

CHAPTER 4 – Agricultural profile of Brisbane City

Introduction

The following agricultural profile includes information on the agricultural commodities produced in Brisbane City (pastures and grasses, crops, livestock, and livestock products) and information on agricultural practices (cultivation techniques, fertiliser use, and soil conditioner use); as no stubble treatment took place in Brisbane City in 2000-01 no information has been included on stubble treatment in this section of the report.

An estimate of the number of agricultural holdings in Brisbane City at June 2001 was 189. This estimate was derived from the Agricultural Census 2000-01.

Commodities

Pastures and grasses

Native or naturalised pastures represented 82% of the pastures in Brisbane City in 2000-01, sown pastures represented 16.4% and pastures cut for hay represented 1.5%. Pastures and grasses in Brisbane City represented only a very small percentage of the total agricultural holdings for the South East Queensland NRM region.

Table 4.1: Volume and value of pastures and grasses, Brisbane City, 2000-01

Pastures and grasses	Volume		Area		Value		Production of commodity as a percentage of Queensland total		
	t '000	ha '000	% of total ag. holdings in region	\$ '000	% of total ag. value in region	Vol	Area	Value	
Pastures cut for hay	0.2	0.02	0%	24	0%	0%	0%	0%	
Sown pastures	N/A	0.16	0.01%	N/A	N/A	N/A	0%	N/A	
Native or naturalised pasture	N/A	0.81	0.05%	N/A	N/A	N/A	0%	N/A	

N/A – Not Applicable

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Crops

There were only three crops produced in Brisbane City in 2000-01, crops for hay, fruit and nuts and vegetables. Of these vegetable crops (\$8.4m) produced the highest value of production and fruit and nut crops (\$2.9m) produced the second highest value of production. The value of vegetable crops produced in Brisbane City in 2000-01 represented 1% of the total value of vegetable crops in Queensland.

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Table 4.2: Volume and value of crops, Brisbane City, 2000-01

Crops	Volume		Area		Value		Production of commodity as a percentage of Queensland total		
	t '000	ha '000	% of total ag. holdings in region	\$ '000	% of total ag. value in region	Vol	Area	Value	
Crops for hay	0.014	0.005	0%	N/A	N/A	0.01%	0.01%	N/A	
Fruit and nuts	N/A	0.3	0%	2,901	0.3%	N/A	1%	0%	
Vegetables	N/A	0.3	0%	8,443	1%	N/A	1%	1%	
Total	0								

N/A – Not Applicable

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Livestock

The highest value of production for slaughtered livestock in Brisbane City in 2000-01 was for poultry (\$3.1m), followed by cattle and calves (\$0.9m). The value of slaughtered poultry in Brisbane City in 2000-01 represented 2% of the total value of slaughtered poultry in Queensland.

Table 4.3: Volume and value of livestock, Brisbane City, 2000-01

Livestock	Number		Value		Production of commodity as a percentage of Queensland total	
	No. of stock '000	\$ '000	% of total ag. value in region	No.	Value	
Cattle & calves	1 ^a	975 ^b	0%	0%	0%	
Sheep & lambs	0.1	ND	0%	0%	0%	
Pigs	ND	446 ^b	0%	0%	0%	
Poultry	175	3,192 ^b	0.3%	2%	2%	

ND – No data or insufficient data.

(a) The number of stock for cattle and calves includes the number of meat cattle and dairy cattle combined.

(b) These values represent the value of all slaughtered animals not the value of total livestock.

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Livestock products

The highest value of production from livestock products in Brisbane City in 2000-01 came from egg production (\$0.8m); the second highest value of production came from cow's milk production (\$0.2m). Egg production in Brisbane City represented 1% of the total Queensland egg production in 2000-01.

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Table 4.4: Volume and value of livestock products, Brisbane City, 2000-01

Livestock Products	Volume		Value		Production of commodity as a percentage of Queensland total	
	Vol '000	\$ '000	% of total ag. value in region	Vol	Value	
Wool (t)	0.0	2	0%	0%	0%	
Cow milk production (L)	721	235	0%	0%	0%	
Eggs (dz)	546	830	0.1%	1%	1%	

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Agricultural practices

Cultivation techniques

The total area of land prepared for cropping in Brisbane City was only 3ha; this area represented only 0.01% of the total area of land in the South East Queensland NRM region prepared for cropping in 2000-01. One or two cultivations were used on this area of land.

