonnes), and only a 1% increase in Queensland to 13,000 tonnes.

In 2010-11, the total bearing area of strawberries increased by 60% to over 2,000 hectares, owing to a 137% increase in bearing area in Victoria, where 40% of Australia's strawberries were produced. Strawberry production increased by 5% to 31,000 tonnes. Falls of 23% in New South Wales and 15% in Queensland were more than offset by a 62% rise in Western Australia's strawberry production.

VEGETABLES FOR HUMAN CONSUMPTION

Carrots

National production of carrots in 2010-11 decreased by 16% from 2009-10 to 225,000 tonnes. This is directly correlated with the area sown for carrots in 2010-11, which also decreased by 16% from the previous year to 5,000 hectares. The states with the highest carrot production were Western Australia (65,000 tonnes) and Tasmania (54,000 tonnes). The majority of the carrot producing states displayed a decrease in production levels, with New South Wales (down by 53%) and Queensland (down by 44%) being the most notable.

Mushrooms

Mushroom production totalled 50,000 tonnes in 2010-11, a rise of 20% from the previous year. The largest increases were in Victoria up 20% to 18,000 tonnes, and New South Wales, also up 20% to 18,000 tonnes offsetting a decrease in mushroom production in South Australia of 21%, down to just under 3,000 tonnes. Nationally, the area planted to mushrooms increased by 16% up to 1.6 million square meters.

Onions

The total area sown to onions in 2010-11 was 6,000 hectares. This was an increase of 15% from the previous year. Onions were mainly grown in South Australia (2,000 hectares), Tasmania (2,000 hectares) and Queensland (1,000 hectares). Production of onions in 2010-11 totalled 331,000 tonnes. In South Australia, production was 130,000 tonnes, a 45% increase from the previous year. Tasmania produced the second largest crop of onions with 93,000 tonnes. Onion production in Queensland rose by 26% to 37,000 tonnes.

Potatoes

The total production for potatoes in 2010-11 was 1.1 million tonnes. This was a decrease of 12% from 2009-10.

The national decline was contributed to by Tasmania (252,000 tonnes) down by 24%, New South Wales (111,000 tonnes) down by 16%, Victoria (237,000 tonnes) down by 14% and Queensland (88,000 tonnes) down by 8%. The total area sown to potatoes in 2010-11 was 32,000 hectares, which was a decrease of 12% from the previous year. South Australia and Victoria were large growing areas for potatoes at 9,000 hectares and 8,000 hectares respectively.

Tomatoes

National production of tomatoes in 2010-11 fell by more than one third to 302,000 tonnes due mainly to heavy rain and flooding in Victoria and New South Wales. Production declined by 69% in Victoria to 88,000 tonnes and by 14% in New South Wales to 47,000 tonnes. The national area planted to tomatoes rose by 7% to over 8,000 hectares.

YIELD, VEGETABLES—2009–10 AND 2010–11

LIVESTOCK

Dairy cattle

As at 30 June 2011, the number of dairy cattle increased by 1% to 2.6 million head nationally. Tasmania showed the largest percentage increase in dairy cattle numbers, with an increase of 16% to 223,000 head. Victoria continued to report the highest number of dairy cattle (1.6 million head), which was 62% of the national herd. New South Wales recorded a 6% decrease of dairy cattle compared with 2009-10.

Meat Cattle

Meat cattle recorded on agricultural holdings at 30 June 2011 totalled 25.9 million head, an increase of 8% since 2009-10. Meat cattle accounted for 91% of the cattle herd in Australia. Notable increases in meat cattle numbers were recorded in Queensland, by up 11% to 12.5 million, Victoria, up by 14% to 2.4 million and South Australia, up by 23% to 1.1 million.

Sheep and lambing

Sheep and lamb numbers increased by 7% from 68.1 million head on 30 June 2010 to 73.1 million head at 30 June 2011. All states recorded an increase in sheep numbers, except Western Australia, down by 5% to 14.0 million head. The largest increases in sheep numbers were recorded by South Australia, up by 22% to 11.0 million head and Tasmania, up by 18% to 2.3 million head. New South Wales recorded the highest number of sheep with 26.8 million head. During 2010-11, the number of lambs marked in Australia was reported as 33.3 million, which was an increase of 4% from the previous year.

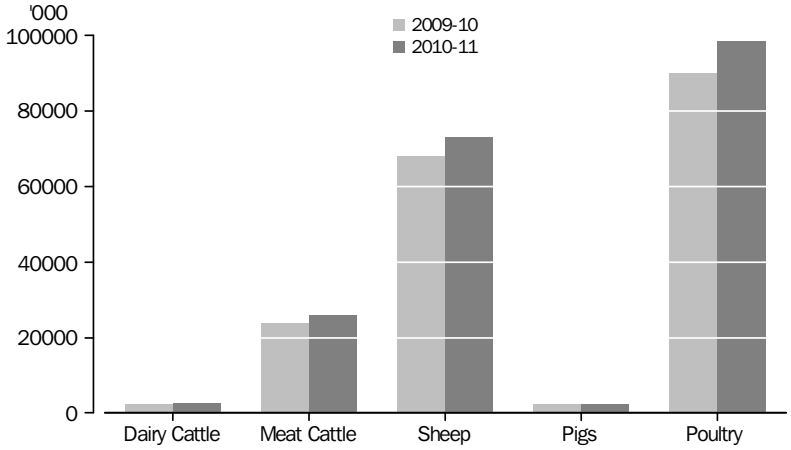
Pigs

Total pig numbers recorded on 30 June 2011 in Australia remained steady at 2.3 million head. Notable increases in pig numbers were recorded in Western Australia (up by 23% to 269,000 head), Queensland (up by 10% to 639,000 head), and Tasmania (up by 16% to 13,000 head). However these were offset by a drop in New South Wales of 99,000 (or 17% to 486,000 head).

Chickens

The total number of chickens for egg production on holdings as at 30 June 2011 increased by 12% to 13.1 million, reversing the previous four year trend of decline. Meat chicken numbers increased nationally by 9% to 77.6 million, with New South Wales recording the highest number of meat chickens (29.6 million chickens), 38% of the national total.

LIVESTOCK—2009–10 AND 2010–11



1 LAND USE—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)									
2009	7 650	4 189	2 795	4 493	8 306	73	6	1	27 511
2010	6 940	3 989	2 321	4 080	8 564	66	7	^ 1	25 968
2011	9 209	4 489	3 466	5 036	9 707	133	37	^ 2	32 078
AREA OF FARMS(b)									
2009	57 267	12 091	141 210	49 126	93 646	1 630	54 016	42	409 029
2010	58 548	12 852	129 668	45 747	94 391	1 647	55 687	40	398 580
2011	58 326	12 626	139 835	52 786	88 715	1 655	55 671	^ 58	409 673
AREA OF NON-AGRICULTURAL LAND(c)									
2009	22 797	10 651	31 855	49 222	159 342	5 210	80 897	194	360 173
2010	21 516	9 890	43 397	52 601	158 597	5 193	79 226	^ 196	370 622
2011	21 738	10 116	33 230	45 562	164 273	5 185	79 242	178	359 529
TOTAL LAND AREA(d)	**80 064**	**22 742**	**173 065**	**98 348**	**252 988**	**6 840**	**134 913**	**236**	**769 202**

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

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

(b) Total area of agricultural businesses with an EVAO of $5,000 or more.

(c) Non-agricultural land is the difference between agricultural land as reported in the Agricultural Census, Agricultural Survey or ARMS and the total land area of the state/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 Census.

(d) Total area of Australia includes Jervis Bay.

