

**CHAPTER 7 – Agricultural profile of Cambooya Shire****Introduction**

The following agricultural profile includes information on the agricultural commodities produced in Cambooya Shire sitting 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). There is only one SLA included in Cambooya Shire: Cambooya Pt B. Only 18% of the Cambooya Pt B SLA is included (See Figure 2 and Table 1.1).

An estimate of the number of agricultural holdings in the Cambooya Shire at June 2001 was 34. This estimate was derived from the Agricultural Census 2000-01.

**Commodities****Pastures and grasses**

Native or naturalised pastures represented 94.7% of the pastures in the Cambooya Shire in 2000-01, sown pastures represented 4.2% and pastures cut for hay represented 1.2%. Pastures and grasses in the Cambooya Shire represented less than 1% of the total agricultural holdings for the South East Queensland NRM region.

**Table 7.1: Volume and value of pastures and grasses, Cambooya 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          | 0.14   | 0.055   | 0%                                | 26      | 0%                             | 0%  | 0%  | 0%    |  |
| Sown pastures                 | N/A    | 0.193   | 0.01%                             | N/A     | N/A                            | N/A | 0%  | N/A   |  |
| Native or naturalised pasture | N/A    | 4       | 0.26%                             | 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**

Vegetable crops (\$0.6m) produced the highest value of production for crops in 2000-01 in the Cambooya Shire. The second highest value of production was produced by cereals for grain (\$0.4m). Cereals for grain and vegetable crops produced in the Cambooya Shire in 2000-01 did not represent a significant percentage of total agricultural value for the South East Queensland NRM region.

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**Table 7.2: Volume and value of crops, Cambooya 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                 | 2.32   | 1.35    | 0.1%                              | 383             | 0%                             | 0%  | 0%  | 0%    |  |
| Cotton-Irrigated <sup>a</sup>     | 0.05   | 0.01    | 0%                                | 37 <sup>b</sup> | 0%                             | 0%  | 0%  | 0%    |  |
| Cotton-Non-Irrigated <sup>a</sup> | 0.02   | 0.01    | 0%                                | N/A             | N/A                            | 0%  | 0%  | N/A   |  |
| Crops for hay                     | 0.63   | 0.229   | 0%                                | N/A             | N/A                            | 0%  | 0%  | N/A   |  |
| Soybeans                          | 0.02   | 0.02    | 0%                                | 10              | 0%                             | 0%  | 0%  | 0%    |  |
| Fruit and nuts                    | N/A    | 0.001   | 0%                                | 0.5             | 0%                             | N/A | 0%  | 0%    |  |
| Vegetables                        | N/A    | 0.05    | 0%                                | 593             | 0%                             | N/A | 0%  | 0%    |  |
| Total                             | 3.04   | 1.67    |                                   | 1,023           |                                |     |   |       |  |

N/A – Not Applicable

(a) These values for irrigated and non-irrigated cotton represent lint and seed values combined.

(b) This value represents the value of both irrigated and non-irrigated cotton.

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

### Livestock

The highest value of production for livestock in the Cambooya Shire in 2000-01, and the highest value of production for all agricultural commodities in the Shire, was produced from cattle and calves (\$0.8m). The value of production for cattle and calves in the Cambooya Shire in 2000-01 represented 0.1% of the total value of production for the whole of the South East Queensland NRM region.

**Table 7.3: Volume and value of livestock, Cambooya 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 | 2 <sup>a</sup>    | 833 <sup>b</sup>  | 0.1%                           | 0 %  | 0%  |  |
| Sheep & lambs   | 0                 | 1 <sup>b</sup>    | 0%                             | 0%   | 0%  |  |
| Pigs            | 0.49              | 76 <sup>b</sup>   | 0%                             | 0.1% | 0%  |  |
| Poultry         | ND                | 6.47 <sup>b</sup> | 0%                             | 0%   | 0%  |  |

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).

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### Livestock products

Within the Cambooya Shire in 2000-01 the livestock product producing the highest value of production was cow's milk (\$0.5m); eggs produced (\$0.1m) produced the second highest value of production. Cow's milk production in the Cambooya Shire in 2000-01 represented only 0.5% of the total agricultural value for the South East Queensland NRM region.

**Table 7.4: Volume and value of livestock products, Cambooya 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      | 1       | 0%                             | 0%    | 0%  |  |
| Cow milk production (L) | 1,653    | 480     | 0.05%                          | 0.19% | 0.21%   |  |
| Eggs (dz)               | 74       | 112     | 0.01%                          | 0.19% | 0.19%   |  |

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

### Agricultural practices

#### Cultivation techniques

In total approximately 2165ha of land in the Cambooya Shire in 2000-01 was prepared for cropping, this represents 7.2% of the total area of land prepared for cropping in the South East Queensland NRM region. No cultivation was carried out on 15.5% of this land, 1 or 2 cultivations were carried out on 35.7% of land prepared for cropping, and on 48.8% of the land prepared for cropping other cultivation techniques were used.