Table 4.5: Cultivation technique, Brisbane City, 2000-01

Cultivation Technique	Area cultivated		Cultivation technique as a percentage of Queensland total
	ha '000	% of total area cultivated in region	Area
1 or 2 cultivations	0.003	0.01%	0%

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Fertiliser used

The volume of fertiliser used in Brisbane City in 2000-01 represented 1.3% of the total amount of fertiliser used in the South East Queensland NRM region. Urea was the most common fertiliser used in the region in terms of both volume used and area treated.

Totals for hectares treated have not been included in Table 4.6; if more than one fertiliser was used on one hectare that hectare was counted twice in the agricultural census 2000-01, the total for hectares treated would therefore overestimate the number of hectares treated with fertiliser in the region.

Table 4.6: Fertiliser used, Brisbane City, 2000-01

Fertiliser	Quantity used	Area treated	Fertiliser use as a percentage of Queensland total	
	t	ha	Area	Vol
Urea	85	188	0%	0%
Ammonium Sulphate	12	47	0%	0%
Ammonium Nitrate	32	54	0%	1%
Single Superphosphate	8	12	0%	0%
Muriate of Potash	7	70	0%	0%
Potassium Sulphate	45	92	0%	1%
Potassium Nitrate	24	25	0%	1%
Mono Ammonium Phosphate	7	145	0%	0%
Other	284	360	0%	0%
Total	504			0%

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

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Soil conditioner used

Lime to correct acidity accounted for approximately 57.7% of the soil conditioner used in 2000-01 in Brisbane City Council. Dolomite to treat acidity (29.1%) was the second most common soil conditioner used, followed by gypsum to treat physical soil problems (12%) and dolomite to treat physical soil problems (1.3%). Dolomite used to stabilise soil acidity in Brisbane City in 2000-01 represented 1% of all dolomite used to stabilise soil acidity in Queensland.

Table 4.7: Soil conditioner used, Brisbane City, 2000-01

Soil conditioner	Quantity used	Area treated		Soil conditioner use as a percentage of Queensland total	
		t'000	ha'000	% of total ag. holdings in region	Area
Lime - to correct or stabilise soil acidity	0.2	0.1	0.01%	0%	0%
Dolomite - to correct or stabilise soil acidity	0.1	0.1	0%	1%	1%
Dolomite - to correct physical soil problems	0.005	0.01	0%	0%	0%
Gypsum - to correct physical soil problems	0.05	0.03	0%	0%	0%

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Area irrigated

The total area of agricultural holding in Brisbane City in 2001 was 2652 ha; of this area 373 ha was irrigated, this represents less than 1% of the total area of land in the South East Queensland NRM region that was irrigated. However the area irrigated in Brisbane City in 2000-01 represented 14.1% of the total area of agricultural holding in Brisbane City.

Table 4.8: Area irrigated, Brisbane City, 2000-01

	Area		Area irrigated as a percentage of Queensland total
	ha '000	% of total ag. holdings in region	Area
Total area of holding	2.7	0%	0%
Irrigated - total area	0.4	0.8%	0%
Non-irrigated - total area	2.3	0.1%	0%

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Natural resource management profile

Tree seedlings planted

Seedlings planted in Brisbane City in 2000-01 were planted for the following reasons; for nature conservation (3.5%), for timber and wood pulp (1.3%), and for the protection of land and water (95.2%). Tree seedlings planted in Brisbane City during 2000-01 for the protection of land and water represented 5% of the total number of trees planted for this reason across Queensland.

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Table 4.9: Tree seedlings planted, Brisbane City, 2000-01

Purpose of Planting	Number planted		Area planted		Seedlings and trees planted as a percentage of Queensland total	
	No. '000	% of seedlings planted in region in 2000-01	ha	% of total ag. holdings in region	No.	Area
Seedlings planted for nature conservation	0.2	0.1%	13	0%	0%	1%
Seedlings planted for timber and wood pulp	0.1	0.04%	0.07	0%	0%	0%
Seedlings planted for protection of land and water	6	3%	12	0%	5%	2%

Source: ABS data, Agricultural Census, 2000-01 (as reported in QRBIS).

Note:

No information on fencing to exclude grazing has been included in this section of the report as there was no fencing constructed to exclude grazing in the Brisbane City Council local government area in 2000-01.