2 BUSINESSES WITH AGRICULTURAL ACTIVITY(a), by State—Year ended 30 June 2011

		NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
		no.	no.	no.	no.	no.	no.	no.	no.	no.
0111	Nursery Production (Under Cover)	92	59	106	24	35	^ 6	6	—	327
0112	Nursery Production (Outdoors)	219	166	133	52	56	19	2	1	648
0113	Turf Growing	106	24	104	^ 8	37	^ 3	2	—	283
0114	Floriculture Production (Under Cover)	58	84	49	^ 11	20	^ 11	1	—	235
0115	Floriculture Production (Outdoors)	117	100	67	34	48	20	4	—	389
0121	Mushroom Growing	35	^ 14	32	^ 4	*4	2	—	—	92
0122	Vegetable Growing (Under Cover)	231	68	121	250	58	24	4	—	756
0123	Vegetable Growing (Outdoors)	832	644	949	257	401	316	39	2	3 440
0131	Grape Growing	927	1 485	89	2 138	506	98	6	^ 2	5 252
0132	Kiwifruit Growing	^ 7	^ 8	^ 6	—	—	—	—	—	21
0133	Berry Fruit Growing	110	145	99	16	43	44	—	—	456
0134	Apple and Pear Growing	131	248	43	84	102	72	—	*3	683
0135	Stone Fruit Growing	213	231	54	157	139	57	—	—	851
0136	Citrus Fruit Growing	476	132	203	214	99	—	^ 1	—	1 125
0137	Olive Growing	112	99	21	88	58	^ 12	—	—	389
0139	Other Fruit and Tree Nut Growing	960	140	1 213	133	184	16	137	—	2 782
0141	Sheep Farming (Specialised)	4 266	3 173	258	1 624	1 393	497	—	^ 9	11 221
0142	Beef Cattle Farming (Specialised)	13 246	8 010	12 477	1 357	2 007	1 139	197	19	38 452
0143	Beef Cattle Feedlots (Specialised)	103	50	195	18	95	^ 6	4	—	470
0144	Sheep-Beef Cattle Farming	3 234	1 643	440	713	330	250	—	14	6 624
0145	Grain-Sheep or Grain-Beef Cattle Farming	4 130	2 359	1 037	2 046	2 501	31	^ 2	*1	12 108
0146	Rice Growing	538	^ 2	1	—	*1	—	—	—	542
0149	Other Grain Growing	3 262	3 063	1 172	2 477	2 055	19	—	—	12 047
0151	Sugar Cane Growing	379	—	3 128	—	*1	—	—	—	3 508
0152	Cotton Growing	368	—	386	—	—	*1	—	—	755
0159	Other Crop Growing n.e.c.	401	438	573	90	124	175	11	1	1 812
0160	Dairy Cattle Farming	1 049	4 835	664	320	223	471	—	—	7 562
0171	Poultry Farming (Meat)	298	224	111	62	51	19	—	—	766
0172	Poultry Farming (Eggs)	144	79	49	25	33	10	—	1	340
0180	Deer Farming	20	34	^ 9	^ 6	^ 6	^ 4	*1	—	79
0191	Horse Farming	1 848	998	1 352	194	360	90	10	^ 5	4 856
0192	Pig Farming	159	135	177	103	72	17	—	—	663
0193	Beekeeping	210	83	121	71	52	15	^ 2	*1	556
0199	Other Livestock Farming n.e.c.	284	164	133	32	74	18	7	—	713
01	*Total Agriculture*	*38 561*	*28 938*	*25 572*	*12 612*	*11 165*	*3 463*	*436*	*59*	*120 806*
99	All Other Industries	4 909	3 419	2 829	1 431	1 343	611	84	^ 15	14 641
#	**Total All Industries**	**43 470**	**32 357**	**28 401**	**14 043**	**12 508**	**4 074**	**520**	**75**	**135 447**

^ 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)

(a) The Australian and New Zealand Standard Industrial Classification (ANZSIC) has been used to categorise businesses according to their main activity. For more information on the ANZSIC, refer to the Explanatory Notes.

3 BUSINESSES WITH AGRICULTURAL ACTIVITY(a), By EVAO—Year ended 30 June 2011

		ESTIMATED VALUE OF AGRICULTURAL OPERATIONS ($'000)						
		Less than 22.5	*22.5-49.9*	*50-99.9*	*100-149.9*	*150-199.9*	*200-349.9*	*350-499.9*
0111	Nursery Production (Under Cover)	55	47	43	42	25	35	20
0112	Nursery Production (Outdoors)	55	74	113	106	50	97	47
0113	Turf Growing	^ 5	14	22	26	31	59	28
0114	Floriculture Production (Under Cover)	^ 18	19	24	28	^ 12	42	31
0115	Floriculture Production (Outdoors)	33	81	93	45	41	39	15
0121	Mushroom Growing	**1	^ 7	^ 11	^ 7	*1	^ 10	^ 8
0122	Vegetable Growing (Under Cover)	198	163	134	82	43	53	33
0123	Vegetable Growing (Outdoors)	387	470	446	308	201	420	226
0131	Grape Growing	1 405	1 140	1 080	483	260	406	153
0132	Kiwifruit Growing	*1	^ 6	*1	^ 2	^ 6	^ 1	1
0133	Berry Fruit Growing	49	51	60	36	34	60	46
0134	Apple and Pear Growing	31	45	91	46	32	88	58
0135	Stone Fruit Growing	103	123	166	90	69	118	56
0136	Citrus Fruit Growing	128	139	154	110	81	160	85
0137	Olive Growing	188	90	46	16	^ 6	^ 11	^ 10
0139	Other Fruit and Tree Nut Growing	485	511	547	283	176	268	144
0141	Sheep Farming (Specialised)	2 266	1 990	2 236	1 339	942	1 331	528
0142	Beef Cattle Farming (Specialised)	13 558	9 487	6 326	2 633	1 399	2 073	901
0143	Beef Cattle Feedlots (Specialised)	^ 2	*1	72	55	43	73	51
0144	Sheep-Beef Cattle Farming	823	1 031	1 316	886	573	997	448
0145	Grain-Sheep or Grain-Beef Cattle Farming	529	821	1 471	1 326	1 140	2 526	1 571
0146	Rice Growing	—	*1	29	46	76	153	72
0149	Other Grain Growing	671	832	1 111	918	745	1 837	1 382
0151	Sugar Cane Growing	127	296	670	594	440	727	299
0152	Cotton Growing	^ 2	*1	*1	^ 2	^ 7	53	57
0159	Other Crop Growing n.e.c.	494	324	317	177	90	167	72
0160	Dairy Cattle Farming	198	209	407	420	491	1 692	1 388
0171	Poultry Farming (Meat)	53	29	34	^ 12	^ 11	33	23
0172	Poultry Farming (Eggs)	61	^ 19	41	^ 21	15	36	23
0180	Deer Farming	45	19	^ 9	*1	^ 3	1	1
0191	Horse Farming	1 742	1 027	976	478	202	257	71
0192	Pig Farming	76	56	72	26	21	55	51
0193	Beekeeping	229	148	120	32	^ 10	^ 14	1
0199	Other Livestock Farming n.e.c.	458	121	43	17	^ 15	28	15
01	*Total Agriculture*	*24 478*	*19 392*	*18 279*	*10 694*	*7 291*	*13 919*	*7 914*
99	All Other Industries	5 427	3 040	2 189	1 047	608	956	434
#	**Total All Industries**	**29 905**	**22 432**	**20 468**	**11 741**	**7 898**	**14 876**	**8 348**

^ 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)

