



QUEENSLAND

**AGRICULTURAL LAND  
USE AND SELECTED  
INPUTS**

**1986-87**

Catalogue No. 7411.3

AUSTRALIAN BUREAU OF STATISTICS  
QUEENSLAND OFFICE

# AGRICULTURAL LAND USE AND SELECTED INPUTS, QUEENSLAND, 1986-87

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EXPLANATORY NOTESScope and Coverage

Statistics in this publication are derived principally from the annual agricultural census conducted throughout Australia at 31 March, which collects data from establishments with agricultural activity.

2. In general, the 1986-87 season referred to in this publication relates to crops sown and harvested during the 12 months ending 31 March 1987. For summer crops whose main growing time occurs prior to 31 March, with the harvesting period extending beyond this date, however, the total production is included.

3. While the majority of tables relate to the 1986-87 season, there are a few exceptions where 1986-87 figures are not available. In these cases, the latest available statistics are included and tables are noted appropriately.

4. The ABS excludes from the agricultural census those establishments which make only a small contribution to overall agricultural production. From 1986-87 the scope of the census is establishments with agricultural activity if they had, or were expected to have, an estimated value of agricultural operations (EVAO) of \$20,000 or more. The scope of previous census results shown in this publication included establishments if they had, or were expected to have, an EVAO of \$2,500 or more.

5. This change in scope will mean that the current census results are not directly comparable to previous census results. To assist users in making comparisons, selected data from the 1985-86 census have been tabulated on both the \$2,500 and \$20,000 bases. The effects of these changes are shown in the bridging table.

6. Bridging tables can be used to adjust previous census results to approximate those results with the scope of the current census. For example, to adjust 1984-85 census results to the current census scope basis, the following calculation can be made.

$$\begin{aligned}
 & \begin{array}{l} 1984-85 \\ \text{census} \\ (\text{current} \\ \text{scope}) \end{array} = \begin{array}{l} 1984-85 \\ \text{census} \\ (\text{previous} \\ \text{scope}) \end{array} \times \begin{array}{l} \text{percentage comparison} \\ \text{of EVAO cut-offs for} \\ \text{1985-86 census results} \end{array} \\
 & \qquad \qquad \qquad \text{OR} \\
 & \qquad \qquad \qquad = \begin{array}{l} 1984-85 \\ \text{census} \\ (\text{previous} \\ \text{scope}) \end{array} \times \begin{array}{l} 1985-86 \text{ census} \\ \text{(EVAO \$20,000+)} \\ \hline 1985-86 \text{ census} \\ \text{(EVAO \$2,500+)} \end{array}
 \end{aligned}$$

Therefore, the adjustment of the 1984-85 census result for the area of wheat fertilised in Queensland, shown in Table 3 (136,593 hectares) to the scope of the current census using the bridging table is:

## EXPLANATORY NOTES (continued)

1984-85 census = 135,583 x 99.4 per cent  
(current scope)  
Area of wheat  
fertilised

OR

$$= 135,583 \times \frac{138,303}{139,136}$$

$$= 134,771 \text{ hectares of wheat fertilised.}$$

NOTE: Differences may occur between the alternative calculations in the results due to rounding of figures.

Bridging comparisons for all commodities are available to interested users upon request.

7. The information in this publication and in other State and Canberra Office issues of this title is presented in a common framework comprising the following five sections:

- (i) Summary
- (ii) Land Use
- (iii) Selected Inputs: 1. Labour; 2. Fertilisers; 3. Irrigation.
- (iv) Structure of Agricultural Industries
- (v) Meteorology.

#### Australian Standard Geographical Classification

8. The data are presented according to the Australian Standard Geographical Classification (ASGC), Edition 3.

9. The legal local government area structure has been cross-classified with the statistical division level of the main structure. The use of this cross-classification requires the combination of the Brisbane and Moreton Statistical Divisions, as some legal local government areas cross the contiguous boundary of these two statistical divisions.

10. Legal local government areas (LGAs), as defined under the 'Local Government ACT, 1936-1987', are spatial units which represent the geographical areas of incorporated local government councils, such as cities (C), towns (T) and shires (S).

11. Statistical divisions, which are groupings of whole or part of legal LGAs, are designed to be relatively

homogeneous regions characterised by identifiable social and economic units within the region. The Brisbane Statistical Division comprises the Cities of Brisbane, Ipswich, Logan and Redcliffe, the Shire of Redland and parts of the Shires of Albert, Beaudesert, Caboolture, Moreton and Pine Rivers.

#### Related Publications

12. Users may also wish to refer to the following publications which are available on request:

- 'Selected Agricultural Commodities, Preliminary' (7112.3) - Latest issue: 1986-87
- 'Livestock and Livestock Products' (7221.3) - Latest issue: 1986-87 (\$8.00)
- 'Crops and Pastures' (7321.3) - Latest issue: 1986-87 (\$10.50)
- 'Fruit' (7322.3) - Latest issue: 1986-87 (\$5.00)

13. All publications produced by the ABS are listed in the 'Catalogue of Publications' (Catalogue No. 1101.0) and those produced by the Queensland office are listed in 'List of Publications' (Catalogue No. 1101.3). A 'Publications Advice' (Catalogue No. 1105.0) is issued on Tuesdays and Fridays which lists publications to be released in the next few days. These publications are available from any ABS Office.

#### Unpublished Statistics

14. The ABS can also make available certain agricultural statistics which are not published. Where it is not practicable to provide the required statistics by telephone, they may be available in other forms, such as microfiche, photocopy, computer printout or clerically extracted tabulation. A charge may be made for providing unpublished statistics in these forms.

15. For further information on these unpublished statistics contact Rod Scott by telephoning Brisbane (07) 222 6180, or write to Information Services at the address above.

#### Symbols and Other Usages

- n.a. Not available.
- Nil or less than half the final digit shown.

16. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

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29 July 1988

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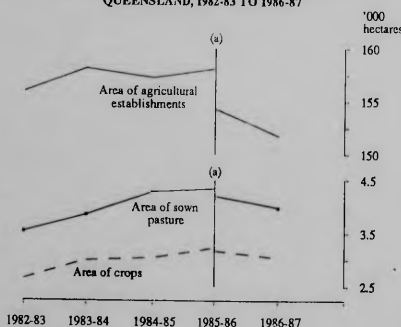
BRIDGING TABLE - LAND UTILISATION AND FERTILISATION OF SELECTED CROPS AND PASTURE: COMPARISON OF RESULTS BASED ON CHANGED SCOPE OF COLLECTION, QUEENSLAND, 1985-86

| Particulars                                 | Unit          | EVAO cut-off<br>\$2,500 | EVAO cut-off<br>\$20,000 | Percentage<br>comparison of<br>EVAO cut-offs |
|---------------------------------------------|---------------|-------------------------|--------------------------|----------------------------------------------|
| <b>Land utilisation</b>                     |               |                         |                          |                                              |
| Agricultural establishments                 | Number        | 35,046                  | 25,549                   | 72.9                                         |
| Area of agricultural establishments         | '000 hectares | 158,092                 | 154,336                  | 97.6                                         |
| Area of crops (a)                           | '000 hectares | 3,231                   | 3,168                    | 98.1                                         |
| Area of lucerne at 31 March 1986            | '000 hectares | 31                      | 25                       | 82.1                                         |
| Area of other sown pasture at 31 March 1986 | '000 hectares | 4,311                   | 4,181                    | 97.0                                         |
| <b>Fertilisation</b>                        |               |                         |                          |                                              |
| <b>Sugar cane</b>                           |               |                         |                          |                                              |
| Area fertilised                             | hectares      | 287,952                 | 287,276                  | 99.8                                         |
| Quantity of fertiliser used                 | tonnes        | 208,574                 | 208,088                  | 99.8                                         |
| <b>Wheat</b>                                |               |                         |                          |                                              |
| Area fertilised                             | hectares      | 139,136                 | 138,303                  | 99.4                                         |
| Quantity of fertiliser used                 | tonnes        | 11,610                  | 11,495                   | 99.0                                         |
| <b>All other crops</b>                      |               |                         |                          |                                              |
| Area fertilised                             | hectares      | 620,329                 | 602,557                  | 97.1                                         |
| Quantity of fertiliser used                 | tonnes        | 140,690                 | 136,468                  | 97.0                                         |
| <b>Pasture (native or sown)</b>             |               |                         |                          |                                              |
| Area fertilised                             | hectares      | 194,030                 | 168,242                  | 86.7                                         |
| Quantity of fertiliser used                 | tonnes        | 47,699                  | 43,149                   | 90.5                                         |

(a) Excluding lucerne and other pasture harvested for hay, seed and green feed.

#### SUMMARY OF FINDINGS

DIAGRAM 1 - LAND UTILISATION: AREA OF AGRICULTURAL ESTABLISHMENTS, CROPS AND SOWN PASTURE, QUEENSLAND, 1982-83 TO 1986-87



(a) See Explanatory Notes.

#### Fertilisation

The predominant fertiliser type used on crops and pastures in the 1986-87 season was straight nitrogenous, comprising 121,000 tonnes of urea, 15,000 tonnes of sulphate of ammonia and 52,000 tonnes of other straight nitrogenous types. A total of 61,000 tonnes of superphosphate was applied while the remaining 38 per cent or 150,000 tonnes consisted of other artificial fertilisers and mixtures.

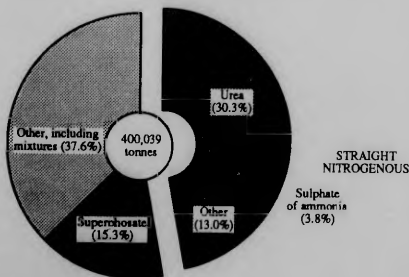
#### Land Utilisation

The total area of agricultural establishments in Queensland at 31 March 1987 was 152 million hectares. This was a fall of 1.7 per cent or 2.6 million hectares from the area in March 1986.

The area of sown pasture gradually increased over the period March 1983 to March 1986, but then fell by 5.4 per cent to 4.0 million hectares at 31 March 1987.

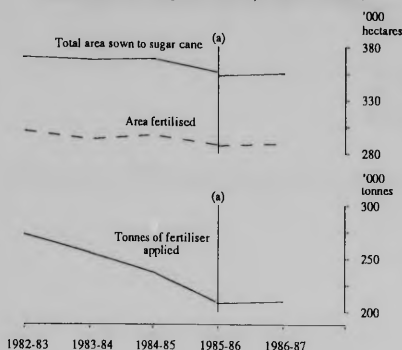
A similar movement occurred in the area of crops, where the 1986-87 figure of 3.2 million hectares was 4.1 per cent below that of the previous year.

DIAGRAM 2 - TYPE AND QUANTITY OF FERTILISER USED, QUEENSLAND, 1986-87



## SUMMARY OF FINDINGS (continued)

DIAGRAM 3 - ARTIFICIAL FERTILISER ON SUGAR CANE: AREA AND FERTILISER USAGE, QUEENSLAND, 1982-83 TO 1986-87



(a) See Explanatory Notes.

## Wheat Fertilisation

The area sown to wheat during 1986-87 in Queensland fell sharply by 14 per cent to 842,000 hectares reflecting a depressed market for wheat and poor seasonal conditions in many areas.

However, the area of wheat fertilised during 1986-87 rose by 2 per cent to 141,000 hectares. Fertiliser applied to this area has also increased to 12,300 tonnes, an increase of 7 per cent on the previous year's total.

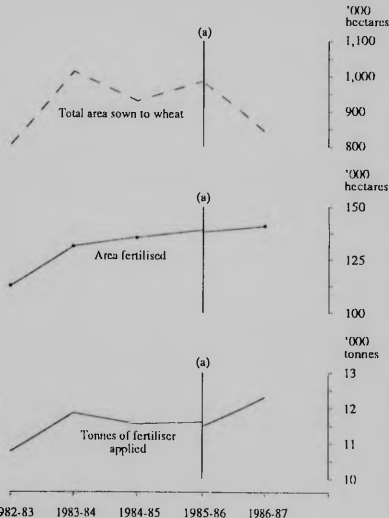
DIAGRAM 4 - ARTIFICIAL FERTILISER ON WHEAT: AREA AND FERTILISER USAGE, QUEENSLAND, 1982-83 TO 1986-87

## Sugar Cane Fertilisation

Both area sown to sugar cane (355,000 hectares) and area of cane fertilised (289,000 hectares) stabilised during 1986-87, after a gradual decline from 1981-82 in response to depressed sugar prices on world markets.

Tonnage of fertiliser applied has also stabilised to 210,000 tonnes in 1986-87, after a marked decline during the 1980s, partly due to depressed sugar prices, but more importantly to the adoption of new field technologies which promote lower input strategies to produced comparable yields.

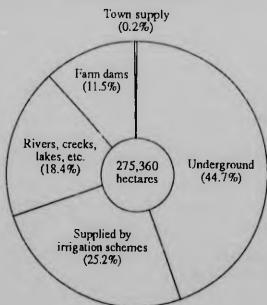
DIAGRAM 4 - ARTIFICIAL FERTILISER ON WHEAT: AREA AND FERTILISER USAGE, QUEENSLAND, 1982-83 TO 1986-87



(a) See Explanatory Notes.

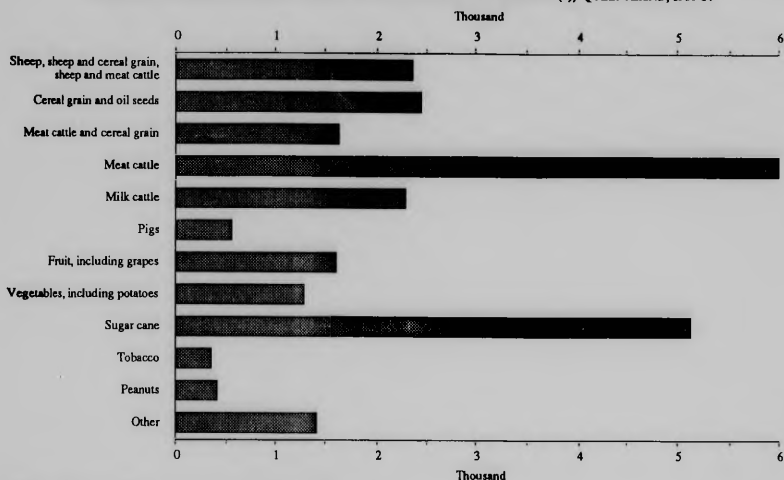
## Irrigation Sources

DIAGRAM 5 - IRRIGATION: AREA OF AGRICULTURAL ESTABLISHMENTS BY SOURCE OF WATER, QUEENSLAND, 1986-87



The total area of crops and pastures irrigated in Queensland during the 1986-87 season was 275,000 hectares. The major source of water was underground supplies, which irrigated 123,000 hectares. Water from State irrigation schemes irrigated 69,000 hectares, while the other surface water sources, rivers, creeks, lakes, etc., and farm dams irrigated 51,000 hectares and 32,000 hectares, respectively. Less than 1,000 hectares were irrigated from a town or country reticulated water supply.

DIAGRAM 6 - NUMBER OF AGRICULTURAL ESTABLISHMENTS BY INDUSTRY (a), QUEENSLAND, 1986-87



(a) See Table 16 for details by local government areas for 1986-87.

**SUMMARY**

TABLE 1 - AGRICULTURAL ESTABLISHMENTS: AREA AND LAND UTILISATION, QUEENSLAND

| Particulars                         | Unit          | 1982-83 | 1983-84 | 1984-85 | 1985-86 | 1985-86 (a) | 1986-87 |
|-------------------------------------|---------------|---------|---------|---------|---------|-------------|---------|
| Total area of Queensland            | '000 hectares | 172,700 | 172,700 | 172,700 | 172,700 | 172,700     | 172,700 |
| Agricultural establishments         | number        | 34,403  | 34,558  | 34,341  | 35,046  | 25,549      | 25,860  |
| Area of agricultural establishments | '000 hectares | 155,915 | 158,110 | 157,230 | 158,092 | 154,336     | 151,723 |
| Area of crops (b)                   | '000 hectares | 2,648   | 2,998   | 3,047   | 3,231   | 3,168       | 3,036   |
| Area under sown pasture             |               |         |         |         |         |             |         |
| Lucerne                             | '000 hectares | 28      | 25      | 25      | 31      | 25          | 27      |
| Other                               | '000 hectares | 3,511   | 3,827   | 4,259   | 4,311   | 4,181       | 3,952   |
| Balance of establishments (c)       | '000 hectares | 149,729 | 151,260 | 149,899 | 150,520 | 146,957     | 144,707 |

(a) Data adjusted to the 1986-87 census scope of \$20,000 EVM cut-off.

