



1992-93

**AGRICULTURAL
LAND USE AND
SELECTED INPUTS**

QUEENSLAND

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AGRICULTURAL LAND USE AND SELECTED INPUTS, QUEENSLAND, 1992-93

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NOTES

Statistics in this publication are derived principally from the annual agricultural census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity. This publication contains data for Queensland and includes inputs to agriculture such as land use, labour, fertiliser used on crops, irrigation, structure of agricultural establishments and meteorology.

From 1991-92 the scope of the agricultural census has changed to include only establishments with an estimated value of agricultural operations (EVAO) of \$22,500 or more. For further explanation see the Explanatory Notes which are located on page 13 of this publication.

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25 March 1994

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SUMMARY OF FINDINGS

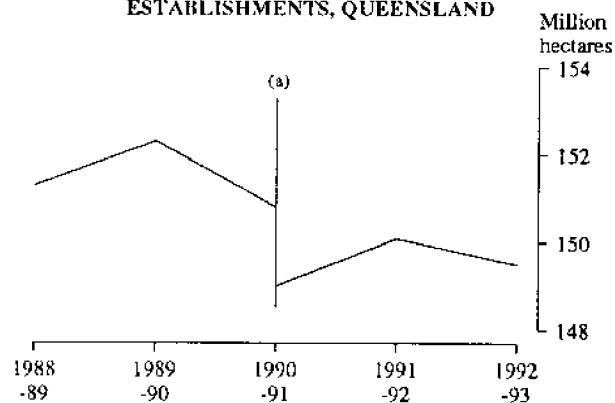
Land utilisation

The total area of establishments with agricultural activity in Queensland at 31 March 1993 was 150 million hectares. About 25,000 establishments engaged in agricultural activity of some kind. These represented 20 per cent of the Australian total, a proportion which has remained fairly constant over the past 6 years.

At 31 March 1993, the area of sown pasture and grasses was 5.6 million hectares, an increase of 2.7 per cent compared with the area at 31 March 1992. This continues the steady increase of previous years.

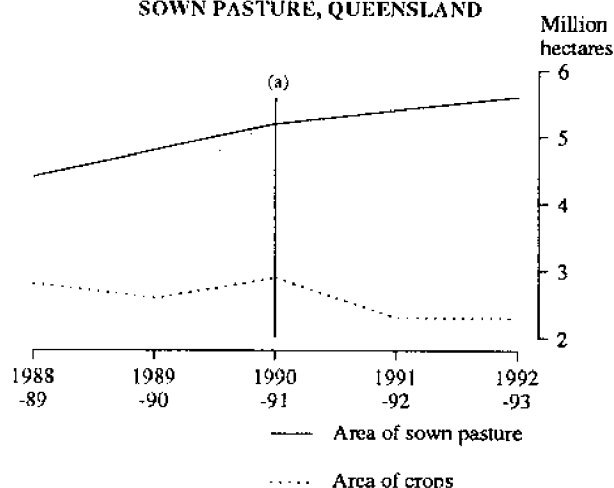
The area of crops in 1992–93 was 2.3 million hectares, the same as for 1991–92.

DIAGRAM 1 - LAND UTILISATION: AREA OF AGRICULTURAL ESTABLISHMENTS, QUEENSLAND



(a) See Paragraph 2 and 3 of the Explanatory Notes.

DIAGRAM 2 - LAND UTILISATION: AREA OF CROPS AND SOWN PASTURE, QUEENSLAND



(a) See Paragraph 2 and 3 of the Explanatory Notes.

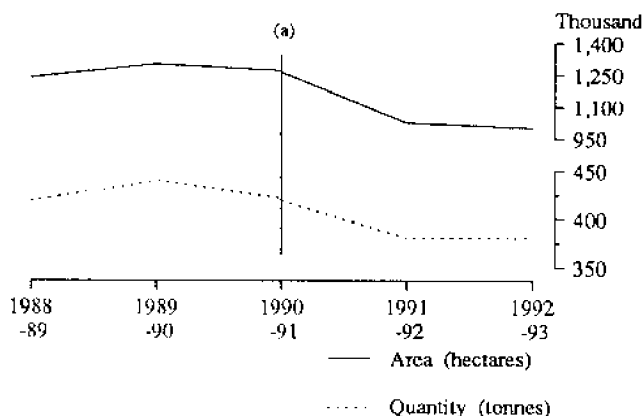
Fertilisation

The area of crops and pastures fertilised in 1992–93 was 1,001,000 hectares. This was 2.4 per cent less than the 1,026,000 hectares fertilised in 1991–92. The quantity of fertiliser used in 1992–93 was 381,000 tonnes, the same quantity as was used in 1991–92.

In 1992–93, 384,000 hectares of land were fertilised in the Darling Downs Statistical Division which was 38 per cent of the total area fertilised in Queensland.

Application rates of fertiliser ranged from 0.71 tonnes per hectare in the Far North Statistical Division to 0.14 tonnes per hectare in the Darling Downs Statistical Division. The highest rates of application were in the northern and southern coastal regions. (See Diagram 6, page 5.)