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		ESTIMATED VALUE OF AGRICULTURAL OPERATIONS ($'000) *continued*			
		500-999.9	*1,000-1,999.9*	*2,000 or more*	*Total establishments*
0111	Nursery Production (Under Cover)	33	18	10	327
0112	Nursery Production (Outdoors)	50	34	23	648
0113	Turf Growing	54	24	20	283
0114	Floriculture Production (Under Cover)	38	^ 14	10	235
0115	Floriculture Production (Outdoors)	27	13	4	389
0121	Mushroom Growing	^ 12	^ 10	24	92
0122	Vegetable Growing (Under Cover)	27	^ 11	^ 11	756
0123	Vegetable Growing (Outdoors)	422	299	260	3 440
0131	Grape Growing	174	106	46	5 252
0132	Kiwifruit Growing	*2	^ 1	—	21
0133	Berry Fruit Growing	52	37	32	456
0134	Apple and Pear Growing	108	103	81	683
0135	Stone Fruit Growing	73	32	21	851
0136	Citrus Fruit Growing	134	81	55	1 125
0137	Olive Growing	7	9	^ 7	389
0139	Other Fruit and Tree Nut Growing	191	100	79	2 782
0141	Sheep Farming (Specialised)	435	132	22	11 221
0142	Beef Cattle Farming (Specialised)	1 204	533	337	38 452
0143	Beef Cattle Feedlots (Specialised)	86	41	46	470
0144	Sheep-Beef Cattle Farming	416	115	19	6 624
0145	Grain-Sheep or Grain-Beef Cattle Farming	2 085	553	86	12 108
0146	Rice Growing	117	36	11	542
0149	Other Grain Growing	2 763	1 471	317	12 047
0151	Sugar Cane Growing	275	58	23	3 508
0152	Cotton Growing	137	214	279	755
0159	Other Crop Growing n.e.c.	100	42	28	1 812
0160	Dairy Cattle Farming	2 026	601	130	7 562
0171	Poultry Farming (Meat)	102	222	248	766
0172	Poultry Farming (Eggs)	35	34	54	340
0180	Deer Farming	—	—	—	79
0191	Horse Farming	71	29	^ 3	4 856
0192	Pig Farming	114	103	88	663
0193	Beekeeping	^ 2	—	—	556
0199	Other Livestock Farming n.e.c.	11	^ 3	1	713
01	*Total Agriculture*	*11 383*	*5 083*	*2 373*	*120 806*
99	All Other Industries	566	252	122	14 641
#	**Total All Industries**	**11 949**	**5 334**	**2 495**	**135 447**

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

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4 BUSINESSES WITH AGRICULTURAL ACTIVITY(a), by area—At 30 June 2011

		AREA OF HOLDING (HA)					
		0-49	*50-99*	*100-499*	*500-999*	*1,000-2,499*	*2,500-24,999*
0111	Nursery Production (Under Cover)	299	^ 15	^ 9	*1	*1	*1
0112	Nursery Production (Outdoors)	555	47	40	^ 4	^ 2	—
0113	Turf Growing	179	56	43	^ 3	2	—
0114	Floriculture Production (Under Cover)	226	^ 6	^ 4	—	—	—
0115	Floriculture Production (Outdoors)	299	42	43	^ 2	^ 4	—
0121	Mushroom Growing	89	^ 2	—	—	—	—
0122	Vegetable Growing (Under Cover)	707	30	15	^ 4	—	1
0123	Vegetable Growing (Outdoors)	2 003	448	760	116	73	39
0131	Grape Growing	4 003	576	558	71	32	12
0132	Kiwifruit Growing	17	^ 4	—	—	—	—
0133	Berry Fruit Growing	397	28	27	4	—	—
0134	Apple and Pear Growing	418	117	135	11	^ 2	—
0135	Stone Fruit Growing	660	94	85	^ 7	^ 4	^ 2
0136	Citrus Fruit Growing	817	130	127	28	15	7
0137	Olive Growing	243	71	55	12	6	*2
0139	Other Fruit and Tree Nut Growing	1 970	406	327	37	31	8
0141	Sheep Farming (Specialised)	953	841	4 272	2 163	1 698	967
0142	Beef Cattle Farming (Specialised)	6 767	6 280	13 971	3 715	3 018	3 453
0143	Beef Cattle Feedlots (Specialised)	^ 9	^ 6	105	75	98	148
0144	Sheep-Beef Cattle Farming	382	381	2 309	1 339	1 226	745
0145	Grain-Sheep or Grain-Beef Cattle Farming	252	294	2 646	2 675	3 740	2 458
0146	Rice Growing	^ 2	^ 6	264	133	91	45
0149	Other Grain Growing	449	448	2 704	2 153	3 416	2 840
0151	Sugar Cane Growing	766	1 008	1 544	118	43	29
0152	Cotton Growing	*2	^ 7	110	144	240	238
0159	Other Crop Growing n.e.c.	677	325	598	114	66	31
0160	Dairy Cattle Farming	644	1 099	4 924	657	197	39
0171	Poultry Farming (Meat)	558	73	104	19	9	^ 3
0172	Poultry Farming (Eggs)	217	41	53	17	8	4
0180	Deer Farming	35	^ 17	22	1	—	^ 3
0191	Horse Farming	2 257	959	1 203	207	123	91
0192	Pig Farming	198	96	217	75	52	26
0193	Beekeeping	464	32	47	^ 7	^ 6	—
0199	Other Livestock Farming n.e.c.	287	101	186	55	17	39
01	*Total Agriculture*	*27 801*	*14 087*	*37 505*	*13 967*	*14 222*	*11 234*
99	All Other Industries	5 770	2 317	4 128	1 049	773	511
#	**Total All Industries**	**33 571**	**16 404**	**41 633**	**15 016**	**14 995**	**11 745**

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BUSINESSES WITH AGRICULTURAL ACTIVITY(a), by area—At 30 June 2011 *continued*

		AREA OF HOLDING (HA) *continued*				
		25,000-99,999	*100,000-199,999*	*200,000-499,999*	*500,000 or more*	*Total establishments*
0111	Nursery Production (Under Cover)	—	—	—	—	327
0112	Nursery Production (Outdoors)	—	—	—	—	648
0113	Turf Growing	—	—	—	—	283
0114	Floriculture Production (Under Cover)	—	—	—	—	235
0115	Floriculture Production (Outdoors)	—	—	—	—	389
0121	Mushroom Growing	—	—	—	—	92
0122	Vegetable Growing (Under Cover)	—	—	—	—	756
0123	Vegetable Growing (Outdoors)	1	—	—	—	3 440
0131	Grape Growing	—	—	—	—	5 252
0132	Kiwifruit Growing	—	—	—	—	21
0133	Berry Fruit Growing	—	—	—	—	456
0134	Apple and Pear Growing	—	—	—	—	683
0135	Stone Fruit Growing	—	—	—	—	851
0136	Citrus Fruit Growing	—	—	—	—	1 125
0137	Olive Growing	—	—	—	—	389
0139	Other Fruit and Tree Nut Growing	2	*1	—	—	2 782
0141	Sheep Farming (Specialised)	264	29	27	6	11 221
0142	Beef Cattle Farming (Specialised)	735	168	256	88	38 452
0143	Beef Cattle Feedlots (Specialised)	^12	6	^8	3	470
0144	Sheep-Beef Cattle Farming	206	22	^11	3	6 624
0145	Grain-Sheep or Grain-Beef Cattle Farming	38	^3	*1	—	12 108
0146	Rice Growing	1	—	—	—	542
0149	Other Grain Growing	35	^2	—	—	12 047
0151	Sugar Cane Growing	—	—	—	—	3 508
0152	Cotton Growing	14	—	—	—	755
0159	Other Crop Growing n.e.c.	—	—	—	—	1 812
0160	Dairy Cattle Farming	—	^2	—	—	7 562
0171	Poultry Farming (Meat)	—	—	—	—	766
0172	Poultry Farming (Eggs)	—	—	—	—	340
0180	Deer Farming	1	—	—	—	79
0191	Horse Farming	^10	*2	*3	—	4 856
0192	Pig Farming	—	—	—	—	663
0193	Beekeeping	—	—	—	—	556
0199	Other Livestock Farming n.e.c.	22	^4	1	—	713
01	*Total Agriculture*	*1 341*	*242*	*307*	*100*	*120 806*
99	All Other Industries	63	^10	20	*1	14 641
#	**Total All Industries**	**1 404**	**252**	**326**	**101**	**135 447**

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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)

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BROADACRE CROPS—Year ended 30 June