(b) Excluding lucerne and other pasture harvested for hay, seed and green feed.

(c) Used for intermittent grazing, lying idle, fallow, not suitable for agriculture, etc.

**TABLE 2 - AGRICULTURAL ESTABLISHMENTS: AREA AND LAND UTILISATION IN LOCAL GOVERNMENT AREAS  
BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87**

| STATISTICAL DIVISION<br>and<br>local government area | Total area<br>(a) | Agri-<br>cultural<br>estab-<br>lishments<br>(b) | Area of agri-<br>cultural<br>estab-<br>lishments<br>(b) | Land utilisation on agricultural<br>establishments |                  |                  |                  |
|------------------------------------------------------|-------------------|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------|------------------|------------------|------------------|
|                                                      |                   |                                                 |                                                         | Area of<br>crops<br>(c)                            | Sown pasture     |                  | Balance          |
|                                                      |                   |                                                 |                                                         |                                                    | Lucerne          | Other            |                  |
|                                                      | '000<br>hectares  | No.                                             | '000<br>hectares                                        | '000<br>hectares                                   | '000<br>hectares | '000<br>hectares | '000<br>hectares |
| <b>MORETON AND BRISBANE</b>                          | <b>2,236</b>      | <b>3,795</b>                                    | <b>872</b>                                              | <b>70.1</b>                                        | <b>6.6</b>       | <b>61.6</b>      | <b>734.0</b>     |
| Albert (S)                                           | 127               | 243                                             | 25                                                      | 5.7                                                | -                | 3.2              | 16.1             |
| Beaudesert (S)                                       | 286               | 395                                             | 131                                                     | 6.4                                                | 1.5              | 12.6             | 110.5            |
| Boonah (S)                                           | 148               | 275                                             | 75                                                      | 7.2                                                | 1.1              | 2.5              | 64.4             |
| Brisbane (C)                                         | 122               | 177                                             | 3                                                       | 0.9                                                | -                | 0.6              | 1.4              |
| Caboolture (S)                                       | 121               | 300                                             | 27                                                      | 3.1                                                | 0.1              | 3.7              | 20.1             |
| Esk (S)                                              | 385               | 332                                             | 229                                                     | 7.4                                                | 1.0              | 5.0              | 215.9            |
| Gatton (S)                                           | 158               | 314                                             | 56                                                      | 8.5                                                | 0.9              | 3.4              | 43.7             |
| Gold Coast (C)                                       | 12                | 6                                               | -                                                       | -                                                  | -                | -                | 0.3              |
| Ipswich (C)                                          | 12                | 3                                               | -                                                       | -                                                  | -                | -                | 0.4              |
| Kilcoy (S)                                           | 144               | 87                                              | 122                                                     | 0.8                                                | 0.1              | 7.6              | 113.3            |
| Laidley (S)                                          | 69                | 240                                             | 52                                                      | 8.2                                                | 0.7              | 1.4              | 42.1             |
| Landsborough (S)                                     | 110               | 293                                             | 27                                                      | 3.1                                                | -                | 7.5              | 16.7             |
| Logan (C)                                            | 24                | 30                                              | -                                                       | 0.1                                                | -                | 0.1              | 0.3              |
| Maroochy (S)                                         | 115               | 438                                             | 28                                                      | 8.7                                                | 0.1              | 3.7              | 15.6             |
| Moreton (S)                                          | 181               | 254                                             | 61                                                      | 7.2                                                | 1.0              | 2.8              | 50.4             |
| Noosa (S)                                            | 88                | 103                                             | 13                                                      | 1.0                                                | 0.1              | 5.0              | 6.7              |
| Pine Rivers (S)                                      | 77                | 155                                             | 18                                                      | 1.0                                                | 0.1              | 2.2              | 14.7             |
| Redcliffe (C)                                        | 4                 | 4                                               | -                                                       | -                                                  | -                | -                | -                |
| Redland (S)                                          | 54                | 146                                             | 3                                                       | 0.8                                                | -                | 0.3              | 1.4              |
| <b>WIDE BAY-BURNETT</b>                              | <b>5,215</b>      | <b>4,167</b>                                    | <b>3,379</b>                                            | <b>212.9</b>                                       | <b>4.3</b>       | <b>229.0</b>     | <b>2,933.2</b>   |
| Biggenden (S)                                        | 132               | 100                                             | 95                                                      | 4.1                                                | 0.1              | 5.6              | 84.8             |
| Bundaberg (C)                                        | 5                 | 8                                               | -                                                       | 0.2                                                | -                | -                | -                |
| Eidsvold (S)                                         | 479               | 99                                              | 452                                                     | 2.9                                                | 0.1              | 21.2             | 427.4            |
| Gayndah (S)                                          | 271               | 141                                             | 188                                                     | 7.8                                                | 0.2              | 7.8              | 172.2            |
| Gooburrum (S)                                        | 130               | 412                                             | 101                                                     | 23.0                                               | -                | 6.2              | 71.5             |
| Gympie (C)                                           | 2                 | 2                                               | -                                                       | -                                                  | -                | -                | -                |
| Hervey Bay (C)                                       | 239               | 89                                              | 31                                                      | 3.1                                                | -                | 5.1              | 22.8             |
| Isis (S)                                             | 168               | 210                                             | 77                                                      | 15.4                                               | -                | 4.3              | 57.0             |
| Kilkivan (S)                                         | 325               | 221                                             | 220                                                     | 7.8                                                | 1.1              | 16.8             | 194.4            |
| Kingaroy (S)                                         | 242               | 377                                             | 185                                                     | 41.4                                               | 0.1              | 11.0             | 133.0            |
| Kolan (S)                                            | 266               | 179                                             | 182                                                     | 7.1                                                | -                | 7.5              | 167.4            |
| Maryborough (C)                                      | 113               | 43                                              | 6                                                       | 1.1                                                | -                | 1.5              | 3.2              |
| Miriam Vale (S)                                      | 371               | 119                                             | 203                                                     | 0.7                                                | -                | 14.8             | 187.3            |
| Monto (S)                                            | 428               | 261                                             | 355                                                     | 15.4                                               | 1.1              | 35.7             | 302.8            |
| Mundubbera (S)                                       | 419               | 152                                             | 358                                                     | 7.3                                                | 0.2              | 30.1             | 320.6            |
| Murgon (S)                                           | 70                | 149                                             | 48                                                      | 11.7                                               | 0.4              | 5.8              | 29.7             |
| Nandango (S)                                         | 174               | 173                                             | 92                                                      | 9.3                                                | 0.4              | 3.5              | 78.3             |
| Perry (S)                                            | 236               | 48                                              | 161                                                     | 0.1                                                | -                | 3.3              | 157.5            |
| Tiaro (S)                                            | 220               | 164                                             | 81                                                      | 2.9                                                | 0.1              | 5.2              | 73.2             |
| Widgee (S)                                           | 294               | 432                                             | 102                                                     | 5.1                                                | 0.3              | 21.2             | 75.1             |
| Wondai (S)                                           | 357               | 280                                             | 285                                                     | 26.6                                               | 0.1              | 13.7             | 244.2            |
| Woochoo (S)                                          | 203               | 132                                             | 123                                                     | 3.9                                                | -                | 6.8              | 112.2            |
| Wonggarra (S)                                        | 73                | 376                                             | 36                                                      | 16.1                                               | -                | 1.9              | 18.5             |
| <b>DAHLING DOWNS</b>                                 | <b>9,006</b>      | <b>6,061</b>                                    | <b>7,552</b>                                            | <b>1,469.4</b>                                     | <b>12.6</b>      | <b>451.5</b>     | <b>5,618.9</b>   |
| Allora (S)                                           | 70                | 156                                             | 44                                                      | 17.7                                               | 0.7              | 0.7              | 24.4             |
| Cambooya (S)                                         | 64                | 179                                             | 43                                                      | 20.2                                               | 0.5              | 1.9              | 20.2             |
| Chinchilla (S)                                       | 869               | 407                                             | 657                                                     | 93.7                                               | 0.1              | 30.2             | 533.0            |
| Clifton (S)                                          | 87                | 241                                             | 64                                                      | 38.2                                               | 0.4              | 0.4              | 25.4             |
| Crow's Nest (S)                                      | 163               | 242                                             | 95                                                      | 6.0                                                | 0.2              | 9.9              | 79.1             |
| Dalby (T)                                            | 5                 | 2                                               | -                                                       | -                                                  | -                | -                | -                |
| Glengallan (S)                                       | 174               | 293                                             | 85                                                      | 22.2                                               | 1.5              | 3.0              | 58.3             |
| Goondwindi (T)                                       | 2                 | 2                                               | 1                                                       | -                                                  | -                | -                | 0.6              |
| Inglewood (S)                                        | 586               | 215                                             | 489                                                     | 17.4                                               | 1.4              | 7.1              | 463.2            |
| Jondaryn (S)                                         | 190               | 496                                             | 165                                                     | 106.0                                              | 1.1              | 1.5              | 56.9             |
| Millmerran (S)                                       | 451               | 290                                             | 369                                                     | 97.9                                               | 0.8              | 18.7             | 252.0            |
| Murilla (S)                                          | 605               | 220                                             | 434                                                     | 124.6                                              | -                | 24.0             | 285.5            |
| Pittsworth (S)                                       | 110               | 281                                             | 92                                                      | 64.2                                               | 0.2              | 1.0              | 26.9             |
| Rosenthal (S)                                        | 219               | 487                                             | 166                                                     | 54.8                                               | 1.4              | 7.1              | 103.0            |
| Rosenthal (S)                                        | 197               | 139                                             | 144                                                     | 7.0                                                | 0.6              | 5.9              | 130.3            |
| Rosalie (S)                                          | 268               | 454                                             | 170                                                     | 7.1                                                | 0.1              | 5.8              | 157.1            |
| Tara (S)                                             | 1,118             | 376                                             | 936                                                     | 192.3                                              | 0.9              | 21.2             | 722.0            |
| Taroom (S)                                           | 1,864             | 437                                             | 1,813                                                   | 98.9                                               | 0.5              | 264.2            | 1,449.5          |
| Toowoomba (C)                                        | 12                | 20                                              | 1                                                       | 0.1                                                | -                | -                | 0.6              |
| Wagamba (S)                                          | 1,384             | 349                                             | 1,333                                                   | 272.7                                              | 1.4              | 35.2             | 1,023.4          |
| Wambo (S)                                            | 569               | 767                                             | 450                                                     | 228.2                                              | 0.6              | 13.7             | 207.5            |
| Warwick (C)                                          | 3                 | 8                                               | -                                                       | -                                                  | -                | -                | 0.2              |



TABLE 2 - AGRICULTURAL ESTABLISHMENTS: AREA AND LAND UTILISATION IN LOCAL GOVERNMENT AREAS  
BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)

| STATISTICAL DIVISION<br>and<br>local government area | Total area<br>(a) | Agri-<br>cultural<br>estab-<br>lishments<br>(b) | Area of<br>agri-<br>cultural<br>estab-<br>lishments<br>(b) | Land utilisation on agricultural<br>establishments |                  |                  |                  |
|------------------------------------------------------|-------------------|-------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|------------------|------------------|------------------|
|                                                      |                   |                                                 |                                                            | Area of<br>crops<br>(c)                            | Sown pasture     |                  | Balance          |
|                                                      |                   |                                                 |                                                            |                                                    | Lucerne          | Other            |                  |
|                                                      | '000<br>hectares  | No.                                             | '000<br>hectares                                           | '000<br>hectares                                   | '000<br>hectares | '000<br>hectares | '000<br>hectares |
| <b>SOUTH-WEST</b>                                    | <b>32,252</b>     | <b>1,645</b>                                    | <b>30,368</b>                                              | <b>259.6</b>                                       | <b>0.3</b>       | <b>597.7</b>     | <b>29,510.1</b>  |
| Balonne (S)                                          | 3,112             | 320                                             | 2,907                                                      | 90.9                                               | -                | 124.0            | 2,691.9          |
| Bendemeere (S)                                       | 394               | 126                                             | 341                                                        | 31.5                                               | 0.1              | 8.8              | 300.7            |
| Booringa (S)                                         | 2,779             | 189                                             | 2,308                                                      | 18.5                                               | -                | 87.7             | 2,201.9          |
| Bulloo (S)                                           | 7,362             | 36                                              | 7,448                                                      | -                                                  | -                | -                | 7,447.9          |
| Bungil (S)                                           | 1,330             | 342                                             | 1,171                                                      | 70.3                                               | -                | 113.3            | 987.4            |
| Murweh (S)                                           | 4,391             | 204                                             | 4,178                                                      | 6.0                                                | -                | 154.7            | 4,017.6          |
| Paroo (S)                                            | 4,762             | 160                                             | 4,366                                                      | -                                                  | -                | 3.0              | 4,363.3          |
| Quilpie (S)                                          | 6,748             | 105                                             | 6,385                                                      | -                                                  | -                | 34.0             | 6,350.6          |
| Roma (T)                                             | 8                 | 1                                               | -                                                          | -                                                  | -                | -                | -                |
| Warroo (S)                                           | 1,366             | 162                                             | 1,263                                                      | 42.3                                               | 0.1              | 72.1             | 1,148.8          |
| <b>FITZROY</b>                                       | <b>12,188</b>     | <b>2,315</b>                                    | <b>10,142</b>                                              | <b>566.7</b>                                       | <b>2.8</b>       | <b>1,291.1</b>   | <b>8,281.1</b>   |
| Banana (S)                                           | 1,573             | 785                                             | 1,442                                                      | 153.0                                              | 1.8              | 224.3            | 1,063.0          |
| Bauhinia (S)                                         | 2,456             | 219                                             | 2,181                                                      | 121.8                                              | 0.6              | 330.8            | 1,727.4          |
| Calliope (S)                                         | 588               | 190                                             | 424                                                        | 3.6                                                | 0.2              | 34.5             | 385.6            |
| Duarina (S)                                          | 1,794             | 216                                             | 1,422                                                      | 86.0                                               | -                | 313.8            | 1,022.4          |
| Emerald (S)                                          | 1,023             | 178                                             | 947                                                        | 73.4                                               | 0.1              | 81.9             | 791.7            |
| Fitzroy (S)                                          | 576               | 219                                             | 384                                                        | 7.0                                                | 0.1              | 36.2             | 340.8            |
| Gladstone (C)                                        | 13                | -                                               | -                                                          | -                                                  | -                | -                | -                |
| Jericho (S)                                          | 2,172             | 104                                             | 1,862                                                      | -                                                  | -                | 164.4            | 1,697.1          |
| Livingstone (S)                                      | 1,115             | 246                                             | 806                                                        | 3.6                                                | -                | 59.6             | 742.8            |
| Mount Morgan (S)                                     | 51                | 8                                               | 15                                                         | 0.1                                                | -                | 0.1              | 14.8             |
| Peak Downs (S)                                       | 810               | 145                                             | 658                                                        | 118.1                                              | -                | 45.5             | 494.9            |
| Rockhampton (C)                                      | 19                | 5                                               | -                                                          | -                                                  | -                | -                | 0.4              |
| <b>CENTRAL-WEST</b>                                  | <b>37,047</b>     | <b>715</b>                                      | <b>33,437</b>                                              | <b>0.1</b>                                         | <b>-</b>         | <b>308.9</b>     | <b>33,128.2</b>  |
| Aramac (S)                                           | 2,323             | 97                                              | 2,048                                                      | -                                                  | -                | 31.8             | 2,016.0          |
| Barcardine (S)                                       | 843               | 62                                              | 788                                                        | -                                                  | -                | 78.1             | 709.6            |
| Barcoo (S)                                           | 6,190             | 56                                              | 5,984                                                      | -                                                  | -                | -                | 5,984.3          |
| Blackall (S)                                         | 1,630             | 86                                              | 1,387                                                      | -                                                  | -                | 139.0            | 1,248.3          |
| Boulia (S)                                           | 6,118             | 31                                              | 5,798                                                      | -                                                  | -                | -                | 5,797.9          |
| Diamantina (S)                                       | 9,469             | 12                                              | 7,994                                                      | -                                                  | -                | -                | 7,993.8          |
| Ilfracombe (S)                                       | 657               | 42                                              | 616                                                        | -                                                  | -                | -                | 616.1            |
| Isisford (S)                                         | 1,053             | 42                                              | 923                                                        | -                                                  | -                | 2.5              | 920.5            |
| Longreach (S)                                        | 2,352             | 114                                             | 2,397                                                      | -                                                  | -                | 1.1              | 2,396.2          |
| Tambo (S)                                            | 1,031             | 50                                              | 852                                                        | 0.1                                                | -                | 55.7             | 796.4            |
| Winton (S)                                           | 5,382             | 123                                             | 4,650                                                      | -                                                  | -                | 0.7              | 4,648.9          |
| <b>MACKAY</b>                                        | <b>6,848</b>      | <b>2,020</b>                                    | <b>6,059</b>                                               | <b>248.3</b>                                       | <b>0.2</b>       | <b>737.6</b>     | <b>5,072.6</b>   |
| Belyando (S)                                         | 3,008             | 181                                             | 2,790                                                      | 109.8                                              | -                | 358.4            | 2,321.9          |
| Broadsound (S)                                       | 1,831             | 200                                             | 1,570                                                      | 29.3                                               | -                | 245.5            | 1,295.1          |
| Mackay (C)                                           | 1                 | 9                                               | 1                                                          | 0.4                                                | -                | -                | 0.3              |
| Miraní (S)                                           | 329               | 382                                             | 217                                                        | 25.5                                               | -                | 8.0              | 183.2            |
| Nebo (S)                                             | 1,003             | 82                                              | 1,002                                                      | 3.5                                                | -                | 74.5             | 924.0            |
| Pioneer (S)                                          | 276               | 745                                             | 183                                                        | 52.2                                               | 0.1              | 18.7             | 112.1            |
| Proserpine (S)                                       | 264               | 202                                             | 173                                                        | 15.1                                               | -                | 16.7             | 141.6            |
| Sarina (S)                                           | 133               | 219                                             | 123                                                        | 12.5                                               | -                | 15.9             | 94.6             |
| <b>NORTHERN</b>                                      | <b>10,103</b>     | <b>1,908</b>                                    | <b>9,211</b>                                               | <b>96.2</b>                                        | <b>0.1</b>       | <b>138.0</b>     | <b>8,976.5</b>   |
| Bowen (S)                                            | 2,109             | 220                                             | 1,973                                                      | 3.6                                                | -                | 49.9             | 1,919.6          |
| Burdekin (S)                                         | 491               | 688                                             | 443                                                        | 46.0                                               | -                | 23.0             | 373.8            |
| Charters Towers (C)                                  | 4                 | 1                                               | 49                                                         | -                                                  | -                | -                | 48.5             |
| Dalrymple (S)                                        | 6,778             | 226                                             | 6,412                                                      | 0.5                                                | -                | 57.0             | 6,354.7          |
| Hinchinbrook (S)                                     | 271               | 646                                             | 161                                                        | 42.3                                               | -                | 6.2              | 112.1            |
| Thuringowa (C)                                       | 412               | 121                                             | 162                                                        | 3.6                                                | -                | 1.7              | 156.4            |
| Townsville (C)                                       | 38                | 6                                               | 12                                                         | 0.1                                                | -                | 0.1              | 11.5             |