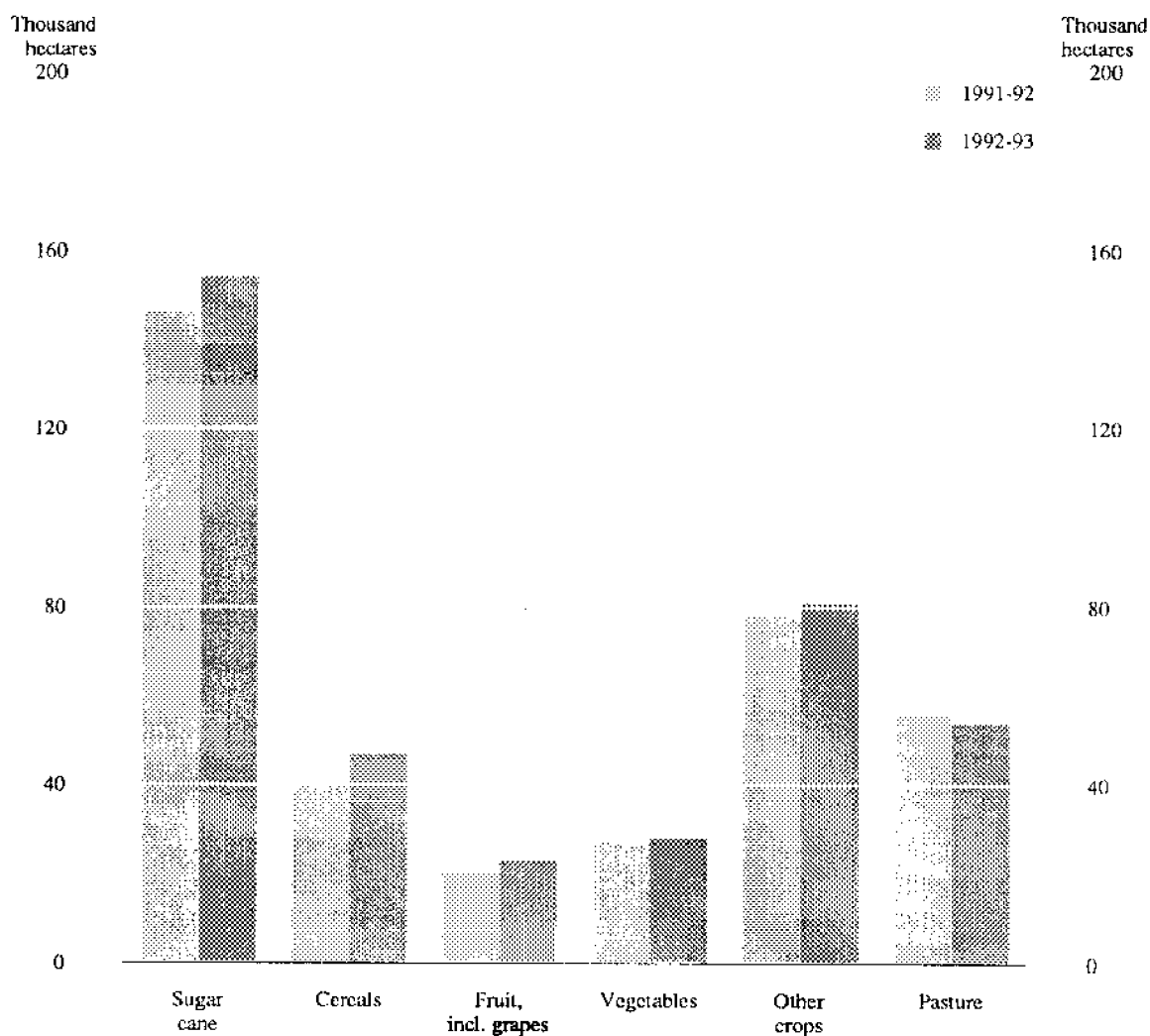
DIAGRAM 3 - AREA FERTILISED AND QUANTITY USED ON CROPS AND PASTURE, QUEENSLAND



(a) See Paragraphs 2 and 3 of the Explanatory Notes.

SUMMARY OF FINDINGS — *continued***Irrigation**

**DIAGRAM 4 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS:
AREA OF CROPS AND PASTURE IRRIGATED, QUEENSLAND,
1991-92 AND 1992-93**



In 1992-93, the total area of crops and pasture irrigated in Queensland was 387,000 hectares. This exceeded the total area for the previous year by 5.4 per cent. The largest individual increases occurred in cereals, fruit and sugar cane.

The area of cereals irrigated in 1992-93 was 46,500 hectares, an increase of 15.8 per cent compared with the 1991-92 area. The largest increase occurred in the Darling Downs Statistical Division where an additional 4,500 hectares of cereals were irrigated.

The area of fruit irrigated in 1992-93 was 22,600 hectares, an increase of 15 per cent compared with the 1991-92 area. This increase occurred mainly in the Far North, Wide Bay-Burnett and Fitzroy Statistical Divisions.

The area of sugar cane irrigated in 1992-93 was 154,000 hectares, 5.8 per cent more than the 146,000 hectares irrigated in 1991-92. The largest increase, 5,000 hectares, occurred in the Northern Statistical Division.

Vegetables had the highest rate of irrigation with 82.9 per cent of the total crop irrigated in 1992-93. Cotton was next with 71.5 per cent irrigated, followed by fruit with 62.3 per cent.

SUMMARY OF FINDINGS — *continued***Agricultural establishments: Estimated value of agricultural operations**

During the year ended 31 March 1993, the number of predominantly agricultural establishments included in the agricultural census increased from 24,200 to 24,800. Of these, approximately half had an estimated value of agricultural operations (EVAO) of \$100,000 or more and one quarter had an EVAO of \$200,000 or more.