**Table 7.5: Cultivation technique, Cambooya 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               | 1%                                   | 0%  |
| 1 or 2 cultivations         | 0.8             | 2.6%                                 | 0%  |
| Other cultivation technique | 1.1             | 3.6%                                 | 0%  |

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

#### Treatment of stubble

The methods used to treat crop stubble in the Cambooya Shire in 2000-01 are outlined below in Table 7.6. The most common treatment of crop stubble in the Shire was ploughing stubble into the soil (43.1%), followed by leaving stubble intact (20.2%), baling or heavy grazing stubble (18.5%), mulching stubble (10.8%), removing by cool burn (1.5%), removing by hot burn (1.1%), and other methods (4.7%). Stubble treatment in the Cambooya Shire in 2000-01 represented 8% of total stubble treatment in the South East Queensland NRM region.

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**Table 7.6: Treatment of stubble, Cambooya 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                 | 0.85         | 3%                                | 0%  |
| Stubble mulched                            | 0.2          | 1%                                | 0%  |
| Stubble left intact                        | 0.4          | 2%                                | 0%  |
| Stubble removed by hot burn                | 0.02         | 0.1%                              | 0%  |
| Stubble removed by cool burn               | 0.03         | 0.1%                              | 0%  |
| Stubble removed by baling or heavy grazing | 0.36         | 1%                                | 0%  |
| All other methods                          | 0.09         | 0.4%                              | 0%  |

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

### Fertiliser used

The volume of fertiliser used in Cambooya Shire in 2000-01 represented less than 1% 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 7.7; 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 7.7: Fertiliser used, Cambooya Shire, 2000-01**

| Fertiliser              | Quantity used | Area treated | Fertiliser use as a percentage of Queensland total |     |
|-------------------------|---------------|--------------|--|-----|
|                         | t             | ha           | Area   | Vol |
| Urea                    | 48            | 275          | 0%   | 0%  |
| Ammonium Sulphate       | 2             | 9            | 0%   | 0%  |
| Ammonium Nitrate        | 4             | 6            | 0%   | 0%  |
| Anhydrous Ammonia       | 7             | 13           | 0%   | 0%  |
| Double Superphosphate   | 8             | 154          | 1%   | 0%  |
| Potassium Sulphate      | 0             | 1            | 0%   | 0%  |
| Potassium Nitrate       | 6             | 15           | 0%   | 0%  |
| Mono Ammonium Phosphate | 3             | 28           | 0%   | 0%  |
| Di Ammonium Phosphate   | 0             | 5            | 0%   | 0%  |
| Other                   | 20            | 130          | 0%   | 0%  |
| Total                   | 92            |              |  | 0%  |

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

### Soil conditioner used

The only soil conditioner used in the Cambooya Shire in 2000-01 was gypsum to correct physical soil problems. Only 4 tonnes of gypsum were used in the Shire and this amount did not represent a significant percentage of the total amount of gypsum used in Queensland.

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**Table 7.8: Soil conditioner used, Cambooya 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   |
| Gypsum - to correct physical soil problems | 0.004         | 0.013  | 0.001%                            | 0.04%  | 0.01% |

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

### Area irrigated

The total area of agricultural holding for the Cambooya Shire in 2000-01 was 9,183ha; of this area 342ha was irrigated, this represents less than 1% of the total area of land irrigated in the South East Queensland NRM region. The total area of agricultural holding in the Cambooya Shire in 2000-01 represented 1% of the total area of agricultural holding for the South East Queensland NRM region. The area irrigated in the Cambooya Shire did not represent a significant percentage of the total area irrigated across Queensland.

**Table 7.9: Area irrigated, Cambooya 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      | 9.2     | 1%                                | 0%   |
| Irrigated - total area     | 0.3     | 0.74%                             | 0%   |
| Non-irrigated - total area | 8.8     | 0.5%                              | 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 the Cambooya Shire in 2000-01 were to protect remnant native vegetation (14.3%), to protect planted trees and shrubs (14.3%), to protect creeks and rivers (14.3%), and to protect other undefined areas (57.1%). Total fencing to exclude grazing in the Cambooya Shire in 2000-01 represented 1% of the total length of fencing constructed to exclude grazing in the South East Queensland NRM region.

**Table 7.10: Fencing to exclude grazing, Cambooya 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 remnant native vegetation | 1      | 0%  | 0%   |
| To protect planted trees and shrubs  | 1      | 0%  | 0%   |
| To protect creeks and rivers         | 1      | 0%  | 0%   |
| To protect other areas               | 4      | 1%  | 0%   |
| Total fencing for all reasons        | 7      | 1%  |  |

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

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### Tree seedlings planted

Tree seedlings planted in the Cambooya Shire in 2000-01 were planted to enhance production (50%), for timber and wood pulp (27.9%), for the protection of land and water (19.4%), for nature conservation (1.5%), and for other undefined purposes (1.2%). The total number of seedlings planted in the Cambooya Shire in 2000-01 represented less than 1% of the seedlings planted in the South East Queensland NRM region in 2000-01.

**Table 7.11: Tree seedlings planted, Cambooya 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          | 0.01           | 0%  | 0.1          | 0%                                | 0%  | 0%   |
| Seedlings planted for timber and wood pulp         | 0.11           | 0%  | 0.1          | 0%                                | 0%  | 0%   |
| Seedlings planted for enhanced production          | 0.20           | 0%  | 201          | 0%                                | 0%  | 0%   |
| Seedlings planted for protection of land and water | 0.08           | 0%  | 1            | 0%                                | 0%  | 0%   |
| Seedlings planted for all other purposes           | 0.01           | 0%  | ND           | 0%                                | 0%  | 0%   |

ND – No data or insufficient data

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