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
BARLEY											
Production ('000 t)	7 997	7 865	7 995	2 194	1 945	146	2 122	1 549	39	—	—
Area ('000 ha)	5 015	4 422	3 681	878	802	94	795	1 101	11	—	—
Yield (t/ha)	1.6	1.8	2.2	2.5	2.4	1.6	2.7	1.4	3.6	—	—
CANOLA											
Production ('000 t)	1 844	1 907	2 359	805	476	^ 2	359	715	^ 1	—	*—
Area ('000 ha)	1 693	1 695	2 078	479	323	^ 2	216	1 057	1	—	*—
Yield (t/ha)	1.1	1.1	1.1	1.7	1.5	1.3	1.7	0.7	1.5	—	1.0
GRAIN SORGHUM											
Production ('000 t)	2 692	1 508	1 935	748	^ 2	1 183	*—	*1	—	—	—
Area ('000 ha)	767	498	633	197	^ 1	435	*—	^ 1	—	—	—
Yield (t/ha)	3.5	3.0	3.1	3.8	^ 3.5	2.7	^ 2.2	^ 1.5	—	—	—
LUPINS											
Production ('000 t)	708	823	808	252	65	*—	93	398	^ —	—	—
Area ('000 ha)	577	692	756	128	42	*—	64	522	^ —	—	—
Yield (t/ha)	1.2	1.2	1.1	2.0	1.5	^ 1.1	1.5	0.8	2.0	—	—
MAIZE											
Production ('000 t)	376	na	357	171	12	171	^ 1	2	—	^ —	—
Area ('000 ha)	65	na	62	23	2	37	^ —	^ —	—	^ —	—
Yield (t/ha)	5.8	na	5.7	7.4	7.4	4.6	6.2	7.0	—	5.7	—
OATS											
Production ('000 t)	1 160	1 162	1 128	469	237	7	125	283	7	—	—
Area ('000 ha)	870	850	826	321	166	14	67	255	3	—	—
Yield (t/ha)	1.3	1.4	1.4	1.5	1.4	0.5	1.9	1.1	2.1	—	—
RICE											
Production ('000 t)	^ 61	197	723	716	2	2	—	*2	—	—	—
Area ('000 ha)	^ 7	19	76	75	^ —	—	—	*—	—	—	—
Yield (t/ha)	8.5	10.4	9.5	9.6	10.2	6.2	—	10.0	—	—	—
TRITICALE											
Production ('000 t)	363	na	355	175	73	^ 1	86	19	1	—	—
Area ('000 ha)	323	na	187	72	38	^ 1	52	24	1	—	—
Yield (t/ha)	1.1	na	1.9	2.4	1.9	2.2	1.7	0.8	2.7	—	—
WHEAT											
Production ('000 t)	21 420	21 834	27 410	10 488	4 412	1 524	5 949	5 005	32	—	*—
Area ('000 ha)	13 530	13 881	13 502	3 815	1 793	905	2 341	4 640	8	—	*—
Yield (t/ha)	1.6	1.6	2.0	2.7	2.5	1.7	2.5	1.1	3.9	—	1.4
OTHER CEREALS FOR GRAIN OR SEED											
Production ('000 t)	381	536	410	101	69	44	107	88	1	^ —	*—
Area ('000 ha)	355	349	354	72	61	34	67	120	—	^ —	*—
Yield (t/ha)	1.1	1.5	1.2	1.4	1.1	1.3	1.6	0.7	2.2	0.9	1.0

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— nil or rounded to zero (including null cells)

na not available

6 SUGAR CANE—Year ended 30 June

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
SUGAR CANE CUT FOR CRUSHING											
Production ('000 t)	31 457	31 235	25 182	1 567	—	23 615	—	*—	—	—	—
Area ('000 ha)	391	389	308	15	—	293	—	*—	—	—	—
Yield (t/ha)	80	80	82	107	—	80	—	50	—	—	—
SUGAR CANE CUT FOR PLANTS											
Production ('000 t)	*1 349	na	617	33	—	584	—	—	—	—	—
Area ('000 ha)	*26	na	15	1	—	14	—	—	—	—	—
Yield (t/ha)	52	na	41	47	—	40	—	—	—	—	—
SUGAR CANE - STANDOVER FROM PREVIOUS SEASON											
Area ('000 ha)	na	na	67	9	—	58	—	^—	—	—	—
SUGAR CANE - NEWLY PLANTED IN 2010 FOR HARVEST IN A FOLLOWING SEASON											
Area ('000 ha)	na	na	59	2	—	57	—	—	—	—	—

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— nil or rounded to zero (including null cells)

na not available

7 COTTON—Year ended 30 June

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
COTTON - IRRIGATED											
Seed cotton production ('000 kg)	747 805	na	1 758 067	1 033 806	—	724 168	—	*93	—	—	—
Cotton lint production ('000 kg)	294 335	na	694 659	409 722	—	284 901	—	*36	—	—	—
Area ('000 ha)	142	na	359	196	—	163	—	*—	—	—	—
Yield (kg/ha)(a)	2 074	na	1 933	2 088	—	1 748	—	1 393	—	—	—
COTTON - NON-IRRIGATED											
Seed cotton production ('000 kg)	^ 38 799	na	396 344	231 166	—	165 178	—	—	—	—	—
Cotton lint production ('000 kg)	^ 14 493	na	148 913	87 510	—	61 403	—	—	—	—	—
Area ('000 ha)	^ 17	na	229	133	—	96	—	—	—	—	—
Yield (kg/ha)(a)	863	na	650	656	—	642	—	—	—	—	—
COTTON - IRRIGATED AND NON-IRRIGATED											
Seed cotton production ('000 kg)	786 604	na	2 154 411	1 264 972	—	889 346	—	*93	—	—	—
Cotton lint production ('000 kg)	308 828	352 049	843 572	497 231	—	346 305	—	*36	—	—	—
Area ('000 ha)	159	196	588	330	—	259	—	*—	—	—	—
Yield (kg/ha)(a)	1 946	1 793	1 434	1 508	—	1 339	—	1 393	—	—	—

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— nil or rounded to zero (including null cells)

na not available

(a) Yield is based on cotton lint production.

FRUIT AND NUTS—Year ended 30 June

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
CITRUS (a)											
Oranges - Navel											
Production ('000 kg)	176 570	na	164 970	61 332	35 773	5 137	57 677	5 051	—	—	—
Trees ('000)	3 747	na	4 226	1 899	774	62	1 282	211	—	—	—
Yield (kg/tree)	47.1	na	39.0	32.3	46.2	82.9	45.0	24.0	—	—	—
Oranges - Valencia											
Production ('000 kg)	162 925	na	115 425	71 133	^ 12 709	1 931	27 940	1 713	—	—	—
Trees ('000)	2 874	na	2 769	1 822	255	30	610	52	—	—	—
Yield (kg/tree)	56.7	na	41.7	39.0	49.9	65.0	45.8	32.6	—	—	—
Oranges - Other											
Production ('000 kg)	*8 229	(b) 391 343	10 828	8 608	565	663	946	46	—	—	—
Trees ('000)	^ 138	(b) 6 791	471	392	9	^ 16	52	2	—	—	—
Yield (kg/trees)	^ 59.6	(b) 57.6	23.0	22.0	62.0	^ 40.2	18.3	19.1	—	—	—
Mandarins											
Production ('000 kg)	90 316	91 002	97 871	3 397	4 049	69 578	18 494	2 353	—	—	—
Trees ('000)	1 291	1 447	1 840	102	88	1 121	427	103	—	—	—
Yield (kg/tree)	70.0	62.9	53.2	33.3	46.0	62.1	43.4	22.9	—	—	—
Lemons and Limes											
Production ('000 kg)	29 765	na	30 238	3 956	5 339	16 432	3 764	650	—	97	—
Trees ('000)	418	na	526	107	93	235	68	18	—	5	—
Yield (kg/tree)	71.2	na	57.5	37.1	57.4	69.9	55.5	36.5	—	17.6	—
Grapefruit											
Production ('000 kg)	^ 10 681	na	9 217	3 592	1 351	767	1 698	*1 707	—	^ 103	—
Trees ('000)	^ 201	na	^ 195	80	19	9	19	*63	—	^ 5	—
Yield (kg/tree)	^ 53.1	na	47.2	44.7	69.4	83.2	89.9	27.3	—	22.3	—
Other Citrus											
Trees ('000)	*98	na	109	^ 18	^ 8	21	59	*3	—	^ —	—
POME (a)											
Apples											
Production ('000 kg)	295 134	264 401	299 778	52 957	129 323	36 249	25 427	28 549	27 254	—	*19
Trees ('000)	7 642	7 501	8 859	1 460	3 603	1 006	1 091	697	1 000	—	*2
Yield (kg/tree)	38.6	35.3	33.8	36.3	35.9	36.0	23.3	40.9	27.2	—	*11.6
Pears (c)											
Production ('000 kg)	120 376	95 111	123 267	660	109 060	^ 303	5 992	6 406	845	—	*1
Trees ('000)	1 643	1 427	1 625	21	1 331	^ 8	94	146	25	—	* —
Yield (kg/tree)	73.3	66.6	75.9	31.3	81.9	36.7	64.0	43.9	34.4	—	*50.9
Other Pome											
Trees ('000)	*71	na	^ 67	^ 1	^ 8	*33	25	* —	* —	—	* —
STONE FRUIT (a)											
Apricots											
Production ('000 kg)	13 673	na	13 283	425	7 416	198	2 996	402	^ 1 846	—	—
Trees ('000)	644	na	805	49	341	19	^ 173	32	192	—	* —
Yield (kg/tree)	21.2	na	16.5	8.7	21.8	10.6	^ 17.3	12.5	9.6	—	—
Cherries											
Production ('000 kg)	13 727	na	10 475	1 743	3 275	—	1 861	179	3 416	—	—
Trees ('000)	2 001	na	1 953	613	481	^ 5	321	27	506	—	—
Yield (kg/tree)	6.9	na	5.4	2.8	6.8	—	5.8	6.6	6.7	—	—

