

CHAPTER 16 – Agricultural profile of Logan City

Introduction

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

An estimate of the number of agricultural holdings in Logan City at June 2001 was 47. This estimate was derived from the Agricultural Census 2000-01.

Commodities

Pastures and grasses

The majority of pastures and grasses in Logan City in 2000-01 were native or naturalised pastures (99.4%); sown pastures represented only a fraction of the total area of pastures and grasses (0.6%). Native or naturalised pasture in Logan City in 2000-01 represented only 0.01% of the total area of agricultural holding in the South East Queensland NRM region.

Table 16.1: Volume and value of pastures and grasses, Logan 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	
Sown pastures	N/A	0.001	0%	N/A	N/A	N/A	0%	N/A	
Native or naturalised pasture	N/A	0.157	0.01%	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

Only three main crops were grown in Logan City in 2000-01, crops for hay, fruit and nuts, and vegetables. The highest value of production in Logan City in 2000-01 was produced by fruit and nuts (\$2.2m), followed by vegetables (\$1.1m). The value of crops in Logan City in 2000-01 did not represent a significant percentage of the total agricultural value of the South East Queensland NRM region.

Regional Agricultural Profile – South East Queensland NRM Region

Table 16.2: Volume and value of crops, Logan 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	0.02	0.008	0%	N/A	N/A	0%	0%	N/A	
Fruit and nuts	N/A	0.26	0%	2,208	0%	N/A	0%	0%	
Vegetables	N/A	0.04	0%	1,145	0%	N/A	0%	0%	
Total	0.02	0		3,353					

N/A – Not Applicable

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

Livestock

The livestock commodity that produced the highest value of production in Logan City was meat poultry (\$13.4m), followed by cattle and calves (\$0.05m). The number of meat poultry produced in Logan City in 2000-01 represented a significant 13% of the total number of meat poultry produced across Queensland.

Table 16.3: Volume and value of livestock, Logan 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	0.2	59 ^b	0%	0%	0%	
Pigs	0.004	2 ^b	0%	0%	0%	
Poultry	1,344	13,442 ^b	1.5%	13%	8.4%	

(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

Cows' milk was the only significant livestock product produced in Logan City in 2000-01, with a value of production of \$72,000. Cows' milk produced in Logan City in 2000-01 does not represent a significant percentage of the total cows' milk produced across Queensland.

Table 16.4: Volume and value of livestock products, Logan 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	
Cow milk production (L)	11	72	0.01%	0%	0.03%	

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

Agricultural practices

Fertiliser used

The volume of fertiliser used in Logan City in 2000-01 represented less than 1% of the total amount of fertiliser used in the South East Queensland NRM region. Potassium nitrate 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 16.5; 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 16.5: Fertiliser used, Logan City, 2000-01

Fertiliser	Quantity used		Area treated		Fertiliser use as a percentage of Queensland total	
	t	ha	Area	Vol		
Urea	8.53	15.33	0%	0%		
Ammonium Sulphate	6.39	11.01	0%	0%		
Ammonium Nitrate	7.07	12.24	0%	0%		
Single Superphosphate	1.00	3.78	0%	0%		
Muriate of Potash	4.00	5.00	0%	0%		
Potassium Sulphate	6.63	8.43	0%	0%		
Potassium Nitrate	13.58	15.59	0%	0%		
Mono Ammonium Phosphate	0.0	2.57	0%	0%		
Other	49.79	49.03	0%	0%		
Total	85.67					0%

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

Soil conditioner used

The majority of soil conditioner used in Logan City in 2000-01 was to correct or stabilise soil acidity (72.9%). Dolomite was the most common soil conditioner used to stabilise acidity (66.1%). Dolomite (13.6%) and gypsum (13.6%) were used equally in Logan City to treat physical soil problems. Soil conditioner used in Logan City did not represent a significant percentage of the total soil conditioner used in the state reflecting the small amount of cropping that takes place in Logan City.

Table 16.6: Soil conditioner used, Logan 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	Vol	
Lime - to correct or stabilise soil acidity	0.004	0.001	0%	0%	0.01%	
Dolomite - to correct or stabilise soil acidity	0.039	0.024	0%	0.32%	0.27%	
Dolomite - to correct physical soil problems	0.008	0.001	0%	0.03%	0.10%	
Gypsum - to correct physical soil problems	0.008	0.004	0%	0.01%	0.01%	

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

Regional Agricultural Profile – South East Queensland NRM Region

Area irrigated

The total area of agricultural holding for Logan City in 2000-01 was 1130ha; of this area 89ha of land was irrigated, this represents less than 1% of the total area of land irrigated in the South East Queensland NRM region. The area of land irrigated in Logan City in 2000-01 represented less than 1% of the total area of land irrigated in Queensland.

Table 16.7: Area irrigated, Logan 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	1.130	0.07%	0%
Irrigated - total area	0.089	0.19%	0%
Non-irrigated - total area	1.04	0.06%	0%

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

Natural resource management profile

Fencing to exclude grazing

Reasons for the construction of fencing to exclude grazing in Logan City in 2000-01 included the protection of planted trees and shrubs (14.3%) and the protection of other undefined areas (85.7%). Fencing constructed to exclude grazing in 2000-01 in Logan City accounted for only 1% of total fencing constructed to exclude grazing in the South East Queensland NRM region.

Table 16.8: Fencing to exclude grazing, Logan City, 2000-01

Reason	Length		Fencing to exclude grazing as a percentage of Queensland total
	km	% of total length of fencing constructed in region in 2000-01	Length
To protect planted trees and shrubs	1	0%	0%
To protect other areas	6	1%	0%
Total fencing for all reasons	7	1%	

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

Tree seedlings planted

Tree seedlings planted in Logan City in 2000-01 were planted for nature conservation (32.4%), for the protection of land and water (24.3%), for timber and wood pulp (3.3%), and for all other reasons (40%). The total number of seedlings planted in Logan City in 2000-01 represented 3.1% of the total number of seedlings planted in the South East Queensland NRM region in 2000-01.

Regional Agricultural Profile – South East Queensland NRM Region

Table 16.9: Tree seedlings planted, Logan 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	2.4	1%	1	0%	1%	0%
Seedlings planted for timber and wood pulp	0.2	0.1%	0.09	0%	0%	0%
Seedlings planted for protection of land and water	1.8	1%	1	0%	1%	0%
Seedlings planted for all other purposes	3.0	1%	8	0%	2%	3%

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