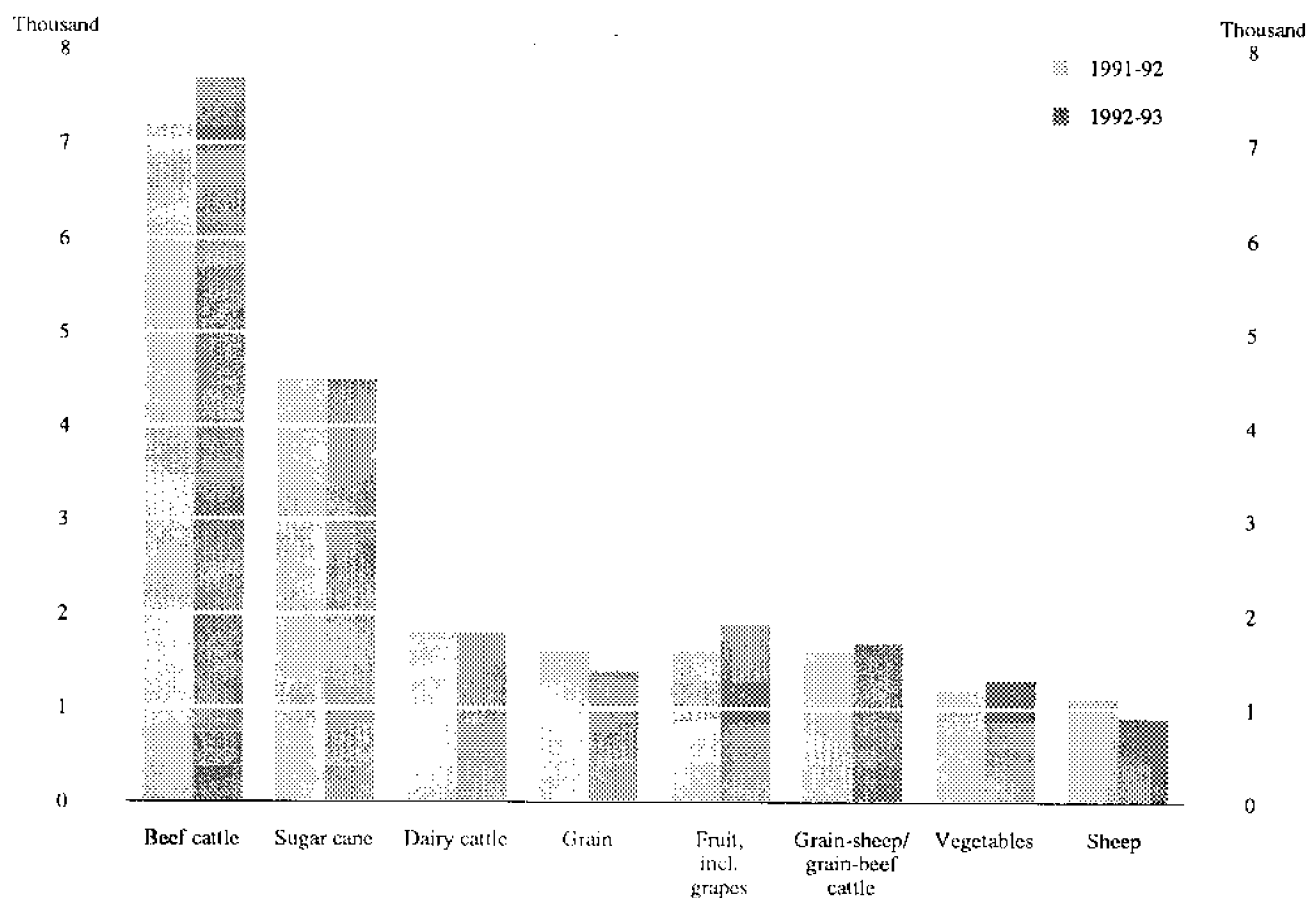
Industry classification of agricultural establishments

The most common agricultural industry in Queensland was meat cattle, involving 31 per cent of the agricultural establishments included in the 1992-93 agricultural census. The number of establishments whose main industry was meat cattle increased by 6.9 per cent from 7,200 in 1991-92 to 7,700 in 1992-93.

Sugar cane was the second most common agricultural industry. The number of establishments that predominantly grew sugar cane declined by another 1.2 per cent from the previous year, leaving 4,455 establishments in 1992-93. This represented 18 per cent of agricultural establishments.

The number of establishments which predominantly grew fruit (including grapes) increased by 19 per cent, while the number of establishments whose main activity was grain decreased by 13 per cent and those with predominantly sheep decreased by 20 per cent.

**DIAGRAM 5 - NUMBER OF AGRICULTURAL ESTABLISHMENTS BY
SELECTED INDUSTRY, QUEENSLAND, 1991-92 AND 1992-93**



SUMMARY

TABLE 1 — AGRICULTURAL ESTABLISHMENTS: AREA AND LAND UTILISATION, QUEENSLAND

<i>Particulars</i>	<i>Unit</i>	<i>1988-89</i>	<i>1989-90</i>	<i>1990-91</i>	<i>1990-91 (a)</i>	<i>1991-92</i>	<i>1992-93</i>
Total area of Queensland	'000 hectares	172,700	172,700	172,700	172,700	172,700	172,700
Agricultural establishments	number	25,734	26,619	25,364	23,728	24,493	25,131
Area of agricultural establishments	'000 hectares	151,310	152,340	150,828	149,044	150,045	149,520
Area of crops (b)	'000 hectares	2,842	2,580	2,872	2,860	2,302	2,316
Area under sown pasture							
Lucerne	'000 hectares	33	40	51	50	51	52
Other	'000 hectares	4,321	4,782	5,145	5,118	5,396	5,543
Balance of establishments (c)	'000 hectares	144,114	144,938	142,760	141,016	142,296	141,610

(a) Data adjusted to the 1991-92 census scope of \$22,500 EVAO cutoff. (b) Excluding lucerne and other pasture harvested for hay, seed and green feed. (c) Used for intermittent grazing, lying idle, fallow, not suitable for agriculture, etc.