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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)

na not available

(a) Number of trees refers to trees of bearing age.

(b) Includes Navel and Valencia in 2009-10.

(c) Including Nashi pears.

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
STONE FRUIT(a) *cont.*											
Nectarines											
Production ('000 kg)	40 396	na	37 034	4 970	24 166	1 768	^ 2 449	3 573	107	—	*—
Trees ('000)	1 661	na	1 796	273	1 138	120	^ 88	167	10	—	*—
Yield (kg/tree)	24.3	na	20.6	18.2	21.2	14.7	27.8	21.4	10.4	—	16.7
Olives											
Production ('000 kg)	62 655	na	*91 067	7 416	*69 291	^ 74	^ 9 673	^ 4 543	^ 71	—	—
Trees ('000)	3 259	na	^ 4 419	785	*1 943	242	744	685	^ 20	—	—
Yield (kg/tree)	19.2	na	^ 20.6	9.4	35.7	^ 0.3	13.0	6.6	^ 3.6	—	—
Peaches - Processing											
Production ('000 kg)	49 180	na	34 603	^ 893	32 712	*61	684	^ 253	—	—	—
Trees ('000)	1 066	na	831	^ 44	751	^ 3	23	^ 10	*—	—	—
Yield (kg/tree)	46.2	na	41.6	20.4	43.5	^ 17.5	29.9	26.2	—	—	—
Peaches - Fresh Market											
Production ('000 kg)	27 612	na	25 911	4 294	16 758	1 683	^ 1 404	1 637	135	—	—
Trees ('000)	1 061	na	1 177	198	679	145	^ 49	84	23	—	*—
Yield (kg/tree)	26.0	na	22.0	21.7	24.7	11.6	28.9	19.5	5.7	—	—
Plums and Prunes											
Production ('000 kg)	17 577	na	18 433	3 401	9 118	910	^ 928	4 026	50	—	*1
Trees ('000)	1 633	na	1 605	398	759	77	^ 35	318	17	—	*—
Yield (kg/tree)	10.8	na	11.5	8.5	12.0	11.8	26.3	12.7	2.9	—	20.0
Other Stone Fruit											
Trees ('000)	^ 50	na	^ 14	*2	^ 4	*—	^ 6	1	*—	—	—
OTHER ORCHARD FRUIT(a)											
Avocados											
Production ('000 kg)	38 478	na	36 235	6 056	^ 1 122	20 286	^ 873	7 897	*1	—	—
Trees ('000)	747	na	876	147	33	438	^ 54	204	*—	—	—
Yield (kg/tree)	51.5	na	41.4	41.3	33.6	46.3	^ 16.3	38.7	9.1	—	—
Mangoes											
Production ('000 kg)	40 660	44 342	36 659	^ 83	11	19 456	*31	1 681	—	15 397	—
Trees ('000)	1 342	1 178	1 416	16	2	828	*7	^ 128	—	435	—
Yield (kg/tree)	30.3	37.6	25.9	^ 5.1	4.6	23.5	4.6	13.1	—	35.4	—
NUTS(a)											
Almonds											
Production (t)	18 957	na	34 576	1 914	22 652	—	10 010	—	—	—	—
Trees ('000)	1 473	na	3 746	275	2 308	—	1 164	*—	—	—	—
Yield (kg/tree)	12.9	na	9.2	7.0	9.8	—	8.6	—	—	—	—
Macadamias											
Production (t)	29 661	31 314	28 914	15 651	*21	13 208	—	^ 35	—	—	—
Trees ('000)	3 872	3 898	4 069	2 184	*9	1 862	*—	^ 14	—	—	—
Yield (kg/tree)	7.7	8.0	7.1	7.2	2.3	7.1	—	2.5	—	—	—
OTHER FRUIT(b)											
Bananas											
Production (t)	270 393	302 173	202 751	11 780	—	182 697	—	5 172	—	3 101	—
Area (ha)	11 992	11 543	11 196	1 100	—	9 727	—	223	—	146	—
Yield (t/ha)	22.5	26.2	18.1	10.7	—	18.8	—	23.2	—	21.2	—

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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)

na not available

(a) Number of trees refers to trees of bearing age.

(b) Area refers to area of bearing age.

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
OTHER FRUIT(a) *cont.*											
Blueberries											
Production (t)	2 502	na	2 903	2 532	254	*6	*10	*1	^ 100	—	—
Area (ha)	^ 660	na	731	605	85	^ 5	*4	*4	28	—	—
Yield (t/ha)	3.8	na	4.0	4.2	3.0	*1.1	^ 2.2	^ 0.3	3.6	—	—
Paw Paw / Papaya											
Production (t)	^ 7 069	na	6 534	*116	—	5 815	—	468	—	137	—
Area (ha)	^ 326	na	402	*24	—	332	—	^ 22	—	24	—
Yield (t/ha)	21.7	na	16.2	4.8	—	17.5	—	21.3	—	5.6	—
Pineapples											
Production (t)	^ 157 679	na	83 223	*2	—	83 221	—	—	—	—	—
Area (ha)	^ 3 000	na	2 247	*1	—	2 246	—	—	—	—	—
Yield (t/ha)	^ 52.6	na	37.0	2.0	—	37.0	—	—	—	—	—
Strawberries											
Production (t)	28 246	29 334	30 897	213	12 431	11 110	2 652	4 074	417	—	—
Area (ha)	1 184	1 383	2 220	27	1 121	717	134	179	43	—	—
Yield (t/ha)	23.9	21.2	13.9	7.8	11.1	15.5	19.7	22.8	9.8	—	—

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— nil or rounded to zero (including null cells)

na not available

(a) Area refers to area of bearing age.

