

CHAPTER 21 – Agricultural profile of Redlands Shire

Introduction

The following agricultural profile includes information on the agricultural commodities produced in the Redlands Shire (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 the shire 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 the Redlands Shire at June 2001 was 98. This estimate was derived from the Agricultural Census 2000-01.

Commodities

Pastures and grasses

Native or naturalised pastures represented 93.4% of the pastures in the Redlands Shire in 2000-01, sown pastures represented 5.7% and pastures cut for hay represented 0.9%. Pastures and grasses in the Redlands Shire represented only a very small percentage of the total agricultural holdings for the South East Queensland NRM region.

Table 21.1: Volume and value of pastures and grasses, Redlands Shire, 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	0.02	0.01	0%	3	0%	0%	0%	0%	
Sown pastures	N/A	0.04	0%	N/A	N/A	N/A	0%	N/A	
Native or naturalised pasture	N/A	1	0%	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

The two main crops produced in the Redlands Shire in 2000-01 were fruit and nuts and vegetables. Vegetables produced the highest value of production (\$5m) while fruit and nuts produced the second highest value of production (\$1.7m). The value of production for vegetable crops produced in the Redlands Shire in 2000-01 represented 0.5% of the total agricultural value for the South East Queensland NRM region.

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Table 21.2: Volume and value of crops, Redlands Shire, 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	
Fruit and nuts	N/A	0.23	0%	1,766	0%	N/A	0%	0%	
Vegetables	N/A	0.20	0%	5,002	0.5%	N/A	0.5%	0.8%	
Total	-	0.43		6,768					

N/A – Not Applicable

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

Livestock

The highest value of production for livestock in the Redlands Shire in 2000-01 was from meat poultry (\$34m), with the second highest value of production produced by cattle and calves (\$0.24m). The value of meat poultry in the Redlands Shire represented a significant 21.4% of the total value of production for meat poultry in Queensland. The value of production for meat poultry in the Redlands Shire in 2000-01 represented 3.8% of the total value of agricultural production in the South East Queensland NRM region.

Table 21.3: Volume and value of livestock, Redlands Shire, 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	241 ^b	0%	0%	0%	
Sheep & lambs	0	1 ^b	0%	0%	0%	
Poultry	2,189	34,277 ^b	3.8%	21%	21.4%	

(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

Eggs were the main livestock product produced in the Redlands Shire in 2000-01, with a value of production of \$1.5m. Cows' milk produced in the Redlands Shire in 2000-01 produced the second highest value of production (\$0.2m). The value of production for eggs in the Redlands Shire in 2000-01 represented 2.5% of the total value of production for eggs in Queensland.

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Table 21.4: Volume and value of livestock products, Redlands Shire, 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)	0.0004	5	0%	0%	0%	
Cow milk production (L)	ND	19	0%	0%	0.01%	
Eggs (dz)	972	1,478	0.16%	2.5%	2.5%	

ND – No data of insufficient data.

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

Agricultural practices

Cultivation techniques

In total 19ha of land in the Redlands Shire in 2000-01 was prepared for cropping. Undefined cultivation techniques were used. The total area of land prepared for cropping in the Redlands Shire in 2000-01 represented only 0.1% of the total area of land prepared for cropping in the South East Queensland NRM region.

Table 21.5: Cultivation technique, Redlands Shire, 2000-01

Cultivation Technique	Area cultivated		Cultivation technique as a percentage of Queensland total
	ha '000	% of total area cultivated in region	Area
Other cultivation technique	0.02	0.1%	0%

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

Fertiliser used

The volume of fertiliser used in the Redlands in 2000-01 represented less than 1% of the total amount of fertiliser used in the South East Queensland NRM region. Muriate of Potash was the most common fertiliser used in the region in terms volume used and urea was the most common fertiliser used in terms of area treated.

Totals for hectares treated have not been included in Table 21.6; 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.

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Table 21.6: Fertiliser used, Redlands Shire, 2000-01

Fertiliser	Quantity used		Fertiliser use as a percentage of Queensland total	
	t	ha	Area	Vol
Urea	36	158	0%	0%
Ammonium Nitrate	10	92	1%	0%
Anhydrous Ammonia	1	0	0%	0%
Single Superphosphate	12	71	0%	0%
Double Superphosphate	1	2	0%	0%
Triple Superphosphate	33	34	0%	2%
Muriate of Potash	37	64	0%	0%
Potassium Sulphate	15	37	0%	0%
Potassium Nitrate	14	27	0%	0%
Mono Ammonium Phosphate	1	6	0%	0%
Other	256	393	0%	0%
Total	352			0%

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

Soil conditioner used

The majority of soil conditioner used in the Redlands Shire in 2000-01 was to correct physical soil problems (56.1%). Dolomite (30.7%) was the most common soil conditioner used to correct physical soil problems. Dolomite (31.1%) was the main soil conditioner used to treat soil acidity. The volume of dolomite used in the Redlands Shire in 2000-01 for both physical soil problems and acidity represented 1% of the total amount of dolomite used in Queensland.

Table 21.7: Soil conditioner used, Redlands Shire, 2000-01

Soil conditioner	Quantity used		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	0.04	0.02	0%	0.1%	0%
Dolomite - to correct or stabilise soil acidity	0.09	0.1	0%	1%	1%
Dolomite - to correct physical soil problems	0.09	0.04	0%	1%	1%
Gypsum - to correct physical soil problems	0.07	0.03	0%	0%	0%

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

Area irrigated

The total area of agricultural holding for the Redlands Shire in 2000-01 was 2,997ha; of this area 462ha of land was irrigated; this represents 1% of the total area of land irrigated in the South East Queensland NRM region. However the area of land irrigated represents a significant percentage (15.7%) of the total area of agricultural holding in the shire and reflects the fact that the main crops in the Redlands Shire in 2000-01 were vegetables and fruit and nuts. The area of land irrigated in the Redlands Shire in 2000-01 represented less than 1% of the total area of land irrigated in Queensland.

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Table 21.8: Area irrigated, Redlands Shire, 2000-01

	Area		Area irrigated as a percentage of Queensland total
	ha '000	% of total ag. holdings in region	Area
Total area of holding	3.0	0%	0%
Irrigated - total area	0.5	1.0%	0%
Non-irrigated - total area	2.5	0.2%	0%

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

Natural resource management profile

Fencing to exclude grazing

The only reason for the construction of fencing to exclude grazing in the Redlands Shire in 2000-01 was for the protection of creeks and rivers. Fencing constructed to exclude grazing in 2000-01 in the Redlands Shire did not account for a significant percentage of total fencing constructed to exclude grazing in the South East Queensland NRM region.

Table 21.9: Fencing to exclude grazing, Redlands Shire, 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 creeks and rivers	4	0%	0%
Total fencing for all reasons	4	0%	

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

Tree seedlings planted

Tree seedlings planted in the Redlands Shire in 2000-01 were planted for undefined reasons. The total number of seedlings planted in the Redlands Shire in 2000-01 represented only a small number of seedlings (1%) planted in the South East Queensland NRM region in 2000-01.

Table 21.10: Tree seedlings planted, Redlands Shire, 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 all other purposes	3	1%	12	0%	2%	5%

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