TABLE 2 — AGRICULTURAL ESTABLISHMENTS: AREA AND LAND UTILISATION IN STATISTICAL DIVISIONS, QUEENSLAND, 1992-93

<i>Statistical division</i>	<i>Total area (a)</i>	<i>Agri-cultural establishments</i>	<i>Area of agricultural establishments</i>	<i>Land utilisation on agricultural establishments</i>			
				<i>Area of crops (b)</i>	<i>Sown pasture</i>		<i>Balance</i>
					<i>Lucerne</i>	<i>Other</i>	
	<i>'000 ha</i>	<i>No.</i>	<i>'000 ha</i>	<i>'000 ha</i>	<i>'000 ha</i>	<i>'000 ha</i>	<i>'000 ha</i>
Moreton and Brisbane	2,236	3,773	840	58.1	6.7	53.5	721.4
Wide Bay-Burnett	5,214	4,060	3,418	158.0	6.5	262.0	2,991.1
Darling Downs	9,007	5,686	7,381	1,030.5	31.6	603.4	5,715.6
South West	32,252	1,604	29,877	205.8	3.1	650.2	29,017.9
Fitzroy	12,188	2,424	10,179	401.8	3.2	1,711.3	8,063.1
Central West	37,047	692	34,058	0.3	—	602.5	33,455.2
Mackay	6,848	1,901	6,179	229.2	0.1	1,094.7	4,854.8
Northern	10,103	1,852	8,867	121.8	0.4	348.6	8,395.8
Far North	26,653	2,645	19,435	109.8	—	159.9	19,165.2
North West	31,177	494	29,287	0.7	—	56.7	29,229.6
Queensland	172,700	25,131	149,520	2,315.9	51.6	5,542.7	141,609.8

(a) Statistical divisions have been rounded to the nearest 1,000 hectares and the State total to the nearest 100,000 hectares. (b) Excluding lucerne and other pasture harvested for hay, seed and green feed.

TABLE 3 — ARTIFICIAL FERTILISER ON AGRICULTURAL ESTABLISHMENTS: AREA FERTILISED AND QUANTITY USED ON CROPS AND PASTURE, QUEENSLAND

Year	Area fertilised	Quantity of fertiliser used
	hectares	tonnes
1988-89	1,238,828	419,992
1989-90	1,303,013	440,088
1990-91	1,274,293	422,101
1990-91 (a)	1,264,670	419,205
1991-92	1,025,902	380,680
1992-93	1,000,997	380,947

(a) Data adjusted to the 1991-92 census scope of \$22,500 EVAO cutoff.

DIAGRAM 6 - FERTILISER APPLICATION RATES FOR TOTAL CROPS AND PASTURE IN STATISTICAL DIVISIONS, QUEENSLAND, 1991-92 AND 1992-93