9 VEGETABLES FOR HUMAN CONSUMPTION—Year ended 30 June

	AUST.		2011								
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
ASPARAGUS											
Production (t)	6 981	na	10 276	*134	10 033	^ 8	**4	^ 98	—	—	—
Area (ha)	^ 1 616	na	2 072	*58	1 962	^ 15	**3	^ 34	—	—	—
Yield (t/ha)	4.3	na	5.0	^ 2.3	5.1	^ 0.5	1.3	2.9	—	—	—
BEANS, FRENCH AND RUNNER											
Processing											
Production (t)	^ 10 003	na	4 961	*21	304	^ 939	*4	^ 64	3 594	36	—
Area (ha)	^ 1 179	na	894	*26	55	^ 147	*1	^ 16	646	3	—
Yield (t/ha)	8.5	na	5.6	*0.8	5.5	6.4	^ 5.6	4.0	5.6	10.3	—
Fresh Market											
Production (t)	17 776	na	27 925	^ 248	4 115	^ 21 768	^ 51	^ 1 056	664	23	—
Area (ha)	4 070	na	5 610	^ 87	839	4 052	^ 9	451	167	5	—
Yield (t/ha)	4.4	na	5.0	^ 2.8	4.9	5.4	^ 5.8	2.3	4.0	4.3	—
BROCCOLI											
Production (t)	44 420	na	49 112	^ 2 234	22 779	12 809	^ 1 289	6 366	3 636	—	—
Area (ha)	6 269	na	7 090	^ 342	3 370	1 920	236	846	375	—	—
Yield (t/ha)	7.1	na	6.9	6.5	6.8	6.7	5.5	7.5	9.7	—	—
CAPSICUMS (EXCLUDING CHILLIES)											
Production (t)	47 124	na	50 862	^ 1 660	^ 1 647	39 556	3 815	3 352	*831	^ 2	—
Area (ha)	2 043	na	2 372	165	^ 108	1 768	175	150	*5	^ 1	—
Yield (t/ha)	23.1	na	21.4	^ 10.0	15.3	22.4	21.8	22.3	^ 153.1	3.2	—
CARROTS											
Production (t)	263 527	267 442	224 571	3 979	48 054	24 758	28 925	64 896	53 958	—	—
Area (ha)	5 174	5 494	4 636	^ 160	^ 1 179	671	614	1 301	712	—	—
Yield (t/ha)	50.9	48.7	48.4	24.8	40.8	36.9	47.1	49.9	75.8	—	—
CAULIFLOWERS											
Production (t)	^ 70 286	na	66 932	11 245	20 018	^ 17 771	^ 5 857	8 426	3 606	10	—
Area (ha)	3 121	na	3 118	477	1 011	841	^ 174	399	216	1	—
Yield (t/ha)	22.5	na	21.5	23.6	19.8	21.1	33.7	21.1	16.7	20.0	—
HERBS											
Production ('000 kg)	na	na	7 361	^ 1 332	^ 2 100	^ 3 596	^ 189	^ 95	^ 26	^ 24	1
Area ('000 m2)	na	na	5 086	963	1 344	^ 2 206	^ 184	^ 321	^ 29	^ 28	10
Yield (kg/m2)	na	na	1.4	1.4	1.6	1.6	^ 1.0	^ 0.3	^ 0.9	0.9	0.1
LETTUCE											
Production (t)	164 543	na	144 637	^ 15 800	49 435	54 351	^ 7 139	14 961	2 768	182	—
Area (ha)	7 411	na	9 071	1 018	^ 4 000	2 390	^ 299	891	470	4	—
Yield (t/ha)	22.2	na	15.9	15.5	12.4	22.7	23.9	16.8	5.9	48.8	—
MELONS											
Production (t)	206 731	na	211 898	59 591	8 692	70 494	5 851	25 715	—	41 553	—
Area (ha)	7 776	na	7 609	1 665	266	3 309	219	996	—	1 153	—
Yield (t/ha)	26.6	na	27.8	35.8	32.6	21.3	26.7	25.8	—	36.0	—

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* 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)

na not available

VEGETABLES FOR HUMAN CONSUMPTION—Year ended 30 June *continued*

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
MUSHROOMS											
Production ('000 kg)	43 416	41 295	49 696	17 510	17 730	5 804	2 789	np	np	—	—
Area ('000 m2)	1 587	1 387	1 602	563	537	183	105	np	np	—	—
Yield (kg/m2)	27.4	29.8	31.0	31.1	33.0	31.7	26.5	np	np	—	—
ONIONS											
Production (t)	283 819	259 947	330 847	14 336	27 207	37 210	129 559	28 626	93 302	607	—
Area (ha)	5 463	5 329	6 139	^ 462	682	950	2 096	471	1 463	14	—
Yield (t/ha)	52.0	48.8	53.9	31.0	39.9	39.2	61.8	60.8	63.8	42.6	—
PEAS, GREEN											
Processing											
Production (t)(a)	18 805	na	13 392	^ 17	*10	*112	—	*12	13 241	—	—
Area (ha)	3 415	na	3 006	^ 7	*7	*25	—	*4	2 963	—	—
Yield (t/ha)	5.5	na	4.5	^ 25.6	1.5	4.5	—	^ 3.0	4.5	—	—
Fresh market											
Production (t)(b)	^ 375	na	^ 813	^ 99	^ 394	287	*8	^ 6	*20	—	—
Area (ha)	206	na	327	^ 60	^ 152	79	^ 4	^ 5	*27	—	—
Yield (t/ha)	1.8	na	2.5	1.7	^ 2.6	3.6	^ 2.1	1.2	0.7	—	—
POTATOES											
Processing											
Production (t)	737 986	na	664 710	51 887	137 133	^ 33 352	185 118	32 502	224 717	—	—
Area (ha)	18 123	na	17 288	1 836	4 355	^ 1 309	4 005	733	5 049	—	—
Yield (t/ha)	40.7	na	38.4	28.3	31.5	25.5	46.2	44.3	44.5	—	—
Fresh Market											
Production (t)	440 548	(c)1 278 118	463 498	58 895	99 584	54 314	171 350	52 320	27 035	—	—
Area (ha)	14 456	(c)36 379	14 865	2 276	3 231	1 998	5 287	1 168	905	—	—
Yield (t/ha)	30.5	(c)35.1	31.2	25.9	30.8	27.2	32.4	44.8	29.9	—	—
PUMPKINS(d)											
Production (t)	103 729	na	102 934	36 322	2 990	41 183	4 301	13 453	1 176	*3 509	—
Area (ha)	5 771	na	6 986	2 127	270	3 233	217	924	69	^ 145	—
Yield (t/ha)	18.0	na	14.7	17.1	11.1	12.7	19.8	14.6	17.0	^ 24.2	—
SWEET CORN											
Production (t)	^ 51 609	na	70 808	25 675	9 026	25 822	^ 189	10 096	*—	—	—
Area (ha)	^ 3 494	na	6 744	1 456	692	3 739	^ 25	831	^ 2	—	—
Yield (t/ha)	14.8	na	10.5	17.6	13.1	6.9	7.5	12.1	*—	—	—
TOMATOES											
Processing											
Production (t)	217 663	na	^ 95 512	^ 27 735	^ 64 124	1 213	805	^ 1 635	—	—	—
Area (ha)	2 612	na	^ 3 540	^ 928	^ 2 436	^ 59	36	^ 82	—	—	—
Yield (t/ha)	83.3	na	27.0	29.9	26.3	^ 20.6	22.1	^ 20.0	—	—	—
Fresh Market											
Production (t)	222 430	(e)471 883	206 207	*19 516	23 661	125 636	17 548	19 106	^ 712	^ 27	*1
Area (ha)	4 177	(e)7 734	4 704	242	1 063	2 795	129	469	5	^ 1	*—
Yield (t/ha)	53.3	(e)61.0	43.8	^ 80.8	22.3	44.9	136.1	40.7	132.2	43.3	10.0

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— 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

(a) Shelled weight.

(b) Pod weight.

(c) 2009-10 also includes potatoes for processing.

(d) Includes Butternut.

(e) 2009-10 also includes tomatoes for processing.

10 GRAPES—Year ended 30 June 2011(a)

	Aust.	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT
GRAPES FOR WINEMAKING									
Bearing age (ha)	155 002	39 502	28 239	862	73 461	11 494	1 350	—	95
Area not yet bearing (ha)	8 045	2 744	1 547	^ 40	3 028	^ 540	145	—	—
Total area of grapes (ha)	**163 047**	**42 246**	**29 786**	**902**	**76 489**	**12 034**	**1 495**	—	**95**
Production (t)	1 597 669	449 209	295 861	1 008	773 959	70 128	7 446	—	*59
Yield (t/ha)(b)	10.3	11.4	10.5	1.2	10.5	6.1	5.5	—	*0.6
DRYING GRAPES									
Bearing age (ha)	3 765	633	2 990	—	^ 101	^ 41	—	—	—
Area not yet bearing (ha)	465	^ 74	333	*1	*46	*11	—	—	—
Total area of grapes (ha)	**4 230**	**707**	**3 323**	***1**	**^ 147**	**^ 52**	—	—	—
Production (t)	^ 11 831	1 872	^ 9 294	—	^ 444	^ 220	—	—	—
Yield (t/ha)(b)	3.1	3.0	^ 3.1	—	4.4	^ 5.4	—	—	—
TABLE AND OTHER GRAPES									
Bearing age (ha)	8 654	1 098	4 602	1 979	^ 271	476	*2	226	—
Area not yet bearing (ha)	947	^ 103	557	^ 128	^ 24	^ 124	*1	*9	—
Total area of grapes (ha)	**9 601**	**1 202**	**5 159**	**2 108**	**^ 295**	**600**	***3**	**234**	—
Production (t)	106 217	^ 13 904	^ 72 450	11 761	^ 1 799	4 766	—	1 536	—
Yield (t/ha)(b)	12.3	^ 12.7	15.7	5.9	6.6	10.0	—	6.8	—
AREA OF GRAPEVINES REMOVED									
Area (ha)	6 085	1 809	1 966	^ 114	1 421	764	^ 10	—	—

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— nil or rounded to zero (including null cells)

(a) Data is for 2010-11 season only.