TABLE 2 - AGRICULTURAL ESTABLISHMENTS: AREA AND LAND UTILISATION IN LOCAL GOVERNMENT AREAS  
BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)

| STATISTICAL DIVISION<br>and<br>local government area | Total area<br>(a) | Agri-<br>cultural<br>estab-<br>lishments | Area of<br>agri-<br>cultural<br>estab-<br>lishments<br>(b) | Land utilisation on agricultural<br>establishments |                  |                  |                  |
|------------------------------------------------------|-------------------|------------------------------------------|------------------------------------------------------------|----------------------------------------------------|------------------|------------------|------------------|
|                                                      |                   |                                          |                                                            | Area of<br>crops<br>(c)                            | Sown pasture     |                  | Balance          |
|                                                      |                   |                                          |                                                            |                                                    | Lucerne          | Other            |                  |
|                                                      | '000<br>hectares  | No.                                      | '000<br>hectares                                           | '000<br>hectares                                   | '000<br>hectares | '000<br>hectares | '000<br>hectares |
| <b>FAR NORTH</b>                                     | <b>26,653</b>     | <b>2,734</b>                             | <b>20,953</b>                                              | <b>113.2</b>                                       | <b>0.4</b>       | <b>110.0</b>     | <b>20,729.2</b>  |
| Atherton (S)                                         | 62                | 188                                      | 36                                                         | 8.9                                                | 0.1              | 6.3              | 20.9             |
| Aurukun (S)                                          | 750               | 1                                        | 674                                                        | -                                                  | -                | -                | 673.6            |
| Cairns (C)                                           | 6                 | 3                                        | -                                                          | 0.1                                                | -                | -                | 0.1              |
| Cardwell (S)                                         | 290               | 278                                      | 62                                                         | 14.7                                               | -                | 21.4             | 26.3             |
| Cook (S)                                             | 11,533            | 65                                       | 8,085                                                      | 2.0                                                | 0.2              | 8.4              | 8,074.6          |
| Croydon (S)                                          | 2,839             | 20                                       | 2,422                                                      | -                                                  | -                | 0.9              | 2,420.9          |
| Douglas (S)                                          | 239               | 162                                      | 94                                                         | 10.0                                               | -                | 2.8              | 81.1             |
| Eacham (S)                                           | 114               | 222                                      | 43                                                         | 1.1                                                | 0.1              | 22.6             | 19.1             |
| Etheridge (S)                                        | 3,992             | 62                                       | 3,694                                                      | 0.1                                                | -                | 2.9              | 3,691.3          |
| Herberton (S)                                        | 953               | 98                                       | 655                                                        | 2.6                                                | -                | 6.0              | 645.9            |
| Johnstone (S)                                        | 163               | 649                                      | 59                                                         | 36.0                                               | -                | 5.9              | 17.1             |
| Mareeba (S)                                          | 5,259             | 479                                      | 4,704                                                      | 7.6                                                | 0.1              | 32.0             | 4,664.0          |
| Mulgrave (S)                                         | 174               | 506                                      | 49                                                         | 30.2                                               | -                | 0.9              | 17.6             |
| Torres (S)                                           | 280               | 1                                        | 377                                                        | -                                                  | -                | -                | 376.6            |
| Weipa (T)                                            | 1                 | -                                        | -                                                          | -                                                  | -                | -                | -                |
| <b>NORTH-WEST</b>                                    | <b>31,177</b>     | <b>500</b>                               | <b>29,750</b>                                              | <b>0.1</b>                                         | <b>-</b>         | <b>26.7</b>      | <b>29,723.4</b>  |
| Burke (S)                                            | 4,180             | 23                                       | 3,893                                                      | -                                                  | -                | -                | 3,892.9          |
| Carpentaria (S)                                      | 6,827             | 27                                       | 6,723                                                      | -                                                  | -                | -                | 6,722.8          |
| Cloncurry (S)                                        | 4,997             | 59                                       | 4,887                                                      | -                                                  | -                | -                | 4,886.8          |
| Flinders (S)                                         | 4,162             | 161                                      | 3,902                                                      | 0.1                                                | -                | 15.7             | 3,886.2          |
| McKinlay (S)                                         | 4,073             | 110                                      | 3,489                                                      | -                                                  | -                | 8.0              | 3,480.6          |
| Mornington (S)                                       | 119               | 1                                        | 98                                                         | -                                                  | -                | -                | 97.5             |
| Mount Isa (C)                                        | 4,123             | 20                                       | 4,244                                                      | -                                                  | -                | -                | 4,243.6          |
| Richmond (S)                                         | 2,694             | 99                                       | 2,516                                                      | -                                                  | -                | 3.0              | 2,513.1          |
| <b>QUEENSLAND</b>                                    | <b>172,700</b>    | <b>25,860</b>                            | <b>151,723</b>                                             | <b>3,036.5</b>                                     | <b>27.1</b>      | <b>3,952.1</b>   | <b>144,707.3</b> |

(a) Statistical divisions and local government areas have been rounded to the nearest 1,000 hectares and the State total to the nearest 100,000 hectares.

(b) The total area of establishments can exceed the total area of a local government area because the whole of the area of establishments extending over local authority boundaries is generally included with the authority in which the homestead is situated.

(c) Excluding lucerne and other pasture harvested for hay, seed, and green feed.

DIAGRAM 7 - TOTAL FERTILISER APPLICATION RATE FOR TOTAL CROPS AND PASTURES IN STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

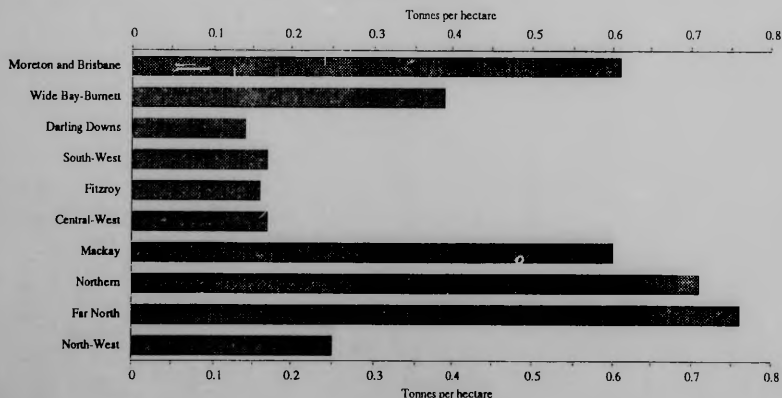


TABLE 3 - ARTIFICIAL FERTILISER ON AGRICULTURAL ESTABLISHMENTS: TYPE AND QUANTITY USED ON CROPS AND PASTURE, QUEENSLAND

| Year                                     | Sugar<br>cane | Grain<br>sorghum | Wheat   | Other<br>cereals | Fruit<br>(incl.<br>grapes) | Vege-<br>tables | Other<br>crops | Pasture |         | Total     |
|------------------------------------------|---------------|------------------|---------|------------------|----------------------------|-----------------|----------------|---------|---------|-----------|
|                                          |               |                  |         |                  |                            |                 |                | Lucerne | Other   |           |
| AREA FERTILISED (hectares)               |               |                  |         |                  |                            |                 |                |         |         |           |
| 1982-83                                  | 300,357       | n.a.             | 112,555 | n.a.             | n.a.                       | n.a.            | n.a.           | 136,453 |         | n.a.      |
| 1983-84                                  | 292,276       | n.a.             | 131,322 | n.a.             | n.a.                       | n.a.            | n.a.           | 144,973 |         | n.a.      |
| 1984-85                                  | 296,700       | 163,408          | 135,583 | 300,318          | 20,367                     | 22,769          | 92,499         | 7,755   | 156,726 | 1,196,125 |
| 1985-86                                  | 287,952       | n.a.             | 139,136 | n.a.             | n.a.                       | n.a.            | n.a.           | 194,030 |         | 1,241,446 |
| 1985-86 (a)                              | 287,276       | n.a.             | 138,303 | n.a.             | n.a.                       | n.a.            | n.a.           | 168,242 |         | 1,196,378 |
| 1986-87                                  | 289,225       | n.a.             | 140,974 | n.a.             | n.a.                       | n.a.            | n.a.           | 153,136 |         | 1,106,875 |
| SUPERPHOSPHATE (tonnes)                  |               |                  |         |                  |                            |                 |                |         |         |           |
| 1982-83                                  | 26,863        | n.a.             | 3,738   | n.a.             | n.a.                       | n.a.            | n.a.           | 23,490  |         | 75,915    |
| 1983-84                                  | 22,935        | n.a.             | 3,604   | n.a.             | n.a.                       | n.a.            | n.a.           | 23,277  |         | 73,186    |
| 1984-85                                  | 17,655        | 3,852            | 3,479   | 9,438            | 2,442                      | 3,357           | 5,809          | 1,828   | 22,951  | 70,810    |
| 1985-86                                  | 15,667        | n.a.             | 3,292   | n.a.             | n.a.                       | n.a.            | n.a.           | 25,307  |         | 69,804    |
| 1985-86 (a)                              | 15,611        | n.a.             | 3,263   | n.a.             | n.a.                       | n.a.            | n.a.           | 22,151  |         | 65,528    |
| 1986-87                                  | 16,416        | n.a.             | 3,325   | n.a.             | n.a.                       | n.a.            | n.a.           | 20,994  |         | 61,124    |
| STRAIGHT NITROGENOUS FERTILISER (tonnes) |               |                  |         |                  |                            |                 |                |         |         |           |
| 1982-83                                  | 129,011       | n.a.             | 5,309   | n.a.             | n.a.                       | n.a.            | n.a.           | 10,841  |         | 185,588   |
| 1983-84                                  | 114,354       | n.a.             | 5,739   | n.a.             | n.a.                       | n.a.            | n.a.           | 12,218  |         | 179,859   |
| 1984-85                                  | 114,088       | 14,584           | 6,123   | 22,818           | 7,622                      | 7,306           | 13,919         | 948     | 12,745  | 200,153   |
| 1985-86                                  | 101,659       | n.a.             | 6,071   | n.a.             | n.a.                       | n.a.            | n.a.           | 15,865  |         | 195,738   |
| 1985-86 (a)                              | 101,445       | n.a.             | 6,020   | n.a.             | n.a.                       | n.a.            | n.a.           | 15,023  |         | 192,959   |
| 1986-87                                  | 97,852        | n.a.             | 6,473   | n.a.             | n.a.                       | n.a.            | n.a.           | 16,072  |         | 188,450   |
| OTHER OR MIXED FERTILISER (tonnes)       |               |                  |         |                  |                            |                 |                |         |         |           |
| 1982-83                                  | 116,355       | n.a.             | 1,714   | n.a.             | n.a.                       | n.a.            | n.a.           | 4,561   |         | 156,826   |
| 1983-84                                  | 117,814       | n.a.             | 2,517   | n.a.             | n.a.                       | n.a.            | n.a.           | 6,107   |         | 161,699   |
| 1984-85                                  | 105,711       | 2,807            | 1,956   | 7,789            | 12,896                     | 9,830           | 7,299          | 720     | 5,524   | 154,531   |
| 1985-86                                  | 91,248        | n.a.             | 2,247   | n.a.             | n.a.                       | n.a.            | n.a.           | 6,528   |         | 143,032   |
| 1985-86 (a)                              | 91,032        | n.a.             | 2,212   | n.a.             | n.a.                       | n.a.            | n.a.           | 5,976   |         | 140,713   |
| 1986-87                                  | 95,544        | n.a.             | 2,520   | n.a.             | n.a.                       | n.a.            | n.a.           | 10,045  |         | 150,465   |

(a) Data adjusted to the 1986-87 census scope of \$20,000 EVAO cut-off.

TABLE 4 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS (a): CROPS AND PASTURE IRRIGATED, QUEENSLAND

| Particulars                     | 1976-77  | 1977-78  | 1978-79  | 1980-81  | 1983-84  | 1986-87  |
|---------------------------------|----------|----------|----------|----------|----------|----------|
|                                 | No.      | No.      | No.      | No.      | No.      | No.      |
| Establishments using irrigation | 8,119    | 8,508    | 7,846    | 8,421    | 7,501    | 7,280    |
|                                 | hectares | hectares | hectares | hectares | hectares | hectares |
| Area irrigated                  |          |          |          |          |          |          |
| Crops                           | 174,872  | 202,735  | 179,536  | 222,003  | 221,428  | 236,264  |
| Sugar cane                      | 83,372   | 96,272   | 79,114   | 101,715  | 103,998  | 106,255  |
| Grain sorghum                   | 14,558   | 11,441   | 11,644   | 18,095   | 10,603   | 12,701   |
| Other cereals                   | 26,050   | 32,858   | 24,109   | 31,370   | 23,639   | 25,147   |
| Cotton                          | 9,612    | 10,293   | 13,448   | 20,728   | 30,098   | 24,310   |
| Fruit (including grapes)        | 5,418    | 5,621    | 6,622    | 8,027    | 9,548    | 11,654   |
| Vegetables                      | 19,550   | 20,135   | 20,385   | 19,456   | 20,166   | 22,346   |
| Other crops                     | 16,312   | 26,115   | 24,214   | 22,622   | 23,376   | 33,851   |
| Pasture                         | 34,646   | 32,561   | 29,680   | 33,704   | 32,953   | 39,096   |
| Lucerne                         | 12,805   | 11,543   | 11,241   | 14,020   | 13,323   | 15,378   |
| Other                           | 21,841   | 21,018   | 18,439   | 19,684   | 19,630   | 23,718   |
| Total area irrigated            | 209,518  | 235,296  | 209,216  | 255,707  | 254,380  | 275,360  |
|                                 | %        | %        | %        | %        | %        | %        |
| Proportion of crop irrigated    |          |          |          |          |          |          |
| Sugar cane                      | 24.6     | 28.2     | 24.0     | 28.7     | 28.3     | 29.9     |
| Cotton                          | 93.4     | 93.8     | 93.1     | 92.6     | 91.5     | 78.4     |
| Fruit (including grapes)        | 25.3     | 26.2     | 29.4     | 33.3     | 33.2     | 40.6     |
| Vegetables                      | 72.5     | 73.7     | 72.5     | 73.4     | 66.2     | 70.7     |
| All crops                       | 8.4      | 9.3      | 7.6      | 8.6      | 7.4      | 7.8      |

(a) Not collected in 1979-80, 1981-82, 1982-83, 1984-85 and 1985-86.