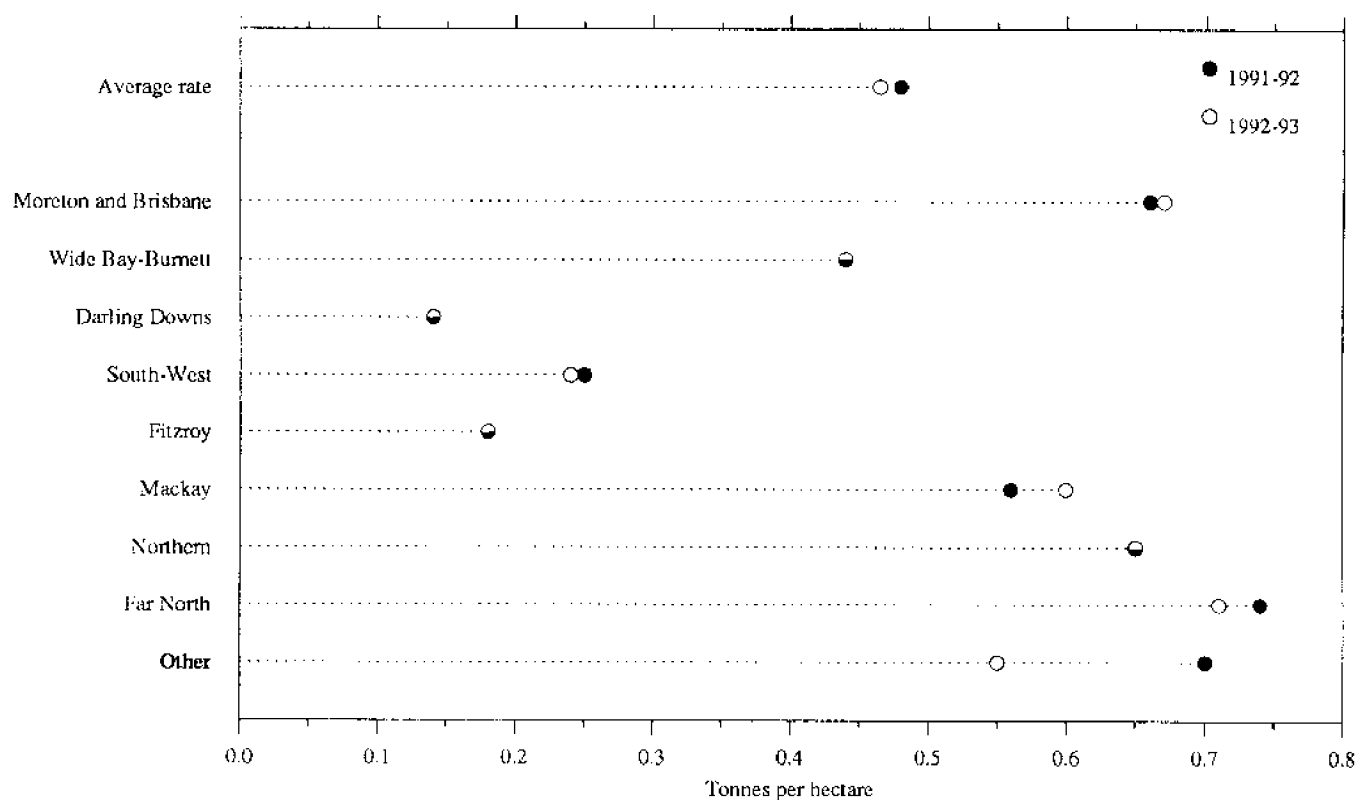


TABLE 4 — IRRIGATION ON AGRICULTURAL ESTABLISHMENTS (a): CROPS AND PASTURE IRRIGATED, QUEENSLAND

<i>Particulars</i>	<i>1986-87</i>	<i>1989-90</i>	<i>1990-91</i>	<i>1990-91 (b)</i>	<i>1991-92</i>	<i>1992-93</i>
	<i>No.</i>	<i>No.</i>	<i>No.</i>	<i>No.</i>	<i>No.</i>	<i>No.</i>
Establishments using irrigation	7,280	7,225	7,811	7,458	7,898	8,448
	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>
<i>Crops</i>	236,264	263,671	300,716	299,463	310,641	332,532
Sugar cane	106,255	117,153	137,729	137,691	145,526	154,017
Grain sorghum	12,701	11,005	41,166	40,800	40,150	46,512
Other cereals	25,147	25,064				
Cotton	24,310	45,012	n.a.	n.a.	n.a.	n.a.
Fruit (including grapes)	11,654	14,199	17,236	16,919	19,686	22,613
Vegetables	22,346	25,368	26,687	26,534	27,252	28,138
Other crops	33,851	25,871	(c) 77,899	(c) 77,519	(c) 78,026	(c) 81,252
<i>Pasture</i>	39,096	48,430	57,219	55,554	56,280	54,207
Lucerne	15,378	13,719	(d)	(d)	(d)	(d)
Other	23,718	34,711	(d)	(d)	(d)	(d)
Total	275,360	312,102	357,935	355,017	366,921	386,739
	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>
<i>Proportion of crop irrigated</i>						
Sugar cane	29.9	31.6	36.0	36.0	38.0	40.1
Cotton	78.4	69.5	69.1	69.1	68.1	71.5
Fruit (including grapes)	40.6	43.5	53.4	53.4	58.3	62.3
Vegetables	70.7	69.8	79.1	79.2	84.6	82.9
All crops	7.8	11.8	10.5	10.5	13.5	14.4

(a) Not collected in 1987-88 and 1988-89. (b) Data adjusted to the 1991-92 census scope of \$22,500 EVAO cutoff. (c) Including cotton. (d) Not collected separately.

TABLE 5 — IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: CROPS AND PASTURE IRRIGATED BY METHOD OF IRRIGATION, QUEENSLAND, 1989-90 (a)
(hectares)

<i>Particulars</i>	<i>Method of irrigation</i>				<i>Total area irrigated</i>
	<i>Sprays</i>	<i>Furrows and flooding</i>	<i>Trickle (incl. micro-spray)</i>	<i>Multiple</i>	
<i>Crops</i>	99,079	133,793	12,337	18,463	263,671
Sugar cane	46,721	59,535	644	10,253	117,153
Grain sorghum	3,151	7,281	—	573	11,005
Other cereals	9,985	13,345	—	1,734	25,064
Cotton	2,424	41,561	120	906	45,012
Soybeans	6,468	6,192	—	922	13,582
Fruit (including grapes)	5,928	266	6,932	1,074	14,199
Vegetables	16,257	2,615	4,315	2,180	25,368
Other crops	8,144	2,998	326	822	12,289
<i>Pasture</i>	35,166	9,000	—	4,264	48,431
Lucerne	12,643	159	—	917	13,719
Other	22,523	8,841	—	3,347	34,711
Total area irrigated	134,245	142,793	12,337	22,727	312,102

(a) Latest year collected.

LAND USE

TABLE 6 — AGRICULTURAL ESTABLISHMENTS (a) GROWING PRINCIPAL CROPS IN STATISTICAL DIVISIONS, QUEENSLAND, 1992-93

Statistical division	Any crop	Sugar cane	Barley	Grain sorghum	Maize	Wheat	Cotton	Pea-nuts	Soy-beans	Sun-flower	To-bacco	Pota-toes
Moreton and Brisbane	2,409	188	138	161	118	48	1	12	250	7	8	201
Wide Bay-Burnett	2,528	953	154	356	230	174	4	257	158	7	3	19
Darling Downs	4,345	—	1,871	1,467	222	1,597	272	22	129	251	—	30
South West	518	—	102	27	—	267	44	1	—	2	—	—
Fitzroy	1,138	—	58	371	23	410	89	23	9	60	—	3
Central West	8	—	—	—	—	—	—	—	—	—	—	—
Mackay	1,455	1,264	3	73	2	61	2	2	—	16	—	1
Northern	1,455	1,162	—	3	4	—	—	—	—	—	—	6
Far North	2,099	1,161	—	10	108	1	—	90	—	—	259	72
North West	8	—	—	—	—	—	—	—	—	—	—	—
Queensland	15,963	4,728	2,326	2,468	707	2,558	412	407	546	343	270	332

(a) Growers of any area.

TABLE 7 — AGRICULTURAL ESTABLISHMENTS BY AREA OF ESTABLISHMENT IN STATISTICAL DIVISIONS, QUEENSLAND, 1992-93

Area of establishment (hectares)	Statistical division										Queens-land
	Moreton and Brisbane	Wide Bay-Burnett	Darling Downs	South West	Fitzroy	Central West	Mackay	Northern	Far North	North West	
Under 10 (a)	560	73	79	7	16	—	11	34	59	1	840
10-19	337	137	79	1	34	—	14	38	89	—	729
20-29	253	137	72	—	30	—	22	59	121	—	694
30-39	223	139	89	1	17	—	43	79	198	—	789
40-49	208	163	76	1	38	—	66	146	240	—	938
50-74	394	337	163	5	57	—	195	293	509	—	1,953
75-99	252	258	154	2	35	—	190	212	307	1	1,411
100-124	211	207	154	3	35	—	152	129	213	—	1,104
125-149	161	231	242	1	26	—	127	98	157	—	1,043
150-199	237	276	367	4	55	—	166	115	178	—	1,398
200-249	187	241	329	2	64	—	119	77	103	—	1,122
250-299	118	207	365	11	63	—	82	43	74	1	964
300-399	163	263	503	12	113	1	97	46	68	—	1,266
400-499	106	158	387	12	93	—	58	34	26	—	874
500-749	133	296	607	31	196	1	61	28	26	—	1,379
750-999	61	158	316	50	141	2	25	15	15	—	783
1,000-1,999	106	344	723	151	330	7	68	46	28	4	1,807
2,000-2,999	32	149	403	149	212	4	62	42	5	7	1,065
3,000-3,999	11	95	179	99	195	9	31	23	4	7	653
4,000-4,999	12	43	114	109	126	14	28	13	7	7	473
5,000-9,999	7	106	199	304	288	120	99	57	21	62	1,263
10,000-19,999	1	39	64	282	168	255	102	69	30	150	1,160
20,000-29,999	—	3	8	154	48	116	41	69	23	70	532
30,000-49,999	—	—	11	122	33	72	26	51	36	66	417
50,000 and over	—	—	3	91	11	91	16	36	108	118	474
Total (a)	3,773	4,060	5,686	1,604	2,424	692	1,901	1,852	2,645	494	25,131