(b) Yield is based on area of bearing age.

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
CATTLE ('000)											
Dairy cattle											
Cows in milk and dry	1 676	1 596	1 589	195	1 010	97	90	59	138	^—	—
All other dairy cattle	936	947	981	131	594	66	52	54	85	^—	—
Total dairy cattle	*2 612*	*2 542*	*2 570*	*326*	*1 604*	*162*	*143*	*113*	*223*	^—	—
Meat cattle											
Bulls and bull calves intended for service	702	na	678	148	70	290	27	62	11	70	—
Other calves under one year(a)	5 578	na	5 871	1 432	709	2 448	319	470	137	353	3
Cows and heifers one year and over	12 903	12 945	12 883	2 763	1 119	6 001	524	1 062	220	1 188	6
All other meat cattle(b)	6 112	na	6 505	1 040	467	3 711	240	361	98	587	^—
Total meat cattle	*25 294*	*24 008*	*25 936*	*5 384*	*2 366*	*12 450*	*1 110*	*1 954*	*467*	*2 197*	*9*
Total cattle and calves	**27 907**	**26 550**	**28 506**	**5 710**	**3 970**	**12 612**	**1 252**	**2 067**	**689**	**2 197**	**9**
PROPORTION OF HERD (%)											
Dairy cattle	9	10	9	6	40	1	11	5	32	^—	—
Meat cattle	91	90	91	94	60	99	89	95	68	100	100
AGRICULTURAL BUSINESSES WITH CATTLE (NO.)(c)											
Number of businesses with dairy cattle											
Cows in milk and dry	7 925	8 898	7 504	1 175	4 476	836	317	229	470	^1	—
All other dairy cattle	8 250	9 997	8 118	1 277	4 935	775	368	261	502	^1	—
Total dairy cattle	*8 876*	*10 973*	*8 898*	*1 501*	*5 164*	*968*	*401*	*294*	*569*	*^1*	—
Number of businesses with meat cattle											
Bulls and bull calves intended for service	53 761	na	54 897	20 725	10 683	14 805	3 378	3 405	1 644	215	43
Other calves under one year(a)	52 175	na	56 364	20 645	11 647	14 786	3 664	3 545	1 828	206	45
Cows and heifers one year and over	62 886	60 291	63 427	23 738	12 776	16 627	4 026	3 931	2 050	231	48
All other meat cattle(b)	44 691	na	44 497	14 026	9 703	13 785	2 603	2 542	1 602	218	19
Total meat cattle	*74 237*	*71 104*	*74 476*	*27 166*	*16 020*	*19 226*	*4 629*	*4 528*	*2 603*	*254*	*51*
Total businesses with cattle and calves	**79 390**	**77 082**	**79 322**	**27 866**	**19 190**	**19 610**	**4 810**	**4 644**	**2 896**	**255**	**51**

^ 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)

na not available

(a) Excluding bull calves for service.

(b) Includes steers, bullocks, spayed cows etc.

(c) Businesses may be involved in more than one industry therefore total number of agricultural businesses for a particular commodity may not equal the sum of its components.

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
SHEEP ('000)											
Breeding ewes one year and over	40 867	42 265	41 822	15 419	8 641	1 964	6 133	8 335	1 302	—	29
Marked lambs under one year	20 249	na	21 758	8 265	4 375	885	3 752	3 796	670	—	15
All other sheep(a)	11 624	25 820	9 519	3 141	2 196	804	1 124	1 870	372	1	10
Total sheep and lambs	**72 740**	**68 085**	**73 099**	**26 825**	**15 212**	**3 653**	**11 009**	**14 000**	**2 344**	**2**	**54**
LAMBING ('000)											
Ewes mated to produce lambs	38 387	na	37 385	13 550	7 737	1 704	5 334	7 857	1 175	—	28
Lambs marked	32 543	31 901	33 289	12 208	7 108	1 197	5 111	6 546	1 098	—	21
PROPORTION OF LAMBS MARKED TO EWES MATED (%)											
Proportion of lambs marked to ewes mated	42	na	89	90	92	70	96	83	93	—	77
AGRICULTURAL BUSINESSES WITH SHEEP (NO.)(b)											
Number of businesses with breeding ewes one year and over	39 666	39 288	39 767	14 963	9 880	1 576	6 231	5 738	1 345	^2	31
Number of businesses with marked lambs under one year	33 178	na	35 534	13 647	8 793	1 462	5 664	4 723	1 214	1	29
Number of businesses with all other sheep(a)	42 430	38 123	36 540	13 390	9 145	1 567	5 685	5 395	1 329	^3	25
Total number of businesses with sheep and lambs	**43 590**	**42 573**	**43 828**	**16 416**	**10 970**	**1 819**	**6 813**	**6 223**	**1 552**	**^3**	**32**

^ 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)

na not available

(a) Includes rams, wethers, hoggets and non-breeding ewes. The 2009-10 figure also includes marked lambs.

(b) Businesses may be involved in more than one industry therefore total number of agricultural businesses for a particular commodity may not equal the sum of its components.

	AUST.			2011							
	2009	*2010*	*2011*	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
PIGS ('000)											
Breeding boars	8	na	9	2	2	2	1	1	—	^—	—
Breeding sows(a)	242	232	261	56	56	60	50	38	2	^—	—
Gilts intended for breeding	36	na	34	7	9	7	^7	4	—	*—	—
All other pigs(b)	2 015	2 058	1 981	421	438	570	315	226	11	^—	—
Total pigs	**2 302**	**2 289**	**2 285**	**486**	**505**	**639**	**373**	**269**	**13**	^—	—
AGRICULTURAL BUSINESSES WITH PIGS (NO.)(c)											
Number of businesses with breeding boars	1 321	na	1 504	496	261	319	220	152	52	^3	—
Number of businesses with breeding sows(a)	1 351	1 839	1 659	549	303	353	238	159	54	^2	—
Number of businesses with gilts intended for breeding	841	na	939	285	171	193	163	97	30	*1	—
Number of businesses with all other pigs(b)	1 683	2 335	1 879	578	348	450	260	165	72	^5	—
Total number of businesses with pigs	**1 835**	**2 456**	**2 310**	**742**	**450**	**512**	**301**	**207**	**92**	**^5**	—
OTHER LIVESTOCK ('000)											
Horses - stud	95	na	89	34	19	24	4	7	2	^—	*—
Horses - other(d)	162	na	170	54	20	72	6	10	2	6	^—
Deer (e)	*46	na	45	8	12	^12	^3	^5	5	*—	—
Buffaloes	*9	na	4	^—	^1	^—	—	^—	*—	3	—
Goats(f)	^728	^513	547	288	39	166	^6	42	2	^2	*1
All other livestock	*479	372	361	^146	54	88	12	27	^2	32	—
Total livestock	**1 518**	**885**	**1 217**	**530**	**144**	**362**	**30**	**91**	**14**	**44**	***2**
POULTRY ('000)											
Chickens for meat production	82 805	71 290	77 633	29 558	16 695	15 878	np	np	np	—	—
Chickens for egg production(g)	12 604	11 734	13 111	4 398	3 429	^3 520	361	1 143	176	—	84
Ducks	^1 473	na	1 000	394	^602	^3	—	^—	^1	—	*—
Turkeys	^1 203	na	1 203	914	116	^1	^148	np	np	^—	*—
All other poultry	^4 692	7 025	5 820	^2 561	1 555	426	457	np	np	^—	*—
Total poultry	**102 778**	**90 048**	**98 767**	**37 825**	**22 396**	**19 827**	np	np	np	—	**84**

^ 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

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

(a) From first mating.

