CHAPTER 5 – Agricultural profile of Caboolture Shire

Introduction

The following agricultural profile includes information on the agricultural commodities produced in the portion of the Caboolture Shire that sits within the South East Queensland NRM region (pastures and grasses, crops, livestock, and livestock products) and information on agricultural practices (cultivation techniques, treatment of stubble, fertiliser use, and soil conditioner use).

An estimate of the number of agricultural holdings in the Caboolture Shire at June 2001 was 371. This estimate was derived from the Agricultural Census 2000-01.

Commodities

Pastures and grasses

Native or naturalised pastures represented 89.9% of the pastures in the Caboolture Shire in 2000-01, sown pastures represented 9.9% and pastures cut for hay represented 0.2%. Pastures and grasses in the Caboolture Shire represented only a very small percentage of the total agricultural holdings for the South East Queensland NRM region.

Table 5.1: Volume and value of pastures and grasses, Caboolture 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	0.08	0.01	0%	16	0%	0%	0%	0%
Sown pastures	N/A	1	0.05%	N/A	N/A	N/A	0%	N/A
Native or naturalised pasture	N/A	8	0.46%	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

Fruit and nuts produced the highest value of production ($32m) in the Caboolture Shire in 2000-01 while vegetables produced the second highest value of production ($7.6m). The value of production for fruit and nut crops produced in the Caboolture Shire in 2000-01 represented 3% of the total agricultural value for the South East Queensland NRM region and 4% of the total value of fruit and nut crops in Queensland.

Table 5.2: Volume and value of crops, Caboolture 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
Cereals for grain	0.49	0.15	0%	89	0%	0%	0%	0%
Crops for hay	0.44	0.023	0%	N/A	N/A	0%	0%	N/A
Peanuts	0	0.0	0%	116	0%	0%	0%	0%
Sugar Cane	1	0	0%	27	0%	0%	0%	0%
Fruit and nuts	N/A	2.06	0.1%	31,729	3%	N/A	4%	4%
Vegetables	N/A	0.46	0%	7,696	1%	N/A	1%	1%
Total	2.28	2.75		39,657				

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 Caboolture Shire in 2000-01 was from meat poultry ($9.9m), with the second highest value of production produced by cattle and calves ($4.9m). The value of meat poultry in the Caboolture Shire represented 6.2% of the total value of production for meat poultry in Queensland. The value of production for meat poultry in the Caboolture Shire in 2000-01 represented 1.1% of the total value of agricultural production the South East Queensland NRM region.

Table 5.3: Volume and value of livestock, Caboolture 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	25[a]	4,976[b]	0.5%	0.2%	0.2%
Sheep & lambs	0.1	0.2	0%	0%	0%
Pigs	3.01	1,117[b]	0.1%	0.5%	0.6%
Poultry	473	9,911[b]	1.1%	5%	6.2%

(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

Cow's milk production ($4.4m) produced the highest value of production in the Caboolture Shire in 2000-01, with eggs ($1.3) producing the second highest value of production. The value of production for cow's milk in the Caboolture Shire in 2000-01 represented 1.9% of the total value of production for cow's milk in Queensland, while the value of production for eggs in the Caboolture shire represented 2.3% of the total value of production for eggs in Queensland.

Table 5.4: Volume and value of livestock products, Caboolture 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)	0.0	2	0%	0%	0%
Cow milk production (L)	12,760	4,432	0.5%	1.5%	1.9%
Eggs (dz)	883	1,342	0.15%	2.3%	2.3%

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

Agricultural practices

Cultivation techniques

In total 186ha of land in the Caboolture Shire in 2000-01 was prepared for cropping. One to two cultivations (66.7%) was the most common method of preparing land for cropping, other cultivation techniques (22.6%) were the second most common technique, while no cultivation (10.8%) was the least common technique used. The total area of land prepared for cropping in the Caboolture Shire in 2000-01 represented only 0.6% of the total area of land prepared for cropping in the South East Queensland NRM region.

Table 5.5: Cultivation technique, Caboolture Shire, 2000-01

Cultivation Technique	Area cultivated		Cultivation technique as a percentage of Queensland total
	ha '000	% of total area cultivated in region	Area
No cultivation	0.02	0.1%	0%
1 or 2 cultivations	0.1	0.4%	0%
Other cultivation technique	0.0	0.1%	0%

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

Treatment of stubble

The only method used to treat crop stubble in the Caboolture Shire in 2000-01 was ploughing the stubble into the soil. The area of stubble treated in the Caboolture Shire in 2000-01 represented only 0.4% of stubble treatment in the South East Queensland NRM region.