(a) Including non-land-based beekeeping establishments in the statistical divisions of: Moreton and Brisbane, 39; Wide Bay-Burnett, 14; Darling Downs, 15; South West, 7; Fitzroy, 5; Northern, 1; Far North, 1 and Queensland, 82.

SELECTED INPUTS

1. LABOUR

TABLE 8 — EMPLOYMENT (a) IN AGRICULTURE AND SERVICES TO AGRICULTURE, QUEENSLAND

<i>Month</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Proportion of total employment</i>
	<i>'000</i>	<i>'000</i>	<i>'000</i>	<i>%</i>
<i>1992—</i>				
February	53.2	26.1	79.3	6.0
May	53.4	25.6	79.1	5.9
August	53.2	23.7	76.9	5.7
November	49.7	22.6	72.2	5.3
<i>1993—</i>				
February	51.4	22.3	73.7	5.5
May	53.0	21.0	74.1	5.4
August	53.3	23.9	77.2	5.7
November	58.1	23.4	81.5	5.9

(a) Estimates of persons aged 15 years and over, employed on a full-time or part-time basis. For further information, see the ABS publication *The Labour Force* (6201.3).

2. FERTILISERS

TABLE 9 — TOTAL CROPS AND PASTURE: AREA FERTILISED AND QUANTITY OF FERTILISER USED
IN STATISTICAL DIVISIONS, QUEENSLAND, 1992-93

<i>Statistical division</i>	<i>Area fertilised</i>	<i>Quantity of fertiliser used</i>	<i>Establishments using fertiliser</i>
	<i>hectares</i>	<i>tonnes</i>	<i>No.</i>
Moreton and Brisbane	58,988	39,281	2,128
Wide Bay-Burnett	125,707	55,156	2,229
Darling Downs	383,586	55,407	2,369
South West	20,311	4,865	79
Fitzroy	91,621	16,127	523
Central West	111	87	6
Mackay	103,013	61,659	1,262
Northern	107,130	69,873	1,333
Far North	110,353	78,421	2,023
North West	178	71	7
Queensland	1,000,997	380,947	11,959

3. IRRIGATION

TABLE 10 — IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: CROPS AND PASTURE IRRIGATED
IN STATISTICAL DIVISIONS, QUEENSLAND, 1992-93

<i>Statistical division</i>	<i>Sugar cane</i>	<i>Cereals</i>	<i>Fruit (including grapes)</i>	<i>Vegetables</i>	<i>Other crops</i>	<i>Pasture</i>	<i>Total area irrigated</i>	<i>Establishments using irrigation</i>
	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>hectares</i>	<i>No.</i>
Moreton and Brisbane	237	4,273	2,660	11,290	4,486	17,664	40,609	1,926
Wide Bay-Burnett	45,263	4,588	5,622	4,617	2,280	13,385	75,754	1,816
Darling Downs	—	25,240	2,937	2,753	35,680	8,809	75,420	1,197
South West	—	1,673	122	12	11,435	518	13,760	81
Fitzroy	—	7,752	1,070	545	22,958	6,307	38,633	517
Central West	—	10	—	—	77	114	201	8
Mackay	51,431	616	80	39	361	1,294	53,820	870
Northern	53,021	1,772	2,340	7,347	391	1,032	65,904	944
Far North	4,065	584	7,783	1,534	3,528	5,034	22,528	1,080
North West	—	4	—	—	57	49	110	9
Queensland	154,017	46,512	22,613	28,138	81,252	54,207	386,739	8,448

TABLE 11 — IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: SOURCE OF WATER IN STATISTICAL DIVISIONS,
QUEENSLAND, 1990-91 (a)
(hectares)

Statistical division	Surface water				
	State irrigation schemes	Unregulated streams	Farm dams	Underground	Town supply
Moreton and Brisbane	10,787	5,304	7,013	16,061	116
Wide Bay-Burnett	41,775	5,050	8,489	18,217	14
Darling Downs	18,078	6,483	19,474	23,112	33
South West	13,496	4,313	1,330	708	—
Fitzroy	20,793	1,043	2,497	9,622	1
Central West	—	22	154	—	—
Mackay	13,714	6,139	3,630	23,715	4
Northern	16,696	3,333	869	36,562	12
Far North	8,961	6,174	1,433	2,132	18
North West	—	475	—	84	—
Queensland	144,300	38,336	44,890	130,214	196

(a) Latest year collected.