TABLE 5 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: CROPS AND PASTURES IRRIGATED BY METHOD OF IRRIGATION, QUEENSLAND, 1986-87 (hectares)

| Particulars              | Method of irrigation |                      |                             |          | Total area irrigated |
|--------------------------|----------------------|----------------------|-----------------------------|----------|----------------------|
|                          | Sprays               | Furrows and flooding | Trickle (incl. micro-spray) | Multiple |                      |
| Crops                    | 99,453               | 109,667              | 9,182                       | 17,962   | 236,264              |
| Sugar cane               | 44,791               | 52,092               | 175                         | 9,197    | 106,255              |
| Grain sorghum            | 4,035                | 8,131                | -                           | 536      | 12,701               |
| Other cereals            | 12,815               | 10,290               | -                           | 2,041    | 25,147               |
| Cotton                   | 837                  | 22,375               | 100                         | 998      | 24,310               |
| Soybeans                 | 5,101                | 8,086                | -                           | 851      | 14,037               |
| Fruit (including grapes) | 4,917                | 186                  | 5,679                       | 872      | 11,654               |
| Vegetables               | 15,433               | 1,993                | 3,017                       | 1,902    | 22,346               |
| Other crops              | 11,524               | 6,515                | 211                         | 1,565    | 19,814               |
| Pasture                  | 30,373               | 4,424                | -                           | 4,300    | 39,096               |
| Lucerne                  | 14,082               | 211                  | -                           | 1,086    | 15,378               |
| Other                    | 16,291               | 4,213                | -                           | 3,214    | 23,718               |
| Total area irrigated     | 129,826              | 114,091              | 9,182                       | 22,262   | 275,360              |

BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| STATISTICAL DIVISION<br>and<br>local government area | Any<br>crop | Sugar<br>cane | Barley | Grain<br>sorghum | Maize | Wheat | Cotton | Pea-<br>nuts | Soy-<br>beans | Sun-<br>flower | Pota-<br>toes<br>ba-<br>cco |     |
|------------------------------------------------------|-------------|---------------|--------|------------------|-------|-------|--------|--------------|---------------|----------------|-----------------------------|-----|
| MORETON AND BRISBANE                                 | 2,684       | 204           | 184    | 221              | 149   | 101   | 3      | -            | 31.5          | 32             | 15                          | 301 |
| Albert (S)                                           | 188         | 90            | 2      | 1                | 3     | -     | -      | -            | -             | -              | -                           | 2   |
| Beaudesert (S)                                       | 225         | -             | 15     | 19               | 29    | 19    | -      | -            | 38            | 1              | -                           | -   |
| Boonah (S)                                           | 211         | -             | 40     | 31               | 37    | 18    | -      | -            | 80            | 2              | -                           | 44  |
| Brisbane (C)                                         | 128         | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | 7   |
| Caboolture (S)                                       | 216         | -             | 2      | 2                | 5     | -     | -      | -            | 1             | -              | 3                           | 5   |
| Esk (S)                                              | 205         | -             | 37     | 39               | 26    | 10    | -      | -            | 53            | 11             | -                           | 39  |
| Gatton (S)                                           | 261         | -             | 20     | 29               | 12    | 5     | -      | -            | 9             | 8              | -                           | 99  |
| Gold Coast (C)                                       | 5           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Ipswich (C)                                          | 2           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Kilcoy (S)                                           | 28          | -             | 2      | -                | 2     | -     | -      | -            | 2             | -              | -                           | -   |
| Laidley (S)                                          | 200         | -             | 25     | 67               | 13    | 22    | 3      | -            | 68            | 9              | -                           | 76  |
| Landsborough (S)                                     | 201         | -             | -      | -                | 3     | -     | -      | -            | -             | -              | 12                          | 4   |
| Logan (C)                                            | 19          | -             | -      | -                | 1     | -     | -      | -            | -             | -              | -                           | -   |
| Maroochy (S)                                         | 369         | 114           | -      | -                | 2     | -     | -      | -            | 1             | -              | -                           | -   |
| Moreton (S)                                          | 176         | -             | 41     | 32               | 15    | 27    | -      | -            | 63            | 1              | -                           | 5   |
| Noosa (S)                                            | 71          | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Pine Rivers (S)                                      | 7           | -             | -      | 1                | 1     | -     | -      | -            | -             | -              | -                           | 3   |
| Redcliffe (C)                                        | 1           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Redland (S)                                          | 104         | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | 23  |
| WIDE BAY-BURNETT                                     | 3,045       | 1,119         | 252    | 550              | 314   | 286   | 5      | 392          | 276           | 40             | 6                           | 28  |
| Biggenden (S)                                        | 57          | 3             | 2      | 27               | 15    | 6     | -      | 22           | -             | -              | -                           | -   |
| Bundaberg (C)                                        | 8           | 2             | -      | -                | -     | -     | -      | -            | -             | -              | 1                           | -   |
| Eidsvold (S)                                         | 31          | -             | 3      | 9                | 3     | 5     | -      | 2            | 2             | -              | -                           | -   |
| Gayndah (S)                                          | 97          | -             | 5      | 36               | 14    | 9     | -      | 20           | 8             | 8              | -                           | -   |
| Gooburrum (S)                                        | 391         | 355           | -      | 1                | 1     | -     | -      | -            | 1             | -              | -                           | 7   |
| Gympie (C)                                           | 2           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Hervey Bay (C)                                       | 75          | 50            | 1      | -                | 1     | -     | -      | 1            | -             | -              | -                           | -   |
| Isis (S)                                             | 191         | 176           | -      | -                | 4     | -     | -      | -            | -             | -              | -                           | 3   |
| Kilkivan (S)                                         | 132         | -             | 21     | 38               | 6     | 20    | -      | 2            | 23            | 1              | -                           | 1   |
| Kingaroy (S)                                         | 315         | -             | 55     | 111              | 127   | 54    | -      | 203          | 75            | 2              | -                           | -   |
| Kolan (S)                                            | 120         | 100           | 1      | 6                | 10    | 1     | -      | -            | 6             | -              | -                           | -   |
| Maryborough (C)                                      | 39          | 32            | -      | -                | -     | -     | -      | -            | -             | -              | -                           | 2   |
| Miriam Vale (S)                                      | 31          | -             | -      | 1                | -     | -     | -      | -            | 1             | -              | -                           | -   |
| Monto (S)                                            | 187         | -             | 33     | 110              | 27    | 57    | -      | 4            | 31            | 4              | -                           | 1   |
| Mundubbera (S)                                       | 75          | -             | 8      | 26               | 10    | 12    | -      | 8            | 1             | 1              | -                           | -   |
| Murgon (S)                                           | 114         | -             | 27     | 53               | 17    | 44    | -      | 25           | 28            | 8              | -                           | 4   |
| Nanango (S)                                          | 127         | -             | 25     | 35               | 24    | 10    | -      | 19           | 36            | 3              | -                           | 2   |
| Perry (S)                                            | 2           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Tiaro (S)                                            | 99          | 33            | 4      | 3                | 1     | -     | -      | -            | 3             | -              | -                           | 1   |
| Widgee (S)                                           | 281         | -             | 11     | 1                | 11    | 1     | -      | -            | 4             | -              | -                           | 1   |
| Wondai (S)                                           | 225         | -             | 56     | 93               | 42    | 67    | 5      | 86           | 54            | 13             | -                           | -   |
| Wooloo (S)                                           | 82          | 57            | -      | -                | -     | -     | -      | -            | 3             | -              | -                           | 2   |
| Woongarra (S)                                        | 364         | 311           | -      | -                | 1     | -     | -      | -            | -             | -              | 5                           | -   |
| DARLING DOWNS                                        | 5,249       | 2,204         | 2,204  | 312              | 2,095 | 61    | 29     | 215          | 642           | 5              | 31                          | 31  |
| Allora (S)                                           | 144         | -             | 89     | 56               | 19    | 22    | -      | 2            | 3             | -              | -                           | -   |
| Camboya (S)                                          | 165         | -             | 96     | 62               | 25    | 29    | -      | -            | 3             | 35             | -                           | -   |
| Chinchilla (S)                                       | 329         | -             | 137    | 160              | 1     | 174   | 1      | -            | 5             | 40             | -                           | -   |
| Clifton (S)                                          | 234         | -             | 176    | 162              | 59    | 74    | -      | 15           | 25            | 98             | -                           | 6   |
| Crow's Nest (S)                                      | 159         | -             | 41     | 12               | 1     | 7     | -      | 4            | -             | -              | -                           | -   |
| Dalby (T)                                            | 2           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Glengallan (S)                                       | 253         | -             | 137    | 90               | 45    | 34    | -      | -            | 12            | 40             | -                           | 20  |
| Goondiwindi (T)                                      | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |
| Inglewood (S)                                        | 143         | -             | 28     | 17               | 1     | 34    | -      | -            | 13            | -              | 5                           | -   |
| Jondaryan (S)                                        | 468         | -             | 302    | 265              | 58    | 170   | 8      | -            | 58            | 96             | -                           | -   |
| Millmerran (S)                                       | 269         | -             | 160    | 161              | 21    | 157   | 13     | -            | 34            | 44             | -                           | -   |
| Murilla (S)                                          | 193         | -             | 17     | 98               | 1     | 117   | -      | -            | -             | 9              | -                           | -   |
| Pittsworth (S)                                       | 274         | -             | 193    | 170              | 20    | 105   | 12     | -            | 32            | 52             | -                           | -   |
| Rosalie (S)                                          | 442         | -             | 242    | 136              | 15    | 131   | -      | 7            | 3             | 28             | -                           | -   |
| Rosenthal (S)                                        | 95          | -             | 22     | 12               | 1     | 9     | -      | -            | 2             | 1              | -                           | 1   |
| Stanthorpe (S)                                       | 411         | -             | -      | -                | 1     | -     | -      | -            | 1             | -              | -                           | 2   |
| Tara (S)                                             | 313         | -             | 50     | 121              | 2     | 228   | -      | -            | -             | 9              | -                           | -   |
| Taroom (S)                                           | 308         | -             | 20     | 96               | -     | 143   | -      | -            | -             | 5              | -                           | -   |
| Toowoomba (C)                                        | 13          | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | 1   |
| Waggamba (S)                                         | 297         | -             | 59     | 87               | -     | 238   | 7      | -            | 1             | 3              | -                           | -   |
| Wambo (S)                                            | 733         | -             | 435    | 499              | 42    | 423   | 20     | 1            | 23            | 143            | -                           | -   |
| Warwick (C)                                          | 4           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                           | -   |

TABLE 6 - AGRICULTURAL ESTABLISHMENTS (a) GROWING PRINCIPAL CROPS IN LOCAL GOVERNMENT AREAS  
BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)

| STATISTICAL DIVISION<br>and<br>local government area | Any<br>crop | Sugar<br>cane | Barley | Grain<br>sorghum | Maize | Wheat | Cotton | Pea-<br>nuts | Soy-<br>beans | Sun-<br>flower | To-<br>ba-<br>cco | Pota-<br>toes |
|------------------------------------------------------|-------------|---------------|--------|------------------|-------|-------|--------|--------------|---------------|----------------|-------------------|---------------|
| <b>SOUTH-WEST</b>                                    | 596         | -             | 47     | 98               | 1     | 320   | 33     | -            | 12            | 12             | -                 | -             |
| Batonne (S)                                          | 152         | -             | 13     | 11               | 1     | 98    | 33     | -            | 12            | 4              | -                 | -             |
| Bendemere (S)                                        | 96          | -             | 18     | 19               | -     | 53    | -      | -            | -             | 1              | -                 | -             |
| Boorlinga (S)                                        | 46          | -             | -      | 9                | -     | 26    | -      | -            | -             | 1              | -                 | -             |
| Bullo (S)                                            | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Bungil (S)                                           | 197         | -             | 10     | 48               | -     | 89    | -      | -            | -             | 6              | -                 | -             |
| Murweh (S)                                           | 19          | -             | -      | 1                | -     | 4     | -      | -            | -             | -              | -                 | -             |
| Paroo (S)                                            | 1           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Quilpie (S)                                          | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Roma (T)                                             | 1           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Warroo (S)                                           | 84          | -             | 6      | 10               | -     | 50    | -      | -            | -             | -              | -                 | -             |
| <b>FITZROY</b>                                       | 1,316       | -             | 46     | 617              | 46    | 519   | 96     | 2            | 27            | 150            | -                 | 3             |
| Banana (S)                                           | 566         | -             | 30     | 280              | 23    | 307   | 58     | -            | 7             | 18             | -                 | 1             |
| Bauhinia (S)                                         | 130         | -             | -      | 83               | 1     | 30    | 1      | -            | -             | 32             | -                 | -             |
| Calliope (S)                                         | 78          | -             | 1      | 13               | 1     | 1     | -      | -            | -             | 1              | -                 | -             |
| Duarina (S)                                          | 97          | -             | -      | 54               | 1     | 43    | 2      | -            | -             | 4              | -                 | -             |
| Emerald (S)                                          | 108         | -             | 2      | 54               | 11    | 51    | 34     | 1            | 20            | 22             | -                 | -             |
| Fitzroy (S)                                          | 97          | -             | 6      | 34               | 3     | 8     | 1      | -            | -             | 5              | -                 | 1             |
| Gladstone (C)                                        | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Jericho (S)                                          | 3           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Livingstone (S)                                      | 124         | -             | 2      | 11               | 4     | 4     | -      | 1            | -             | 1              | -                 | -             |
| Mount Morgan (S)                                     | 1           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Peak Downs (S)                                       | 109         | -             | 5      | 88               | 2     | 75    | -      | -            | -             | 67             | -                 | -             |
| Rockhampton (C)                                      | 3           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | 1             |
| <b>CENTRAL-WEST</b>                                  | 6           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| <b>MACKAY</b>                                        | 1,618       | 1,425         | 2      | 95               | -     | 63    | -      | -            | -             | 44             | -                 | -             |
| Belyando (S)                                         | 93          | -             | 1      | 56               | -     | 53    | -      | -            | -             | 40             | -                 | -             |
| Broadsound (S)                                       | 85          | 41            | 1      | 21               | -     | 8     | -      | -            | -             | 3              | -                 | -             |
| Mackay (C)                                           | 9           | 9             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Mirani (S)                                           | 346         | 338           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Nebo (S)                                             | 17          | -             | -      | 8                | -     | 2     | -      | -            | -             | 1              | -                 | -             |
| Pioneer (S)                                          | 702         | 688           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Prosperpine (S)                                      | 186         | 176           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Sarina (S)                                           | 180         | 173           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| <b>NORTHERN</b>                                      | 1,507       | 1,259         | -      | 10               | 31    | -     | -      | -            | 5             | 9              | -                 | 9             |
| Bowen (S)                                            | 121         | -             | -      | 1                | 1     | -     | -      | -            | -             | -              | -                 | 1             |
| Burdekin (S)                                         | 662         | 611           | -      | 8                | 25    | -     | -      | -            | 5             | 9              | -                 | 2             |
| Charters Towers (C)                                  | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Dalrymple (S)                                        | 16          | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | 1             |
| Hinchinbrook (S)                                     | 625         | 611           | -      | -                | 3     | -     | -      | -            | -             | -              | -                 | -             |
| Thuringowa (C)                                       | 79          | 37            | -      | 1                | 2     | -     | -      | -            | -             | -              | -                 | 4             |
| Townsville (C)                                       | 4           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | 1             |
| <b>FAR NORTH</b>                                     | 2,250       | 1,326         | 2      | 8                | 136   | -     | -      | 120          | 1             | -              | 321               | 50            |
| Atherton (S)                                         | 151         | -             | 1      | 2                | 90    | -     | -      | 90           | -             | -              | 4                 | 32            |
| Aurukun (S)                                          | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Cairns (C)                                           | 3           | 1             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Cardwell (S)                                         | 266         | 167           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Cook (S)                                             | 10          | -             | -      | 1                | 2     | -     | -      | 3            | -             | -              | -                 | -             |
| Croydon (S)                                          | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Douglas (S)                                          | 149         | 142           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Eacham (S)                                           | 70          | 1             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Etheridge (S)                                        | 3           | -             | -      | -                | 17    | -     | -      | 1            | -             | -              | -                 | 2             |
| Herberton (S)                                        | 52          | -             | 1      | 3                | 20    | -     | -      | 10           | -             | -              | 2                 | 14            |
| Johnstone (S)                                        | 633         | 548           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Mareeba (S)                                          | 419         | 3             | -      | 2                | 7     | -     | -      | 16           | 1             | -              | 315               | 2             |
| Mulgrave (S)                                         | 494         | 464           | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Torres (S)                                           | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| Weipa (T)                                            | -           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| <b>NORTH-WEST</b>                                    | 6           | -             | -      | -                | -     | -     | -      | -            | -             | -              | -                 | -             |
| <b>QUEENSLAND</b>                                    | 18,277      | 5,333         | 2,737  | 3,803            | 989   | 3,384 | 198    | 543          | 851           | 929            | 347               | 427           |

(a) Growers of any area.