(b) Includes suckers, weaners, growers, finishers etc. The 2009-10 figure also includes breeding boars.

(c) Businesses may be involved in more than one industry therefore total number of agricultural businesses for a particular commodity may not equal the sum of its components.

(d) Including stock horses.

(e) Excluding unmanaged feral deer.

(f) Excluding unmanaged feral goats.

(g) Including hens in moult.

EXPLANATORY NOTES

INTRODUCTION

1 This publication contains final estimates for the main commodities collected in the 2010–11 Agricultural Census. Included are statistics on land use, industry activity, crop and horticultural area and production, and livestock numbers.

2 Data at sub-state geographies such as Murray Darling Basin (MDB), Natural Resource Management (NRM) region, Statistical Division (SD), Statistical Local Area (SLA), Statistical Area 4 (SA4), Statistical Area 2 (SA2), River Basin and Drainage Division geographical levels will be released as separate datacubes attached to this publication in August 2012.

GENERAL

3 The Agricultural Census is conducted once every five years, with the Agricultural Resource Management Survey (ARMS) and the Agricultural Survey (AS) conducted in alternate years between Censuses. The main objective of the Agricultural Census is to provide benchmark information on the agriculture sector for small geographic areas. The 2010-11 Agricultural Census provides estimates for a range of agricultural commodity items, including broadacre cropping, horticultural production, livestock and land preparation. Care should be taken when comparing estimates over time as not all categories directly align between years. For example, a greater range of commodity items was collected for the 2010-11 Agricultural Census in comparison to the previous 2009-10 ARMS. Commodity information for the 2009-10 ARMS year is included where possible.

4 Agricultural water use data collected as part of the 2010–11 Agricultural Census will be released in *Water Use on Australian Farms* (cat. no. 4618.0). Data related to the gross and local values of production of major agricultural commodities for all states will be released in *Value of Agricultural Commodities Produced, Australia* (cat. no. 7503.0).

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

CROPS, PASTURES AND HORTICULTURE

6 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.

LIVESTOCK SLAUGHTERING AND LIVESTOCK PRODUCTS

7 Livestock slaughtering and livestock products, including milk and wool data, and poultry slaughtering are no longer included in this publication. Further information can be found in the publication *Livestock Products, Australia* (cat. no. 7215.0).

INDUSTRY CLASSIFICATION

8 The industry classification used in this publication is the 2006 version of the Australian and New Zealand Standard Industrial Classification (ANZSIC). Prior to the 2005–06 issue of this publication, estimates were based on the ANZSIC 1993 edition. ANZSIC 2006 was developed to provide a more contemporary industrial classification system taking into account issues such as changes in the structure and composition of the economy, changing user demands and compatibility with major international classification standards. For more information, please refer to *Australian and New Zealand Standard Industrial Classification (ANZSIC), 2006* (cat. no. 1292.0).

STATISTICAL UNITS USED

9 Since 2005–06, the ABS has used an economic statistics units model on the ABS' Business Register (ABSBR) to describe the characteristics of businesses and the structural relationships between related businesses. The units model is used within large and diverse business groups to define reporting units that can provide data to the ABS at a suitable level. The ABSBR is based on the Australian Business Register (ABR) which is administered and maintained by the Australian Taxation Office (ATO).

10 Respondents to the 2010–11 Agricultural Census were businesses undertaking agricultural activity drawn from the ABS Business Register.

SCOPE AND COVERAGE

11 The scope of the 2010–11 Agricultural Census included all businesses undertaking agricultural activity recorded on the ABS Business Register (ABSBR) above a minimum size cut–off of $5,000.

12 The measure of size was based on the ABS' Estimated Value of Agricultural Operations (EVAO) or a derived value based on Business Activity Statement (BAS) turnover if EVAO was not available.

13 While the ABSBR does not include all agricultural businesses in Australia, it provides improved coverage from the former ABS maintained Agricultural Survey frame, as most businesses and organisations in Australia need to obtain an Australian Business Number (ABN) from the ABR for their business operations. The ABR based register is also more up–to–date as it excludes agricultural businesses with cancelled ABNs and incorporates regularly updated information on agricultural businesses from the ABR and ATO.

14 For the 2010–11 Agricultural Census, a response rate of 88% was achieved from an in–scope population of approximately 165,000 agricultural businesses. This was the first agricultural collection to use an e-form, and the e-form achieved a take up rate of 11%.

RELIABILITY OF ESTIMATES (SAMPLE ERROR)

15 The estimates in this publication are based on information obtained from the agricultural businesses that responded to the Agricultural Census. However, since not all of the businesses that were selected provided data, the estimates are subject to sampling variability; that is, they may differ from the figures that would have been produced if all businesses had provided data. One measure of the 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 or had responded. 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 businesses had responded, and about nineteen chances in twenty that the difference will be less than two SEs.

16 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.

17 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 RSE 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.

18 A table with RSEs for selected commodities follows:

RELIABILITY OF ESTIMATES (SAMPLE ERROR) *continued*

RELATIVE STANDARD ERRORS OF SELECTED COMMODITIES—at 30 June 2011

	Aust.	*NSW*	*Vic.*	*Qld*	*SA*	*WA*	*Tas.*	*NT*	*ACT*
	%	%	%	%	%	%	%	%	%
Barley for grain, production	0.4	0.9	0.7	2.2	0.6	0.7	3.4	—	—
Canola, production	0.6	1.2	1.1	18.5	1.1	1.0	10.8	—	35.1
Lupins for grain or seed, production	0.9	2.1	2.6	30.2	1.7	1.2	16.6	—	—
Oats for grain, production	0.7	1.1	1.7	4.2	1.8	1.3	3.1	—	—
Wheat for grain, production	0.3	0.6	0.6	2.0	0.4	0.5	4.0	—	32.2
Oranges, production	1.6	2.1	6.0	1.0	2.3	3.6	—	—	—
Carrots, production	2.5	5.3	8.6	5.4	5.7	2.6	4.1	—	—
Potatoes, production	1.4	2.5	3.6	5.7	2.7	3.8	3.0	—	—
Total meat cattle	0.3	0.3	0.4	0.5	1.3	1.3	1.6	0.8	6.5
Total dairy cattle	0.5	1.3	0.5	1.8	3.1	2.0	1.6	20.4	—
Total Sheep	0.2	0.4	0.4	1.9	0.6	0.5	1.0	0.4	7.9
Total pigs	1.6	1.3	2.5	3.9	6.3	5.4	4.1	16.8	—

— nil or rounded to zero (including null cells)

19 As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Enquiries should be made to the National Information and Referral Service on 1300 135 070.

GENERAL ACKNOWLEDGMENT

20 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

21 Current publications and other products released by the ABS is produced by the ABS, including:

- *Principal Agricultural commodities, Australia, Preliminary* (cat. no. 7111.0)
- *Value of Agricultural Commodities Produced, Australia, Preliminary* (cat. no. 7501.0)
- *Stocks of Grain Held by Bulk Handling Companies and Grain Traders, Australia* (7122.0.55.001)
- *Wheat Stocks and Exports, Australia* (cat. no. 7307.0)
- *Livestock Products, Australia* (cat. no. 7215.0)
- *Livestock and Meat, Australia* (cat. no 7218.0.55.001)
- *Water Use on Australian Farms* (cat. no 4618.0)
- *Gross Value of Irrigated Agricultural Production* (cat. no. 4610.0.55.008)
- *Value of Agricultural Commodities Produced, Australia* (cat. no. 7503.0)
- *Vineyards Estimates, Australia* (cat. no. 1329.0.55.002)

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INTERNET **www.abs.gov.au** the ABS website is the best place for data from our publications and information about the ABS.

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