STRUCTURE OF AGRICULTURAL INDUSTRIES

TABLE 12 — AGRICULTURAL ESTABLISHMENTS (a): VALUE OF

Estimated value of operations (\$)	ANZSIC class						Pigs
	Grain	Grain-sheep/ grain-beef cattle	Sheep and beef cattle	Sheep	Beef cattle	Dairy cattle	
1-19,999	114	83	10	34	677	5	6
20,000-29,999	110	116	28	48	834	21	11
30,000-39,999	123	153	42	57	748	54	17
40,000-49,999	111	146	35	42	588	42	21
50,000-59,999	94	115	39	66	466	63	12
60,000-74,999	147	164	64	61	523	147	23
75,000-99,999	161	187	99	103	706	268	44
100,000-149,999	213	223	197	177	865	539	69
150,000-199,999	125	178	165	103	559	365	65
200,000-299,999	102	160	221	97	692	239	66
300,000-499,999	64	113	152	61	569	83	67
500,000 and over	33	44	65	23	446	14	62
Queensland	1,397	1,682	1,117	872	7,673	1,840	463

(a) Excluding establishments whose predominant activity was not agricultural. An establishment covers all operations carried out by one enterprise at a single physical location.

TABLE 13 — AGRICULTURAL ESTABLISHMENTS (a): SELECTED

Statistical division	ANZSIC class						Pigs
	Grain	Grain-sheep/ grain-beef cattle	Sheep and beef cattle	Sheep	Beef cattle	Dairy cattle	
Moreton and Brisbane	29	48	—	—	842	590	47
Wide Bay-Burnett	228	152	—	—	1,491	372	174
Darling Downs	865	1,035	270	241	1,492	583	181
South West	30	162	435	349	540	—	2
Fitzroy	149	225	3	1	1,582	51	35
Central West	—	—	308	236	139	2	—
Mackay	27	54	—	—	472	33	3
Northern	7	—	—	—	410	1	9
Far North	62	6	—	—	363	208	12
North West	—	—	101	45	342	—	—
Queensland	1,397	1,682	1,117	872	7,673	1,840	463

(a) Excluding establishments whose predominant activity was not agricultural and those whose estimated value of agricultural operations was nil. An establishment covers all

OPERATIONS BY SELECTED ANZSIC CLASS, QUEENSLAND, 1992-93

<i>ANZSIC class</i>								
<i>Poultry</i>	<i>Other livestock</i>	<i>Fruit (including grapes)</i>	<i>Vegetables</i>	<i>Sugar cane</i>	<i>Cotton</i>	<i>Nurseries, flowers and seed</i>	<i>Other crops</i>	<i>Total</i>
3	57	171	58	29	—	28	17	1,292
3	82	165	73	54	1	28	20	1,594
2	80	156	68	82	1	76	27	1,686
1	61	115	61	165	—	32	19	1,439
5	30	102	52	163	3	11	22	1,243
7	37	117	74	312	5	95	33	1,809
12	37	169	114	701	8	43	49	2,701
43	25	236	152	1,089	22	92	103	4,045
38	14	138	121	657	28	53	77	2,686
41	15	185	161	658	57	47	67	2,808
31	10	151	145	391	67	48	20	1,972
40	10	197	179	154	179	41	11	1,498
226	458	1,902	1,258	4,455	371	594	465	24,773

ANZSIC CLASS IN STATISTICAL DIVISIONS, QUEENSLAND, 1992-93

<i>ANZSIC class</i>								
<i>Poultry</i>	<i>Other livestock</i>	<i>Fruit (including grapes)</i>	<i>Vegetables</i>	<i>Sugar cane</i>	<i>Cotton</i>	<i>Nurseries, flowers and seed</i>	<i>Other crops</i>	<i>Total</i>
136	181	623	548	174	1	382	95	3,696
4	75	313	257	831	4	54	30	3,985
48	131	243	190	—	245	45	37	5,606
1	17	4	1	—	39	4	1	1,585
16	24	149	39	—	80	13	34	2,401
—	1	—	—	—	—	1	—	687
3	6	18	5	1,244	2	11	2	1,880
8	6	121	137	1,121	—	12	4	1,836
9	17	431	81	1,085	—	72	261	2,607
1	—	—	—	—	—	—	1	490
226	458	1,902	1,258	4,455	371	594	465	24,773

operations carried out by one enterprise at a single physical location.

METEOROLOGY

TABLE 14 — TEMPERATURES AT SELECTED STATIONS, QUEENSLAND
(Source: Bureau of Meteorology, Brisbane)
(degrees C)

Locality	1992								1993			
	May		July		September		November		January		March	
	Max. mean	Min. mean	Max. mean	Min. mean	Max. mean	Min. mean	Max. mean	Min. mean	Max. mean	Min. mean	Max. mean	Min. mean
Coastal												
Brisbane Airport	22.5	14.4	20.8	8.9	24.0	11.2	27.6	17.4	29.3	21.2	27.8	18.6
Rockhampton	25.4	16.4	23.4	9.9	27.8	14.3	32.7	19.5	31.1	21.9	32.6	20.5
Townsville	28.5	20.2	25.3	13.2	29.0	20.7	31.1	22.6	30.4	24.0	32.0	23.0
Cairns	28.1	20.9	25.7	17.0	29.2	20.9	31.0	22.3	30.1	23.4	32.4	22.7
Subcoastal												
Stanthorpe	17.9	7.8	15.8	0.0	18.5	4.7	24.6	11.0	29.5	16.4	25.2	13.1
Kingaroy	20.5	10.8	19.5	4.4	22.9	8.0	28.0	14.4	29.9	17.8	28.1	15.2
Gayndah	24.1	12.7	22.5	6.7	26.1	11.1	31.4	17.2	32.1	20.1	31.1	17.8
Emerald	25.9	15.3	(a) 23.9	(a) 10.6	28.6	13.5	34.7	19.5	33.2	21.9	34.1	20.4
Mareeba	27.2	17.2	24.0	13.5	30.3	17.1	33.4	18.5	29.8	20.3	31.4	18.8
Western												
Charleville	23.2	10.8	20.5	3.9	24.7	9.5	31.2	16.9	36.1	23.9	32.6	19.1
Longreach	26.7	14.4	24.2	6.5	29.1	12.4	35.7	18.4	37.2	23.8	36.4	21.0
Hughenden	28.7	16.8	25.3	9.9	32.7	16.6	36.6	20.0	34.2	23.5	35.5	20.5

(a) These are June temperatures. July temperatures not available.