TABLE 7 - AGRICULTURAL ESTABLISHMENTS BY AREA OF ESTABLISHMENT IN STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| Area of establishment (hectares) | Statistical division |                  |               |            |         |              |        |          |           |            | Total State |
|----------------------------------|----------------------|------------------|---------------|------------|---------|--------------|--------|----------|-----------|------------|-------------|
|                                  | Moreton and Brisbane | Wide Bay-Burnett | Darling Downs | South-West | Fitzroy | Central-West | Mackay | Northern | Far North | North-West |             |
| Under 10 (a)                     | 520                  | 57               | 84            | 4          | 12      | -            | 7      | 31       | 59        | 2          | 776         |
| 10-19                            | 294                  | 101              | 74            | -          | 14      | -            | 4      | 32       | 53        | -          | 572         |
| 20-29                            | 273                  | 110              | 88            | 1          | 19      | -            | 28     | 66       | 125       | -          | 710         |
| 30-39                            | 230                  | 159              | 77            | -          | 13      | -            | 49     | 119      | 226       | -          | 873         |
| 40-49                            | 228                  | 165              | 71            | 3          | 26      | -            | 80     | 178      | 268       | -          | 1,019       |
| 50-74                            | 425                  | 371              | 164           | 3          | 37      | 1            | 263    | 364      | 571       | -          | 2,199       |
| 75-99                            | 301                  | 309              | 191           | 1          | 29      | -            | 211    | 194      | 321       | 1          | 1,558       |
| 100-124                          | 232                  | 258              | 182           | 1          | 37      | -            | 171    | 145      | 228       | 1          | 1,255       |
| 125-149                          | 191                  | 254              | 275           | 2          | 31      | -            | 147    | 94       | 159       | -          | 1,153       |
| 150-199                          | 230                  | 293              | 435           | 4          | 63      | 1            | 171    | 110      | 199       | -          | 1,506       |
| 200-249                          | 194                  | 259              | 423           | 6          | 79      | 1            | 118    | 69       | 105       | -          | 1,254       |
| 250-299                          | 103                  | 201              | 421           | 8          | 54      | 1            | 82     | 32       | 50        | -          | 952         |
| 300-399                          | 124                  | 258              | 503           | 15         | 103     | -            | 95     | 34       | 70        | -          | 1,202       |
| 400-499                          | 102                  | 169              | 417           | 10         | 96      | -            | 55     | 22       | 24        | 1          | 896         |
| 500-749                          | 125                  | 289              | 624           | 30         | 184     | 1            | 55     | 21       | 31        | -          | 1,360       |
| 750-999                          | 57                   | 168              | 321           | 42         | 138     | 2            | 22     | 15       | 9         | 1          | 775         |
| 1,000-1,999                      | 99                   | 315              | 716           | 162        | 319     | 5            | 63     | 35       | 18        | 7          | 1,739       |
| 2,000-2,999                      | 35                   | 157              | 392           | 166        | 200     | 8            | 50     | 35       | 13        | 3          | 1,059       |
| 3,000-3,999                      | 7                    | 76               | 202           | 108        | 187     | 7            | 28     | 16       | 3         | 4          | 638         |
| 4,000-4,999                      | 12                   | 58               | 114           | 95         | 112     | 12           | 23     | 16       | -         | 4          | 446         |
| 5,000-9,999                      | 10                   | 104              | 208           | 295        | 304     | 133          | 112    | 51       | 17        | 56         | 1,290       |
| 10,000-19,999                    | 2                    | 30               | 57            | 320        | 161     | 261          | 102    | 77       | 30        | 165        | 1,206       |
| 20,000-29,999                    | 1                    | 5                | 9             | 155        | 55      | 108          | 42     | 62       | 16        | 75         | 528         |
| 30,000-49,999                    | -                    | 1                | 8             | 132        | 31      | 83           | 27     | 56       | 36        | 62         | 436         |
| 50,000 and over                  | -                    | -                | 5             | 82         | 11      | 91           | 15     | 34       | 103       | 117        | 458         |
| Total (a)                        | 3,795                | 4,167            | 6,061         | 1,645      | 2,315   | 715          | 2,020  | 1,908    | 2,734     | 500        | 25,800      |

(a) Including non-land-based beekeeping establishments in the statistical divisions of: Moreton and Brisbane, 39; Wide Bay-Burnett, 13; Darling Downs, 14; South-West, 4; Fitzroy, 4; Northern, 1; Far North, 1; and Total State, 76.

## SELECTED INPUTS

## 1. LABOUR

TABLE 8 - EMPLOYMENT IN AGRICULTURE AND SERVICES TO AGRICULTURE (a), QUEENSLAND, FEBRUARY 1986 TO NOVEMBER 1987 ('000)

| Month          | Males | Females | Persons |
|----------------|-------|---------|---------|
| 1986: February | 55.0  | 24.6    | 79.6    |
| May            | 58.5  | 27.2    | 85.7    |
| August         | 61.4  | 26.5    | 87.9    |
| November       | 59.8  | 26.6    | 86.4    |
| 1987: February | 58.3  | 22.4    | 80.7    |
| May            | 56.0  | 21.8    | 77.8    |
| August         | 54.4  | 22.9    | 77.3    |
| November       | 55.9  | 24.2    | 80.1    |

(a) Estimates of persons 15 years and over employed on a full-time or part-time basis. For further information, see the ABS publications 'The Labour Force' (Catalogue No. 6201.3).

## 2. FERTILISERS

TABLE 9 - SUGAR CANE: AREA FERTILISED AND TYPE AND QUANTITY OF FERTILISER USED IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| STATISTICAL DIVISION<br>and<br>local government area | Quantity of fertiliser used |                     |               |                           |                                  |                                              |
|------------------------------------------------------|-----------------------------|---------------------|---------------|---------------------------|----------------------------------|----------------------------------------------|
|                                                      | Area<br>fertilised          | Super-<br>phosphate | Urea          | Sulphate<br>of<br>ammonia | Other<br>straight<br>nitrogenous | Other<br>artificial<br>including<br>mixtures |
|                                                      | hectares                    | tonnes              | tonnes        | tonnes                    | tonnes                           | tonnes                                       |
| <b>MORETON AND BRISBANE</b>                          | <b>7,583</b>                | <b>348</b>          | <b>1,416</b>  | <b>171</b>                | <b>1,139</b>                     | <b>2,229</b>                                 |
| Albert (S) and<br>Beaudesert (S)                     | 2,955                       | 104                 | 556           | 34                        | 517                              | 554                                          |
| Maroochy (S) and<br>Landsborough (S)                 | 4,627                       | 244                 | 860           | 137                       | 622                              | 1,675                                        |
| <b>WIDE BAY-BURNETT</b>                              | <b>53,373</b>               | <b>2,881</b>        | <b>7,188</b>  | <b>893</b>                | <b>2,248</b>                     | <b>21,141</b>                                |
| Gooburnum (S)                                        | 18,500                      | 1,035               | 2,529         | 270                       | 714                              | 7,301                                        |
| Hervey Bay (C)                                       | 1,578                       | 138                 | 302           | 44                        | 39                               | 584                                          |
| Isis (S) and Biggenden (S)                           | 11,738                      | 628                 | 1,313         | 178                       | 352                              | 4,478                                        |
| Kolan (S)                                            | 5,260                       | 249                 | 481           | 52                        | 120                              | 2,187                                        |
| Maryborough (C)                                      | 738                         | 22                  | 89            | 8                         | 5                                | 265                                          |
| Tiaro (S)                                            | 1,300                       | 51                  | 214           | 25                        | 112                              | 448                                          |
| Woocoo (S)                                           | 2,502                       | 91                  | 246           | 35                        | 187                              | 1,095                                        |
| Woongarra (S) and<br>Bundaberg (C)                   | 11,757                      | 668                 | 2,014         | 281                       | 719                              | 4,785                                        |
| <b>MACKAY</b>                                        | <b>88,898</b>               | <b>3,863</b>        | <b>14,450</b> | <b>1,561</b>              | <b>8,210</b>                     | <b>32,093</b>                                |
| Broadsound (S)                                       | 2,490                       | 139                 | 342           | 32                        | 99                               | 738                                          |
| Mackay (C)                                           | 327                         | 35                  | 85            | -                         | 13                               | 73                                           |
| Mirani (S)                                           | 20,894                      | 767                 | 3,057         | 332                       | 1,719                            | 7,557                                        |
| Pioneer (S)                                          | 43,133                      | 2,083               | 7,013         | 909                       | 4,434                            | 16,878                                       |
| Proserpine (S)                                       | 12,277                      | 441                 | 1,512         | 137                       | 1,303                            | 4,873                                        |
| Sarina (S)                                           | 9,777                       | 399                 | 2,442         | 152                       | 644                              | 1,974                                        |
| <b>NORTHERN</b>                                      | <b>70,157</b>               | <b>3,367</b>        | <b>25,028</b> | <b>3,111</b>              | <b>10,985</b>                    | <b>11,072</b>                                |
| Burdekin (S)                                         | 32,765                      | 925                 | 11,895        | 1,617                     | 6,331                            | 1,962                                        |
| Hinchinbrook (S)                                     | 35,378                      | 2,397               | 12,475        | 1,264                     | 4,299                            | 8,856                                        |
| Thuringowa (C)                                       | 2,015                       | 45                  | 658           | 231                       | 256                              | 254                                          |
| <b>FAR NORTH</b>                                     | <b>69,214</b>               | <b>5,956</b>        | <b>13,741</b> | <b>2,160</b>              | <b>5,650</b>                     | <b>29,010</b>                                |
| Cardwell (S)                                         | 9,208                       | 482                 | 1,587         | 119                       | 810                              | 4,784                                        |
| Douglas (S) and Mareeba (S)                          | 8,272                       | 636                 | 1,456         | 221                       | 321                              | 3,795                                        |
| Johnstone (S)                                        | 27,599                      | 2,856               | 5,243         | 1,187                     | 2,984                            | 10,532                                       |
| Mulgrave (S), Cairns (C)<br>and Eacham (S)           | 24,135                      | 1,983               | 5,455         | 634                       | 1,535                            | 9,899                                        |
| <b>OTHER DIVISIONS</b>                               | -                           | -                   | -             | -                         | -                                | -                                            |
| <b>QUEENSLAND</b>                                    | <b>289,225</b>              | <b>16,416</b>       | <b>61,823</b> | <b>7,896</b>              | <b>28,133</b>                    | <b>95,544</b>                                |



TABLE 10 - WHEAT: AREA FERTILISED AND TYPE AND QUANTITY OF FERTILISER USED  
IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| STATISTICAL DIVISION<br>and<br>local government area | Quantity of fertiliser used |                     |              |                           |                                  |                                              |
|------------------------------------------------------|-----------------------------|---------------------|--------------|---------------------------|----------------------------------|----------------------------------------------|
|                                                      | Area<br>fertilised          | Super-<br>phosphate | Urea         | Sulphate<br>of<br>ammonia | Other<br>straight<br>nitrogenous | Other<br>artificial<br>including<br>mixtures |
|                                                      | hectares                    | tonnes              | tonnes       | tonnes                    | tonnes                           | tonnes                                       |
| <b>MORETON AND BRISBANE</b>                          | <b>1,166</b>                | <b>21</b>           | <b>159</b>   | <b>22</b>                 | <b>28</b>                        | <b>23</b>                                    |
| Beaudesert (S)                                       | 294                         | 4                   | 46           | -                         | 2                                | 1                                            |
| Boonah (S)                                           | 69                          | 1                   | 4            | 6                         | -                                | 1                                            |
| Esk (S)                                              | 41                          | 4                   | 8            | -                         | -                                | 2                                            |
| Gatton (S)                                           | 36                          | 3                   | 3            | 1                         | -                                | -                                            |
| Laidley (S)                                          | 224                         | -                   | 45           | 4                         | 23                               | -                                            |
| Moreton (S)                                          | 499                         | 10                  | 54           | 11                        | 2                                | 19                                           |
| Other                                                | 3                           | -                   | -            | -                         | 1                                | -                                            |
| <b>WIDE BAY-BURNETT</b>                              | <b>7,679</b>                | <b>192</b>          | <b>470</b>   | <b>40</b>                 | <b>49</b>                        | <b>467</b>                                   |
| Gayndah (S)                                          | 364                         | 20                  | 8            | -                         | 17                               | 6                                            |
| Kilkivan (S)                                         | 385                         | -                   | 9            | 4                         | 2                                | 22                                           |
| Kingaroy (S)                                         | 1,879                       | 82                  | 35           | -                         | 11                               | 149                                          |
| Monto (S)                                            | 1,020                       | 1                   | 111          | 4                         | -                                | 3                                            |
| Mundubbera (S)                                       | 268                         | 6                   | 20           | -                         | -                                | 17                                           |
| Murgon (S)                                           | 1,575                       | 48                  | 167          | 31                        | 10                               | 96                                           |
| Nanango (S)                                          | 250                         | 10                  | 6            | 1                         | 1                                | 11                                           |
| Wondai (S)                                           | 1,778                       | 26                  | 112          | -                         | 8                                | 145                                          |
| Other                                                | 160                         | -                   | 2            | -                         | -                                | 17                                           |
| <b>DARLING DOWNS</b>                                 | <b>109,164</b>              | <b>2,717</b>        | <b>2,630</b> | <b>454</b>                | <b>1,890</b>                     | <b>1,503</b>                                 |
| Allora (S)                                           | 372                         | 5                   | 17           | 1                         | 13                               | 7                                            |
| Cambooya (S)                                         | 844                         | 5                   | 51           | 7                         | 20                               | 9                                            |
| Chinchilla (S)                                       | 4,611                       | 103                 | 60           | 10                        | 56                               | 88                                           |
| Clifton (S)                                          | 2,017                       | 47                  | 38           | 13                        | 88                               | 35                                           |
| Crow's Nest (S)                                      | 68                          | 2                   | 6            | -                         | -                                | 2                                            |
| Glengallan (S)                                       | 564                         | 16                  | 82           | 4                         | 20                               | 5                                            |
| Inglewood (S)                                        | 959                         | 40                  | 24           | -                         | 7                                | 23                                           |
| Jondaryan (S)                                        | 7,315                       | 135                 | 389          | 86                        | 285                              | 75                                           |
| Millmerran (S)                                       | 9,467                       | 271                 | 570          | 84                        | 197                              | 168                                          |
| Murilla (S)                                          | 6,140                       | 206                 | -            | 24                        | -                                | 113                                          |
| Pittsworth (S)                                       | 5,682                       | 194                 | 278          | 18                        | 143                              | 56                                           |
| Rosalie (S)                                          | 3,588                       | 114                 | 159          | 165                       | 95                               | 52                                           |
| Rosenthal (S)                                        | 228                         | 6                   | 4            | -                         | 2                                | 5                                            |
| Tara (S)                                             | 19,002                      | 504                 | -            | -                         | 30                               | 224                                          |
| Taroom (S)                                           | 615                         | 6                   | 15           | -                         | -                                | 14                                           |
| Waggamba (S)                                         | 22,010                      | 744                 | 28           | -                         | 33                               | 212                                          |
| Wambo (S)                                            | 25,482                      | 319                 | 910          | 43                        | 902                              | 415                                          |
| <b>SOUTH-WEST</b>                                    | <b>4,665</b>                | <b>129</b>          | <b>25</b>    | <b>-</b>                  | <b>-</b>                         | <b>241</b>                                   |
| Balonne (S)                                          | 1,608                       | 43                  | 25           | -                         | -                                | 27                                           |
| Bendemere (S)                                        | 982                         | 24                  | -            | -                         | -                                | 206                                          |
| Booringa (S)                                         | 120                         | 3                   | -            | -                         | -                                | -                                            |
| Bungil (S)                                           | 1,348                       | 42                  | -            | -                         | -                                | 8                                            |
| Warroo (S)                                           | 607                         | 17                  | -            | -                         | -                                | -                                            |
| <b>FITZROY</b>                                       | <b>16,428</b>               | <b>237</b>          | <b>636</b>   | <b>6</b>                  | <b>61</b>                        | <b>202</b>                                   |
| Banana (S)                                           | 8,908                       | 91                  | 292          | 6                         | 21                               | 107                                          |
| Bauhinia (S)                                         | 1,264                       | -                   | 178          | -                         | 23                               | -                                            |
| Duaringa (S)                                         | 1,035                       | 22                  | 2            | -                         | -                                | 30                                           |
| Emerald (S)                                          | 2,061                       | 91                  | 141          | -                         | -                                | -                                            |
| Livingstone (S)                                      | 102                         | 1                   | 8            | -                         | -                                | 2                                            |
| Peak Downs (S)                                       | 3,058                       | 32                  | 15           | -                         | 17                               | 63                                           |
| <b>CENTRAL-WEST</b>                                  | <b>-</b>                    | <b>-</b>            | <b>-</b>     | <b>-</b>                  | <b>-</b>                         | <b>-</b>                                     |
| <b>MACKAY</b>                                        | <b>1,862</b>                | <b>29</b>           | <b>-</b>     | <b>-</b>                  | <b>-</b>                         | <b>85</b>                                    |
| Belyando (S)                                         | 1,862                       | 29                  | -            | -                         | -                                | 85                                           |
| <b>NORTHERN</b>                                      | <b>-</b>                    | <b>-</b>            | <b>-</b>     | <b>-</b>                  | <b>-</b>                         | <b>-</b>                                     |
| <b>FAR NORTH</b>                                     | <b>10</b>                   | <b>-</b>            | <b>3</b>     | <b>-</b>                  | <b>-</b>                         | <b>-</b>                                     |
| <b>NORTH-WEST</b>                                    | <b>-</b>                    | <b>-</b>            | <b>-</b>     | <b>-</b>                  | <b>-</b>                         | <b>-</b>                                     |
| <b>QUEENSLAND</b>                                    | <b>140,974</b>              | <b>3,325</b>        | <b>3,922</b> | <b>522</b>                | <b>2,029</b>                     | <b>2,520</b>                                 |