Table 5.6: Treatment of stubble, Caboolture Shire, 2000-01

Treatment	Area treated		Stubble treatment as a percentage of Queensland total
	ha '000	% of total area treated in region	Area
Stubble ploughed into soil	0.1	0.4%	0%

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

Fertiliser used

The volume of fertiliser used in the Caboolture Shire in 2000-01 represented 9.8% 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 5.7; 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 5.7: Fertiliser used, Caboolture Shire, 2000-01

Fertiliser	Quantity used	Area treated	Fertiliser use as a percentage of Queensland total	
	t	ha	Area	Vol
Urea	1168	2480	0%	1%
Ammonium Sulphate	23	132	0%	0%
Ammonium Nitrate	84	178	1%	2%
Single Superphosphate	66	365	0%	0%
Double Superphosphate	68	113	1%	4%
Muriate of Potash	186	605	0%	1%
Potassium Sulphate	893	1390	5%	12%
Potassium Nitrate	79	250	1%	2%
Mono Ammonium Phosphate	26	121	0%	0%
Di Ammonium Phosphate	59	260	0%	0%
Other	1011	2563	0%	0%
Total	3667			1%

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

Soil conditioner used

The most common soil conditioner used in the Caboolture Shire in 2000-01 was dolomite to stabilise acidity (53.7%). In total 78.5% of soil conditioner used in the Caboolture Shire in 2000-01 was to treat soil acidity. Gypsum (15.1%) was the most common soil conditioner used to correct physical soil problems. The volume of dolomite used in the Caboolture Shire in 2000-01 to treat acidity represented 5% of the total amount of dolomite used to treat acidity in Queensland.

Table 5.8: Soil conditioner used, Caboolture Shire, 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	0.34	0.25	0.01%	0.8%	0%
Dolomite - to correct or stabilise soil acidity	0.7	0.4	0.02%	5%	5%
Dolomite - to correct physical soil problems	0.1	0.1	0%	2%	1%
Gypsum - to correct physical soil problems	0.2	0.2	0.01%	0%	0%

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

Area irrigated

The total area of agricultural holding for the Caboolture Shire in 2000-01 was 34,793ha; of this area 1,913ha of land was irrigated, this represents 4.1% of the total area of land irrigated in the South East Queensland NRM region. The area of land irrigated in the Caboolture Shire in 2000-01 represented less than 1% of the total area of land irrigated in Queensland.

Table 5.9: Area irrigated, Caboolture 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	35	2%	0%
Irrigated - total area	2	4.1%	0%
Non-irrigated - total area	33	2.0%	0%

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

Natural resource management profile

Fencing to exclude grazing

The reasons for the construction of fencing to exclude grazing in the Caboolture Shire in 2000-01 included; the protection of planted trees and shrubs (12.5%), the protection of creeks and rivers (3.4%), the protection of saline areas (1.1%), and the protection of other undefined areas (84.1%). Fencing constructed to exclude grazing in 2000-01 in the Caboolture Shire accounted for 12% of total fencing constructed to exclude grazing in the South East Queensland NRM region.

Table 5.10: Fencing to exclude grazing, Caboolture 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 planted trees and shrubs	11	1%	3%
To protect creeks and rivers	3	0%	0%
To protect saline areas	1	0%	1%
To protect other areas	74	10%	2%
Total fencing for all reasons	88	12%	

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

Tree seedlings planted

Tree seedlings planted in the Caboolture Shire in 2000-01 were planted for timber and wood pulp (90.8%), for nature conservation (7.2%), to enhance production (0.8%), and for the protection of land and water (1.2%). The total number of seedlings planted in the Caboolture Shire in 2000-01 represented 4% of the seedlings planted in the South East Queensland NRM region in 2000-01.

Table 5.11: Tree seedlings planted, Caboolture 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 nature conservation	1	0%	3	0%	0%	0%
Seedlings planted for timber and wood pulp	9	4%	11	0%	2%	2%
Seedlings planted for enhanced production	0	0%	78	0%	0%	0%
Seedlings planted for protection of land and water	0	0%	1	0%	0%	0%

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