TABLE 15 — RAINFALL AT SELECTED STATIONS, QUEENSLAND
(Source: Bureau of Meteorology, Brisbane)
(millimetres)

Locality	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	Long-term average (a)
Coastal												
Brisbane Airport	1,473	1,040	1,141	740	1,149	1,355	1,259	1,368	793	1,274	726	1,208
Bundaberg	1,651	981	968	1,053	992	1,235	1,286	700	670	1,510	743	1,143
Gladstone	1,442	544	783	1,040	698	1,084	1,082	983	838	1,135	689	923
Rockhampton	1,062	698	799	782	609	1,002	1,110	1,402	797	490	590	854
Mackay	1,382	821	1,625	1,585	795	2,466	1,899	2,541	2,287	1,044	1,347	1,641
Townsville	782	961	630	624	768	812	1,123	1,670	1,530	598	496	1,153
Cardwell	2,012	1,985	1,448	1,378	1,594	2,051	2,330	1,945	2,723	1,801	1,433	2,128
Cairns	1,822	1,752	2,490	1,578	1,993	1,603	2,484	1,841	(b) 2,035	(b) 1,538	(b) 1,574	2,027
Thursday Island	1,792	2,142	1,811	1,700	1,848	2,091	1,964	1,455	1,721	1,653	1,514	1,747
Normanton	491	799	799	681	775	603	855	514	1,494	565	858	914
Subcoastal												
Warwick	1,017	658	583	604	673	967	794	558	567	753	459	718
Toowoomba	1,357	1,004	913	811	749	1,391	1,100	788	672	724	476	970
Kingaroy	1,090	919	669	757	751	837	913	754	714	818	647	785
Gayndah	887	796	688	622	626	663	838	685	603	877	669	777
Emerald	965	732	530	657	555	717	860	745	510	(c) 448	(c) 425	643
Charters Towers	690	519	642	376	597	584	960	844	782	433	263	661
Atherton	940	799	1,186	1,190	1,385	1,084	1,576	1,622	1,397	n.a.	858	1,379
Coen	816	1,525	1,296	1,014	986	1,215	1,123	1,026	1,237	1,447	(d) 1,135	1,181
Western												
Cunnamulla	571	453	368	265	412	443	503	740	429	413	326	372
Charleville	740	443	420	485	615	372	512	502	266	290	383	499
Blackall	746	643	357	380	536	370	697	741	389	405	457	527
Longreach	381	379	271	421	305	246	679	647	445	292	335	458
Boulia	211	343	177	160	222	143	130	161	430	359	238	262
Winton	189	555	378	369	310	309	598	452	497	338	356	411
Hughenden	434	985	499	326	402	233	566	530	597	409	425	489
Mount Isa	474	575	245	262	347	243	274	261	545	421	431	412
Georgetown	832	939	460	613	686	692	814	476	1,242	589	656	826

(a) Averages of all years of record held to 1990. (b) Cairns Airport. (c) Emerald Airport. (d) Coen Airport.

EXPLANATORY NOTES

Scope and coverage

Statistics in this publication are derived from the annual agricultural census, conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.

2. The ABS excludes from the agricultural census those establishments which make only a small contribution to overall agricultural production. From 1991-92 the census includes only establishments which were expected to have an estimated value of agricultural operations (EVAO) of \$22,500 or more. From 1986-87 to 1990-91 the agricultural census included only establishments which had an (EVAO) of \$20,000 or more.

3. This change in scope means that the current census results are not directly comparable to census results prior to 1991-92. To assist users in making comparisons, selected data from the 1990-91 census have been tabulated on a \$22,500 basis. Where appropriate these have been included in this publication.

Australian Standard Geographical Classification

4. The data are presented according to the *Australian Standard Geographical Classification* (ASGC), Edition 2.2.

5. *Local government areas* (LGAs), as defined under the *Local Government Act 1936*, are spatial units which represent the geographical areas of incorporated local government councils, such as cities (C), towns (T) and shires (S).

6. *Statistical divisions*, which are groupings of whole or part of LGAs, are designed to be relatively homogeneous regions characterised by identifiable social and economic units within the region. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan and Redcliffe, the Shires of Pine Rivers and Redland and parts of the Shires of Albert, Beaudesert, Caboolture and Moreton.

Industry classification

7. For 1992-93, establishments in the agricultural census have been classified to both the *Australian Standard Industrial Classification* (ASIC) and the *Australian and New Zealand Standard Industrial Classification* (ANZSIC). ANZSIC replaces the 1983 edition of ASIC (1201.0), and is to be used for all ABS classified statistics. The Structure of Agricultural Industries section of this publication presents data classified only by ANZSIC.

8. For further details on the ANZSIC, including the detailed classification and its concordances with ASIC, see the publication *Australian and New Zealand Standard Industrial Classification (ANZSIC)* (1292.0).

Related publications

9. A list of agricultural publications containing Queensland data is provided inside the front cover of this publication.

10. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (1101.0). On Tuesdays and Fridays the ABS issues the *Publications Advice* (1105.0) which lists publications to be released in the next few days. Both the *Catalogue* and the *Publications Advice* are available from any ABS office.

Unpublished statistics

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

12. Small area data are provided through AgStats. This is available on floppy disk and microfiche. For users who do not wish to purchase AgStats the ABS can provide information through special data services.

13. Since 1989-90, data at the LGA level have been excluded from this publication. Summary data at the LGA level have now been included in the publication *Agricultural Statistics - Selected Small Area Data* (7120.3).

14. Information is also stored as computer records which can be interrogated to produce specific reports. These can be provided to users as microfiche, photocopy, computer printout or clerically extracted tabulation. A charge will be made for providing unpublished statistics.

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