TABLE 11 - PASTURE (NATIVE OR SOWN): AREA FERTILISED AND TYPE AND QUANTITY OF FERTILISER USED  
IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| STATISTICAL DIVISION<br>and<br>local government area | Quantity of fertiliser used |                     |               |                           |                                  |                                              |
|------------------------------------------------------|-----------------------------|---------------------|---------------|---------------------------|----------------------------------|----------------------------------------------|
|                                                      | Area<br>fertilised          | Super-<br>phosphate | Urea          | Sulphate<br>of<br>ammonia | Other<br>straight<br>nitrogenous | Other<br>artificial<br>including<br>mixtures |
|                                                      | hectares                    | tonnes              | tonnes        | tonnes                    | tonnes                           | tonnes                                       |
| <b>MORETON AND BRISBANE</b>                          | <b>32,867</b>               | <b>5,000</b>        | <b>5,320</b>  | <b>752</b>                | <b>278</b>                       | <b>1,794</b>                                 |
| Albert (S)                                           | 2,043                       | 309                 | 280           | 17                        | 11                               | 72                                           |
| Beaudesert (S)                                       | 5,929                       | 664                 | 935           | 170                       | 9                                | 266                                          |
| Boonah (S)                                           | 1,386                       | 93                  | 295           | 78                        | 12                               | 83                                           |
| Caboolture (S)                                       | 3,199                       | 681                 | 322           | 13                        | 45                               | 115                                          |
| Esk (S)                                              | 1,801                       | 259                 | 333           | 53                        | 44                               | 86                                           |
| Kilcoy (S)                                           | 2,668                       | 364                 | 320           | 4                         | 1                                | 47                                           |
| Landsborough (S)                                     | 4,306                       | 607                 | 655           | 54                        | 40                               | 351                                          |
| Maroochy (S)                                         | 2,448                       | 376                 | 493           | 64                        | 20                               | 112                                          |
| Moreton (S)                                          | 1,620                       | 223                 | 523           | 166                       | 12                               | 156                                          |
| Woosa (S)                                            | 2,773                       | 656                 | 272           | 17                        | 24                               | 146                                          |
| Pine Rivers (S)                                      | 2,414                       | 473                 | 323           | 10                        | 16                               | 96                                           |
| Other                                                | 2,279                       | 295                 | 567           | 108                       | 45                               | 265                                          |
| <b>WIDE BAY-BURNETT</b>                              | <b>40,313</b>               | <b>5,117</b>        | <b>3,003</b>  | <b>164</b>                | <b>320</b>                       | <b>1,718</b>                                 |
| Gooburrum (S)                                        | 1,734                       | 235                 | 64            | 6                         | 4                                | 53                                           |
| Hervey Bay (C)                                       | 2,319                       | 305                 | 46            | 1                         | 4                                | 89                                           |
| Isis (S)                                             | 1,738                       | 279                 | 52            | 9                         | -                                | 67                                           |
| Kilkivan (S)                                         | 2,108                       | 240                 | 175           | 15                        | 16                               | 84                                           |
| Kingaroy (S)                                         | 1,443                       | 100                 | 26            | 1                         | -                                | 112                                          |
| Kolan (S)                                            | 1,568                       | 150                 | 65            | 1                         | 8                                | 19                                           |
| Miriam Vale (S)                                      | 3,303                       | 451                 | 94            | 20                        | 7                                | 62                                           |
| Monto (S)                                            | 2,126                       | 16                  | 288           | -                         | 2                                | 13                                           |
| Tiaro (S)                                            | 3,129                       | 358                 | 308           | 15                        | 21                               | 54                                           |
| Widgee (S)                                           | 11,459                      | 2,057               | 1,204         | 56                        | 225                              | 726                                          |
| Wondai (S)                                           | 1,495                       | 74                  | 64            | 3                         | 2                                | 97                                           |
| Woorcoo (S)                                          | 1,533                       | 126                 | 52            | 4                         | 7                                | 33                                           |
| Other                                                | 6,359                       | 728                 | 565           | 34                        | 25                               | 310                                          |
| <b>DARLING DOWNS</b>                                 | <b>24,631</b>               | <b>2,735</b>        | <b>1,267</b>  | <b>184</b>                | <b>172</b>                       | <b>702</b>                                   |
| Crow's Nest (S)                                      | 3,083                       | 738                 | 133           | 19                        | 10                               | 423                                          |
| Glengallan (S)                                       | 1,394                       | 164                 | 77            | 50                        | 34                               | 11                                           |
| Rosalie (S)                                          | 1,350                       | 171                 | 250           | 21                        | 22                               | 31                                           |
| Rosenthal (S)                                        | 2,232                       | 263                 | 14            | 5                         | 12                               | 14                                           |
| Stanthorpe (S)                                       | 8,747                       | 877                 | 120           | -                         | 1                                | 48                                           |
| Wambo (S)                                            | 1,849                       | 66                  | 99            | 4                         | 29                               | 45                                           |
| Other                                                | 5,976                       | 458                 | 575           | 86                        | 64                               | 131                                          |
| <b>SOUTH-WEST</b>                                    | <b>605</b>                  | <b>8</b>            | <b>8</b>      | <b>-</b>                  | <b>5</b>                         | <b>-</b>                                     |
| <b>FITZROY</b>                                       | <b>8,486</b>                | <b>400</b>          | <b>549</b>    | <b>34</b>                 | <b>23</b>                        | <b>159</b>                                   |
| Banana (S)                                           | 2,871                       | 93                  | 220           | 1                         | 5                                | 14                                           |
| Livingstone (S)                                      | 1,639                       | 141                 | 128           | 6                         | 7                                | 101                                          |
| Other                                                | 3,975                       | 167                 | 201           | 27                        | 11                               | 44                                           |
| <b>CENTRAL-WEST</b>                                  | <b>76</b>                   | <b>9</b>            | <b>1</b>      | <b>-</b>                  | <b>-</b>                         | <b>2</b>                                     |
| <b>MACKAY</b>                                        | <b>1,499</b>                | <b>1,284</b>        | <b>593</b>    | <b>9</b>                  | <b>18</b>                        | <b>372</b>                                   |
| Broadsound (S)                                       | 2,575                       | 213                 | 22            | 1                         | -                                | 11                                           |
| Mirani (S)                                           | 2,537                       | 161                 | 274           | 2                         | 4                                | 244                                          |
| Sarina (S)                                           | 3,164                       | 470                 | 175           | -                         | -                                | 93                                           |
| Other                                                | 3,224                       | 442                 | 121           | 6                         | 14                               | 25                                           |
| <b>NORTHERN</b>                                      | <b>5,098</b>                | <b>564</b>          | <b>262</b>    | <b>4</b>                  | <b>25</b>                        | <b>29</b>                                    |
| Dalrymple (S)                                        | 1,885                       | 210                 | 23            | 1                         | -                                | 3                                            |
| Hinchinbrook (S)                                     | 1,299                       | 225                 | 150           | 3                         | 3                                | 12                                           |
| Other                                                | 1,914                       | 129                 | 89            | -                         | 22                               | 15                                           |
| <b>FAR NORTH</b>                                     | <b>28,562</b>               | <b>5,627</b>        | <b>2,831</b>  | <b>98</b>                 | <b>153</b>                       | <b>5,270</b>                                 |
| Atherton (S)                                         | 1,674                       | 250                 | 253           | 5                         | 20                               | 185                                          |
| Cardwell (S)                                         | 3,582                       | 404                 | 40            | -                         | 9                                | 3,124                                        |
| Cook (S)                                             | 1,985                       | 272                 | 87            | -                         | 43                               | 56                                           |
| Eacham (S)                                           | 12,576                      | 3,491               | 1,827         | 51                        | 39                               | 1,530                                        |
| Herberton (S)                                        | 1,474                       | 445                 | 338           | 1                         | 6                                | 159                                          |
| Johnstone (S)                                        | 1,511                       | 323                 | 210           | 5                         | 20                               | 64                                           |
| Mareeba (S)                                          | 4,339                       | 364                 | 66            | 29                        | 16                               | 53                                           |
| Other                                                | 1,411                       | 79                  | 9             | 8                         | -                                | 98                                           |
| <b>NORTH-WEST</b>                                    | <b>1,010</b>                | <b>250</b>          | <b>1</b>      | <b>-</b>                  | <b>-</b>                         | <b>-</b>                                     |
| <b>QUEENSLAND</b>                                    | <b>153,136</b>              | <b>20,994</b>       | <b>13,834</b> | <b>1,244</b>              | <b>994</b>                       | <b>10,045</b>                                |

**TABLE 12 - TOTAL CROPS AND PASTURE: AREA FERTILISED AND TYPE AND QUANTITY OF FERTILISER USED  
IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87**

| STATISTICAL DIVISION<br>and<br>local government area | Quantity of fertiliser used    |                               |                |                                     |                                                 |                                                        | Estab-<br>lishments<br>using<br>fertiliser |
|------------------------------------------------------|--------------------------------|-------------------------------|----------------|-------------------------------------|-------------------------------------------------|--------------------------------------------------------|--------------------------------------------|
|                                                      | Area<br>fertilised<br>hectares | Super-<br>phosphate<br>tonnes | Urea<br>tonnes | Sulphate<br>of<br>ammonia<br>tonnes | Other<br>straight<br>nitro-<br>genous<br>tonnes | Other<br>artificial<br>including<br>mixtures<br>tonnes |                                            |
| <b>MORETON AND BRISBANE</b>                          | <b>71,424</b>                  | <b>7,748</b>                  | <b>13,467</b>  | <b>3,330</b>                        | <b>3,610</b>                                    | <b>15,219</b>                                          | <b>2,326</b>                               |
| Albert (S)                                           | 5,581                          | 464                           | 939            | 84                                  | 591                                             | 1,112                                                  | 162                                        |
| Beaudesert (S)                                       | 8,738                          | 881                           | 1,525          | 357                                 | 92                                              | 468                                                    | 212                                        |
| Boonah (S)                                           | 3,964                          | 215                           | 789            | 259                                 | 60                                              | 669                                                    | 141                                        |
| Brisbane (C)                                         | 1,047                          | 100                           | 386            | 37                                  | 80                                              | 430                                                    | 81                                         |
| Caboolture (S)                                       | 5,233                          | 951                           | 882            | 239                                 | 174                                             | 1,882                                                  | 201                                        |
| Esk (S)                                              | 5,833                          | 505                           | 1,007          | 206                                 | 229                                             | 912                                                    | 171                                        |
| Gatton (S)                                           | 5,496                          | 333                           | 1,365          | 607                                 | 600                                             | 1,151                                                  | 178                                        |
| Gold Coast (C)                                       | 2                              | -                             | -              | -                                   | -                                               | 3                                                      | 1                                          |
| Ipswich (C)                                          | -                              | -                             | -              | -                                   | -                                               | -                                                      | -                                          |
| Kilcoy (S)                                           | 2,867                          | 401                           | -              | -                                   | -                                               | -                                                      | -                                          |
| Laidley (S)                                          | 5,395                          | 302                           | 333            | 6                                   | 1                                               | 66                                                     | 39                                         |
| Landsborough (S)                                     | 6,601                          | 972                           | 1,044          | 462                                 | 513                                             | 1,257                                                  | 170                                        |
| Logan (C)                                            | 125                            | 14                            | 1,333          | 328                                 | 178                                             | 2,289                                                  | 202                                        |
| Maroochy (S)                                         | 8,690                          | 837                           | 1,752          | 4                                   | 16                                              | 21                                                     | 16                                         |
| Moreton (S)                                          | 4,617                          | 379                           | 983            | 289                                 | 749                                             | 2,978                                                  | 360                                        |
| Noosa (S)                                            | 3,345                          | 752                           | 382            | 215                                 | 83                                              | 412                                                    | 138                                        |
| Pine Rivers (S)                                      | 3,187                          | 566                           | 612            | 98                                  | 89                                              | 380                                                    | 76                                         |
| Redcliffe (C)                                        | -                              | -                             | -              | 25                                  | 101                                             | 544                                                    | 93                                         |
| Redland (S)                                          | 726                            | 74                            | 124            | 35                                  | 56                                              | 646                                                    | 85                                         |
| <b>WIDE BAY-BURNETT</b>                              | <b>171,007</b>                 | <b>11,566</b>                 | <b>15,230</b>  | <b>1,746</b>                        | <b>4,652</b>                                    | <b>32,679</b>                                          | <b>2,690</b>                               |
| Biggenden (S)                                        | 2,035                          | 136                           | 119            | -                                   | 6                                               | 139                                                    | 44                                         |
| Bundaberg (C)                                        | 170                            | 9                             | 19             | -                                   | -                                               | 93                                                     | 4                                          |
| Eidsvold (S)                                         | 1,249                          | 21                            | 92             | 3                                   | -                                               | 40                                                     | 17                                         |
| Gayndah (S)                                          | 4,220                          | 305                           | 465            | 7                                   | 197                                             | 349                                                    | 65                                         |
| Gooburrum (S)                                        | 21,409                         | 1,416                         | 2,743          | 295                                 | 755                                             | 8,120                                                  | 363                                        |
| Gympie (C)                                           | -                              | -                             | -              | -                                   | -                                               | -                                                      | -                                          |
| Hervey Bay (C)                                       | 4,550                          | 498                           | 486            | 94                                  | 73                                              | 886                                                    | 73                                         |
| Isis (S)                                             | 13,969                         | 918                           | 1,419          | 189                                 | 366                                             | 4,635                                                  | 182                                        |
| Kilkivan (S)                                         | 6,181                          | 480                           | 610            | 78                                  | 83                                              | 335                                                    | 124                                        |
| Kingaroy (S)                                         | 26,051                         | 1,051                         | 450            | 20                                  | 411                                             | 2,529                                                  | 255                                        |
| Kolan (S)                                            | 7,419                          | 425                           | 581            | 56                                  | 267                                             | 2,412                                                  | 123                                        |
| Maryborough (C)                                      | 1,495                          | 172                           | 149            | 8                                   | 5                                               | 305                                                    | 32                                         |
| Miriam Vale (S)                                      | 3,780                          | 488                           | 122            | 68                                  | 235                                             | 190                                                    | 49                                         |
| Monto (S)                                            | 6,671                          | 102                           | 726            | 4                                   | 8                                               | 69                                                     | 103                                        |
| Mundubbera (S)                                       | 4,315                          | 229                           | 517            | 85                                  | 49                                              | 472                                                    | 62                                         |
| Murgon (S)                                           | 7,071                          | 282                           | 504            | 80                                  | 23                                              | 427                                                    | 83                                         |
| Nanango (S)                                          | 5,727                          | 265                           | 340            | 62                                  | 221                                             | 239                                                    | 93                                         |
| Perry (S)                                            | 464                            | 37                            | 2              | 4                                   | -                                               | -                                                      | 6                                          |
| Tiaro (S)                                            | 5,240                          | 466                           | 621            | 41                                  | 152                                             | 708                                                    | 115                                        |
| Widgee (S)                                           | 15,065                         | 2,423                         | 2,143          | 226                                 | 348                                             | 2,229                                                  | 324                                        |
| Wondai (S)                                           | 15,759                         | 561                           | 548            | 33                                  | 201                                             | 1,268                                                  | 156                                        |
| Woochoo (S)                                          | 4,400                          | 237                           | 359            | 58                                  | 203                                             | 1,227                                                  | 87                                         |
| Woongarra (S)                                        | 13,771                         | 1,043                         | 2,216          | 336                                 | 1,050                                           | 6,008                                                  | 330                                        |
| <b>DARLING DOWNS</b>                                 | <b>480,509</b>                 | <b>15,237</b>                 | <b>25,066</b>  | <b>2,434</b>                        | <b>13,884</b>                                   | <b>10,820</b>                                          | <b>2,977</b>                               |
| Allora (S)                                           | 10,474                         | 214                           | 623            | 153                                 | 425                                             | 312                                                    | 105                                        |
| Cambooya (S)                                         | 11,615                         | 228                           | 1,114          | 27                                  | 219                                             | 496                                                    | 125                                        |
| Chinchilla (S)                                       | 22,814                         | 573                           | 574            | 23                                  | 297                                             | 445                                                    | 114                                        |
| Clifton (S)                                          | 20,261                         | 473                           | 1,327          | 106                                 | 770                                             | 380                                                    | 175                                        |
| Crow's Nest (S)                                      | 6,821                          | 968                           | 404            | 22                                  | 76                                              | 552                                                    | 122                                        |
| Dalby (T)                                            | 1                              | -                             | 1              | -                                   | -                                               | 2                                                      | 1                                          |
| Glengallan (S)                                       | 13,950                         | 647                           | 868            | 104                                 | 417                                             | 539                                                    | 189                                        |
| Goondwindi (T)                                       | -                              | -                             | -              | -                                   | -                                               | -                                                      | -                                          |
| Inglewood (S)                                        | 5,910                          | 297                           | 148            | 11                                  | 35                                              | 401                                                    | 66                                         |
| Jondaryan (S)                                        | 62,948                         | 1,958                         | 6,442          | 722                                 | 2,268                                           | 1,364                                                  | 359                                        |
| Millmerran (S)                                       | 51,684                         | 1,567                         | 3,377          | 152                                 | 1,842                                           | 801                                                    | 187                                        |
| Murilla (S)                                          | 8,357                          | 247                           | 55             | 52                                  | -                                               | 134                                                    | 41                                         |
| Pittsworth (S)                                       | 42,575                         | 1,941                         | 2,846          | 191                                 | 1,516                                           | 357                                                    | 199                                        |
| Rosalie (S)                                          | 25,686                         | 963                           | 1,894          | 381                                 | 517                                             | 553                                                    | 256                                        |
| Rosenthal (S)                                        | 6,500                          | 476                           | 94             | 83                                  | 123                                             | 162                                                    | 78                                         |
| Stanthorpe (S)                                       | 12,857                         | 1,152                         | 518            | 39                                  | 212                                             | 1,520                                                  | 297                                        |
| Tara (S)                                             | 24,472                         | 650                           | 36             | -                                   | 30                                              | 342                                                    | 68                                         |
| Taroom (S)                                           | 1,858                          | 27                            | 31             | -                                   | -                                               | 27                                                     | 22                                         |
| Toowoomba (C)                                        | 45                             | 4                             | 8              | 1                                   | 5                                               | 2                                                      | 6                                          |
| Wagamba (S)                                          | 27,977                         | 830                           | 195            | 45                                  | 645                                             | 436                                                    | 54                                         |
| Wambo (S)                                            | 123,706                        | 2,022                         | 4,512          | 322                                 | 4,488                                           | 1,995                                                  | 513                                        |
| Warwick (C)                                          | -                              | -                             | -              | -                                   | -                                               | -                                                      | -                                          |

TABLE 12 - TOTAL CROPS AND PASTURE: AREA FERTILISED AND TYPE AND QUANTITY OF FERTILISER USED  
IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)

| STATISTICAL DIVISION<br>and<br>Local government area | Quantity of fertiliser used |                     |                |                           |                                       |                                              | Estab-<br>lishments<br>using<br>fertiliser |
|------------------------------------------------------|-----------------------------|---------------------|----------------|---------------------------|---------------------------------------|----------------------------------------------|--------------------------------------------|
|                                                      | Area<br>fertilised          | Super-<br>phosphate | Urea           | Sulphate<br>of<br>ammonia | Other<br>straight<br>nitro-<br>genous | Other<br>artificial<br>including<br>mixtures |                                            |
|                                                      | hectares                    | tonnes              | tonnes         | tonnes                    | tonnes                                | tonnes                                       | No.                                        |
| <b>SOUTH-WEST</b>                                    | <b>14,474</b>               | <b>217</b>          | <b>844</b>     | <b>-</b>                  | <b>991</b>                            | <b>438</b>                                   | <b>74</b>                                  |
| Balonne (S)                                          | 10,065                      | 101                 | 827            | -                         | 985                                   | 219                                          | 44                                         |
| Bendemeer (S)                                        | 1,503                       | 43                  | -              | -                         | 1                                     | 210                                          | 10                                         |
| Booringa (S)                                         | 280                         | 6                   | 4              | -                         | -                                     | -                                            | 3                                          |
| Bulloo (S)                                           | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Bungil (S)                                           | 1,973                       | 43                  | 8              | -                         | 5                                     | 8                                            | 10                                         |
| Murweh (S)                                           | 20                          | -                   | 5              | -                         | -                                     | -                                            | 1                                          |
| Paroo (S)                                            | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Quilpie (S)                                          | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Roma (T)                                             | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Warroo (S)                                           | 694                         | 23                  | -              | -                         | -                                     | 1                                            | 6                                          |
| <b>FITZROY</b>                                       | <b>64,327</b>               | <b>1,767</b>        | <b>4,171</b>   | <b>285</b>                | <b>2,048</b>                          | <b>2,182</b>                                 | <b>491</b>                                 |
| Banana (S)                                           | 26,376                      | 285                 | 1,677          | 17                        | 1,124                                 | 419                                          | 182                                        |
| Bauhinia (S)                                         | 6,070                       | 70                  | 448            | 50                        | 54                                    | 40                                           | 15                                         |
| Calliope (S)                                         | 1,805                       | 145                 | 135            | 32                        | 20                                    | 103                                          | 63                                         |
| Duarlinga (S)                                        | 2,677                       | 52                  | 42             | -                         | -                                     | 52                                           | 11                                         |
| Emerald (S)                                          | 12,905                      | 603                 | 1,180          | 72                        | 487                                   | 633                                          | 45                                         |
| Fitzroy (S)                                          | 3,465                       | 105                 | 146            | 4                         | 16                                    | 89                                           | 43                                         |
| Gladstone (C)                                        | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Jericho (S)                                          | 1                           | 1                   | -              | -                         | -                                     | -                                            | 1                                          |
| Livingstone (S)                                      | 3,954                       | 403                 | 497            | 108                       | 249                                   | 731                                          | 109                                        |
| Mount Morgan (S)                                     | 90                          | 9                   | 23             | 2                         | -                                     | -                                            | 1                                          |
| Peak Downs (S)                                       | 6,957                       | 95                  | 20             | -                         | 99                                    | 103                                          | 19                                         |
| Rockhampton (C)                                      | 27                          | -                   | 4              | -                         | -                                     | 13                                           | 2                                          |
| <b>CENTRAL-WEST</b>                                  | <b>80</b>                   | <b>10</b>           | <b>1</b>       | <b>-</b>                  | <b>1</b>                              | <b>2</b>                                     | <b>3</b>                                   |
| <b>MACKAY</b>                                        | <b>104,860</b>              | <b>5,234</b>        | <b>15,201</b>  | <b>1,579</b>              | <b>8,234</b>                          | <b>32,659</b>                                | <b>1,440</b>                               |
| Belyando (S)                                         | 3,678                       | 44                  | 71             | -                         | -                                     | 108                                          | 9                                          |
| Broadsound (S)                                       | 5,174                       | 362                 | 384            | 33                        | 99                                    | 752                                          | 54                                         |
| Mackay (C)                                           | 327                         | 35                  | 85             | -                         | 13                                    | 73                                           | 8                                          |
| Mirani (S)                                           | 23,453                      | 940                 | 3,344          | 339                       | 1,723                                 | 7,843                                        | 341                                        |
| Nebo (S)                                             | 333                         | 103                 | 67             | 3                         | -                                     | 5                                            | 10                                         |
| Pioneer (S)                                          | 44,358                      | 2,266               | 7,092          | 915                       | 4,452                                 | 16,911                                       | 664                                        |
| Proserpine (S)                                       | 13,951                      | 616                 | 1,525          | 138                       | 1,304                                 | 4,880                                        | 178                                        |
| Sarina (S)                                           | 12,976                      | 868                 | 2,633          | 152                       | 644                                   | 2,089                                        | 176                                        |
| <b>NORTHERN</b>                                      | <b>85,104</b>               | <b>4,932</b>        | <b>27,321</b>  | <b>3,341</b>              | <b>11,361</b>                         | <b>13,432</b>                                | <b>1,428</b>                               |
| Bowen (S)                                            | 3,376                       | 564                 | 325            | 101                       | 294                                   | 934                                          | 105                                        |
| Burdekin (S)                                         | 38,765                      | 1,248               | 13,458         | 1,681                     | 6,447                                 | 2,896                                        | 618                                        |
| Charters Towers (C)                                  | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Dalrymple (S)                                        | 1,976                       | 239                 | 27             | 9                         | -                                     | 22                                           | 21                                         |
| Hinchinbrook (S)                                     | 37,343                      | 2,687               | 12,733         | 1,272                     | 4,311                                 | 8,990                                        | 614                                        |
| Thuringowa (C)                                       | 3,499                       | 180                 | 751            | 277                       | 309                                   | 591                                          | 68                                         |
| Townsville (C)                                       | 145                         | 14                  | 28             | -                         | -                                     | -                                            | 2                                          |
| <b>FAR NORTH</b>                                     | <b>114,016</b>              | <b>14,161</b>       | <b>19,891</b>  | <b>2,624</b>              | <b>7,130</b>                          | <b>43,031</b>                                | <b>2,200</b>                               |
| Atherton (S)                                         | 6,244                       | 947                 | 851            | 30                        | 74                                    | 891                                          | 127                                        |
| Aurukun (S)                                          | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| Cairns (C)                                           | 82                          | -                   | -              | -                         | 67                                    | 22                                           | 3                                          |
| Cardwell (S)                                         | 14,746                      | 1,420               | 2,886          | 325                       | 1,128                                 | 9,801                                        | 241                                        |
| Cook (S)                                             | 2,332                       | 345                 | 114            | -                         | 72                                    | 158                                          | 17                                         |
| Croydon (S)                                          | 300                         | 13                  | -              | -                         | -                                     | -                                            | 1                                          |
| Douglas (S)                                          | 8,674                       | 678                 | 1,472          | 232                       | 324                                   | 3,714                                        | 140                                        |
| Eacham (S)                                           | 13,045                      | 3,538               | 2,036          | 63                        | 45                                    | 1,871                                        | 169                                        |
| Etheridge (S)                                        | 45                          | 5                   | -              | -                         | -                                     | -                                            | 2                                          |
| Herberton (S)                                        | 3,752                       | 748                 | 434            | 11                        | 58                                    | 938                                          | 57                                         |
| Johnstone (S)                                        | 30,373                      | 3,417               | 6,306          | 1,212                     | 3,135                                 | 12,281                                       | 598                                        |
| Marreeba (S)                                         | 9,781                       | 1,030               | 445            | 118                       | 752                                   | 3,451                                        | 388                                        |
| Mulgrave (S)                                         | 24,343                      | 2,019               | 5,348          | 635                       | 1,475                                 | 9,850                                        | 456                                        |
| Torres (S)                                           | 300                         | -                   | -              | -                         | -                                     | 55                                           | 1                                          |
| Weipa (T)                                            | -                           | -                   | -              | -                         | -                                     | -                                            | -                                          |
| <b>NORTH-WEST</b>                                    | <b>1,073</b>                | <b>254</b>          | <b>8</b>       | <b>-</b>                  | <b>-</b>                              | <b>3</b>                                     | <b>6</b>                                   |
| <b>QUEENSLAND</b>                                    | <b>1,106,875</b>            | <b>61,124</b>       | <b>121,199</b> | <b>15,339</b>             | <b>51,912</b>                         | <b>150,465</b>                               | <b>13,635</b>                              |

## 3. IRRIGATION

TABLE 13 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: CROPS AND PASTURE IRRIGATED

| STATISTICAL DIVISION<br>and<br>local government area | Sugar cane    | Grain sorghum | Other cereals | Cotton       | Soybeans     |
|------------------------------------------------------|---------------|---------------|---------------|--------------|--------------|
|                                                      | hectares      | hectares      | hectares      | hectares     | hectares     |
| <b>MORETON AND BRISBANE</b>                          | <b>12</b>     | <b>850</b>    | <b>3,096</b>  | <b>242</b>   | <b>3,009</b> |
| Albert (S)                                           | -             | 2             | 123           | -            | -            |
| Beaudesert (S)                                       | 2             | 54            | 768           | -            | 519          |
| Boonah (S)                                           | -             | 47            | 459           | -            | 840          |
| Brisbane (C)                                         | -             | 4             | 11            | -            | -            |
| Caboolture (S)                                       | -             | -             | 42            | -            | -            |
| Esk (S)                                              | -             | 189           | 440           | -            | 487          |
| Gatton (S)                                           | -             | 103           | 251           | -            | 115          |
| Gold Coast (C)                                       | -             | -             | -             | -            | -            |
| Ipswich (C)                                          | -             | -             | -             | -            | -            |
| Kilcoy (S)                                           | -             | -             | 39            | -            | -            |
| Laidley (S)                                          | -             | 323           | 316           | 242          | 572          |
| Landsborough (S)                                     | -             | -             | 18            | -            | -            |
| Logan (C)                                            | -             | -             | -             | -            | -            |
| Maroochy (S)                                         | 10            | -             | 15            | -            | -            |
| Moreton (S)                                          | -             | 124           | 582           | -            | 477          |
| Noosa (S)                                            | -             | -             | 15            | -            | -            |
| Pine Rivers (S)                                      | -             | 4             | 19            | -            | -            |
| Redcliffe (C)                                        | -             | -             | -             | -            | -            |
| Redland (S)                                          | -             | -             | -             | -            | -            |
| <b>WIDE BAY-BURNETT</b>                              | <b>37,735</b> | <b>1,057</b>  | <b>3,024</b>  | <b>110</b>   | <b>1,998</b> |
| Biggenden (S)                                        | 102           | 19            | -             | -            | -            |
| Bundaberg (C)                                        | -             | -             | -             | -            | -            |
| Eidsvold (S)                                         | -             | 189           | 172           | -            | 56           |
| Gayndah (S)                                          | -             | 44            | 218           | -            | 16           |
| Gooburrum (S)                                        | 16,034        | 14            | 19            | -            | 13           |
| Gympie (C)                                           | -             | -             | -             | -            | -            |
| Hervey Bay (C)                                       | 183           | -             | -             | -            | -            |
| Isis (S)                                             | 4,364         | -             | -             | -            | 30           |
| Kilkivan (S)                                         | -             | 61            | 239           | -            | 285          |
| Kingaroy (S)                                         | -             | 19            | 248           | -            | 258          |
| Kolan (S)                                            | 4,671         | 14            | 154           | -            | 101          |
| Marjborough (C)                                      | 215           | -             | -             | -            | -            |
| Miriam Vale (S)                                      | -             | -             | 39            | -            | -            |
| Monto (S)                                            | -             | 376           | 990           | -            | 476          |
| Mundubbera (S)                                       | -             | 72            | 133           | -            | 45           |
| Murgon (S)                                           | -             | 45            | 266           | -            | 355          |
| Nanango (S)                                          | -             | 52            | 121           | -            | 151          |
| Perry (S)                                            | -             | -             | -             | -            | -            |
| Tiaro (S)                                            | 457           | 21            | 28            | -            | 23           |
| Widgee (S)                                           | -             | -             | 210           | -            | 1            |
| Wondai (S)                                           | -             | 124           | 175           | 110          | 161          |
| Woocoo (S)                                           | 1,760         | -             | 3             | -            | 27           |
| Woongarra (S)                                        | 9,950         | 8             | 8             | -            | -            |
| <b>DARLING DOWNS</b>                                 | <b>-</b>      | <b>8,901</b>  | <b>10,214</b> | <b>8,083</b> | <b>6,014</b> |
| Allora (S)                                           | -             | 48            | 510           | -            | 19           |
| Cambooya (S)                                         | -             | 86            | 242           | -            | -            |
| Chinchilla (S)                                       | -             | 209           | 519           | 106          | 151          |
| Clifton (S)                                          | -             | 263           | 290           | -            | 193          |
| Crow's Nest (S)                                      | -             | -             | 33            | -            | -            |
| Dalby (T)                                            | -             | -             | -             | -            | -            |
| Glengallan (S)                                       | -             | 97            | 369           | -            | 38           |
| Goondiwindi (T)                                      | -             | -             | -             | -            | -            |
| Inglewood (S)                                        | -             | 136           | 1,045         | -            | 470          |
| Jondaryan (S)                                        | -             | 1,961         | 2,897         | 505          | 1,817        |
| Millmerran (S)                                       | -             | 2,762         | 1,323         | 1,858        | 1,807        |
| Murrilla (S)                                         | -             | 29            | 215           | -            | -            |
| Pittsworth (S)                                       | -             | 2,295         | 1,310         | 806          | 1,150        |
| Rosalie (S)                                          | -             | 87            | 144           | -            | -            |
| Rosenthal (S)                                        | -             | 120           | 289           | -            | 46           |
| Stanthorpe (S)                                       | -             | 18            | 20            | -            | -            |
| Tara (S)                                             | -             | 8             | -             | -            | -            |
| Taroom (S)                                           | -             | -             | 75            | -            | -            |
| Toowoomba (C)                                        | -             | -             | -             | -            | -            |
| Wagamba (S)                                          | -             | 112           | 423           | 2,295        | -            |
| Wambo (S)                                            | -             | 673           | 510           | 2,513        | 323          |
| Warwick (C)                                          | -             | -             | -             | -            | -            |

## IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| Fruit<br>(including<br>grapes) | Vegetables    | Other crops  | Pasture      |              | Total area<br>irrigated | Establishments<br>using<br>irrigation |
|--------------------------------|---------------|--------------|--------------|--------------|-------------------------|---------------------------------------|
|                                |               |              | Lucerne      | Other        |                         |                                       |
| hectares                       | hectares      | hectares     | hectares     | hectares     | hectares                | No.                                   |
| <u>2,411</u>                   | <u>11,660</u> | <u>2,493</u> | <u>6,006</u> | <u>6,961</u> | <u>36,741</u>           | <u>1,776</u>                          |
| 66                             | 34            | 59           | 38           | 260          | 583                     | 63                                    |
| 88                             | 133           | 479          | 1,203        | 1,572        | 4,817                   | 192                                   |
| 7                              | 1,585         | 152          | 821          | 613          | 4,523                   | 145                                   |
| 49                             | 268           | 47           | 33           | 251          | 663                     | 89                                    |
| 301                            | 276           | 98           | 24           | 210          | 951                     | 120                                   |
| 37                             | 1,582         | 577          | 942          | 714          | 4,968                   | 161                                   |
| 230                            | 3,723         | 227          | 1,204        | 173          | 6,026                   | 205                                   |
| -                              | -             | 8            | -            | -            | 8                       | 1                                     |
| -                              | -             | 1            | -            | -            | 1                       | 1                                     |
| -                              | -             | 24           | 44           | 359          | 466                     | 28                                    |
| -                              | 2,739         | 301          | 1,060        | 318          | 5,871                   | 163                                   |
| 498                            | 194           | 71           | 13           | 361          | 1,156                   | 112                                   |
| 9                              | 12            | 10           | -            | 2            | 33                      | 11                                    |
| 738                            | 127           | 96           | 10           | 722          | 1,717                   | 191                                   |
| 15                             | 202           | 201          | 613          | 975          | 3,188                   | 108                                   |
| 225                            | 215           | 52           | -            | 133          | 640                     | 54                                    |
| 47                             | 201           | 5            | 2            | 265          | 543                     | 55                                    |
| -                              | -             | -            | -            | -            | -                       | -                                     |
| 101                            | 369           | 86           | -            | 34           | 590                     | 77                                    |
| <u>2,543</u>                   | <u>3,773</u>  | <u>2,466</u> | <u>3,146</u> | <u>5,961</u> | <u>61,812</u>           | <u>1,638</u>                          |
| 28                             | -             | 14           | 39           | 41           | 243                     | 17                                    |
| -                              | -             | 8            | -            | -            | 8                       | 3                                     |
| 35                             | -             | 62           | 84           | 17           | 614                     | 13                                    |
| 635                            | 21            | 83           | 50           | 97           | 1,164                   | 44                                    |
| 82                             | 827           | 47           | 10           | 388          | 17,433                  | 326                                   |
| 2                              | -             | -            | -            | -            | 2                       | 1                                     |
| 92                             | 12            | 87           | -            | 8            | 382                     | 22                                    |
| 215                            | 124           | 94           | 2            | 26           | 4,855                   | 97                                    |
| 95                             | 21            | 292          | 875          | 310          | 2,177                   | 82                                    |
| 16                             | -             | 182          | 23           | 410          | 1,156                   | 23                                    |
| 16                             | 71            | 149          | -            | 174          | 5,350                   | 100                                   |
| -                              | 15            | 1            | -            | -            | 231                     | 12                                    |
| -                              | 22            | 49           | -            | 89           | 199                     | 20                                    |
| -                              | -             | 489          | 1,003        | 391          | 3,725                   | 93                                    |
| 487                            | 49            | 110          | 239          | 855          | 1,990                   | 44                                    |
| -                              | 39            | 167          | 225          | 31           | 1,127                   | 37                                    |
| -                              | 6             | 214          | 377          | 196          | 1,117                   | 46                                    |
| -                              | -             | -            | -            | -            | -                       | -                                     |
| 167                            | 196           | 31           | 61           | 685          | 1,668                   | 71                                    |
| 604                            | 1,154         | 63           | 106          | 2,021        | 4,159                   | 230                                   |
| 16                             | 22            | 227          | 43           | 45           | 922                     | 25                                    |
| 40                             | 7             | 8            | -            | 55           | 1,899                   | 48                                    |
| 14                             | 1,188         | 90           | 11           | 124          | 11,392                  | 284                                   |
| <u>2,017</u>                   | <u>1,338</u>  | <u>6,599</u> | <u>4,157</u> | <u>2,973</u> | <u>50,296</u>           | <u>1,073</u>                          |
| -                              | 40            | 96           | 298          | 219          | 1,230                   | 46                                    |
| -                              | 226           | 274          | 262          | 110          | 1,200                   | 43                                    |
| 12                             | 71            | 311          | 32           | 114          | 1,524                   | 34                                    |
| -                              | 105           | 420          | 137          | 122          | 1,530                   | 58                                    |
| 106                            | 7             | 22           | 59           | 51           | 278                     | 37                                    |
| -                              | -             | 1            | -            | -            | 1                       | 1                                     |
| 56                             | 240           | 119          | 517          | 311          | 1,747                   | 67                                    |
| -                              | -             | -            | -            | -            | -                       | -                                     |
| 17                             | 19            | 284          | 1,055        | 626          | 3,650                   | 72                                    |
| 7                              | 48            | 837          | 593          | 233          | 8,897                   | 153                                   |
| -                              | 8             | 1,448        | 15           | 48           | 9,268                   | 45                                    |
| -                              | 1             | 189          | 32           | 36           | 502                     | 12                                    |
| -                              | -             | 1,320        | 118          | 58           | 7,057                   | 60                                    |
| -                              | 94            | 407          | 172          | 407          | 903                     | 60                                    |
| 25                             | 64            | 83           | 335          | 293          | 1,254                   | 37                                    |
| 1,711                          | 464           | 46           | 21           | 171          | 2,449                   | 243                                   |
| 2                              | 1             | -            | -            | 11           | 22                      | 3                                     |
| -                              | 1             | 80           | 13           | 105          | 274                     | 8                                     |
| 3                              | 33            | 3            | -            | -            | 39                      | 8                                     |
| 40                             | -             | 260          | 108          | 170          | 3,408                   | 18                                    |
| 39                             | 6             | 715          | 151          | 123          | 5,053                   | 66                                    |
| -                              | 5             | 1            | 5            | -            | 11                      | 2                                     |

TABLE 13 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: CROPS AND PASTURE IRRIGATED

| STATISTICAL DIVISION<br>and<br>local government area | Sugar cane | Grain sorghum | Other cereals | Cotton   | Soybeans |
|------------------------------------------------------|------------|---------------|---------------|----------|----------|
|                                                      | hectares   | hectares      | hectares      | hectares | hectares |
| <b>SOUTH-WEST</b>                                    | -          | 95            | 690           | 7,551    | 1,189    |
| Batonne (S)                                          | -          | 95            | 690           | 7,551    | 1,189    |
| Bendemere (S)                                        | -          | -             | -             | -        | -        |
| Booringa (S)                                         | -          | -             | -             | -        | -        |
| Bulloo (S)                                           | -          | -             | -             | -        | -        |
| Bungil (S)                                           | -          | -             | -             | -        | -        |
| Murweh (S)                                           | -          | -             | -             | -        | -        |
| Paroo (S)                                            | -          | -             | -             | -        | -        |
| Quilpie (S)                                          | -          | -             | -             | -        | -        |
| Roma (T)                                             | -          | -             | -             | -        | -        |
| Warroo (S)                                           | -          | -             | -             | -        | -        |
| <b>FITZROY</b>                                       | -          | 1,701         | 4,781         | 8,323    | 1,716    |
| Banana (S)                                           | -          | 1,114         | 2,574         | 3,396    | 147      |
| Bauhinia (S)                                         | -          | -             | 555           | -        | -        |
| Calliope (S)                                         | -          | 15            | 123           | -        | -        |
| Duarina (S)                                          | -          | 75            | 342           | -        | -        |
| Emerald (S)                                          | -          | 425           | 883           | 4,913    | 1,569    |
| Fitzroy (S)                                          | -          | 20            | 219           | 15       | -        |
| Gladstone (C)                                        | -          | -             | -             | -        | -        |
| Jericho (S)                                          | -          | -             | -             | -        | -        |
| Livingstone (S)                                      | -          | 51            | 30            | -        | -        |
| Mount Morgan (S)                                     | -          | -             | 55            | -        | -        |
| Peak Downs (S)                                       | -          | -             | -             | -        | -        |
| Rockhampton (C)                                      | -          | -             | -             | -        | -        |
| <b>CENTRAL-WEST</b>                                  | -          | -             | 4             | -        | -        |
| <b>MACKAY</b>                                        | 31,018     | -             | 17            | -        | -        |
| Belyando (S)                                         | -          | -             | -             | -        | -        |
| Broadsound (S)                                       | -          | 256           | -             | -        | -        |
| Mackay (C)                                           | -          | 248           | -             | -        | -        |
| Miraní (S)                                           | 7,585      | -             | -             | -        | -        |
| Nebo (S)                                             | -          | -             | 15            | -        | -        |
| Pioneer (S)                                          | 15,321     | -             | -             | -        | -        |
| Proserpine (S)                                       | 5,760      | -             | -             | -        | -        |
| Sarina (S)                                           | 848        | -             | 2             | -        | -        |
| <b>NORTHERN</b>                                      | 35,870     | 73            | 1,953         | -        | 112      |
| Bowen (S)                                            | -          | 2             | -             | -        | -        |
| Burdekin (S)                                         | 33,231     | 71            | 1,848         | -        | 112      |
| Charters Towers (C)                                  | -          | -             | -             | -        | -        |
| Dalrymple (S)                                        | -          | -             | -             | -        | -        |
| Hinchinbrook (S)                                     | 819        | -             | 85            | -        | -        |
| Thuringowa (C)                                       | 1,821      | -             | 20            | -        | -        |
| Townsville (C)                                       | -          | -             | -             | -        | -        |
| <b>FAR NORTH</b>                                     | 1,621      | 5             | 1,369         | -        | -        |
| Atherton (S)                                         | -          | -             | 81            | -        | -        |
| Aurukun (S)                                          | -          | -             | -             | -        | -        |
| Cairns (C)                                           | -          | -             | -             | -        | -        |
| Cardwell (S)                                         | 3          | -             | -             | -        | -        |
| Cook (S)                                             | -          | -             | -             | -        | -        |
| Croydon (S)                                          | -          | -             | -             | -        | -        |
| Douglas (S)                                          | 137        | -             | -             | -        | -        |
| Eacham (S)                                           | -          | 5             | 20            | -        | -        |
| Etheridge (S)                                        | -          | -             | -             | -        | -        |
| Herberton (S)                                        | -          | -             | 81            | -        | -        |
| Johnstone (S)                                        | 5          | -             | -             | -        | -        |
| Mareeba (S)                                          | -          | -             | 1,187         | -        | -        |
| Mulgrave (S)                                         | 1,476      | -             | -             | -        | -        |
| Torres (S)                                           | -          | -             | -             | -        | -        |
| Weipa (T)                                            | -          | -             | -             | -        | -        |
| <b>NORTH-WEST</b>                                    | -          | 20            | -             | -        | -        |
| <b>QUEENSLAND</b>                                    | 106,255    | 12,701        | 25,147        | 24,310   | 14,037   |

## IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)

| Fruit<br>(including<br>grapes) | Vegetables | Other crops | Pasture  |          | Total area<br>irrigated | Establishments<br>using<br>irrigation |
|--------------------------------|------------|-------------|----------|----------|-------------------------|---------------------------------------|
|                                |            |             | Lucerne  | Other    |                         |                                       |
| hectares                       | hectares   | hectares    | hectares | hectares | hectares                | No.                                   |
| 9                              | 11         | 292         | 49       | 1,283    | 11,169                  | 55                                    |
| 6                              | 11         | 292         | 28       | 20       | 9,882                   | 48                                    |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| -                              | -          | -           | 17       | -        | 17                      | 1                                     |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 2                              | -          | -           | -        | 6        | 8                       | 2                                     |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| -                              | -          | -           | 4        | 1,000    | 1,004                   | 2                                     |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 1                              | -          | -           | -        | 257      | 258                     | 2                                     |
| 313                            | 252        | 3,472       | 1,906    | 1,684    | 24,147                  | 394                                   |
| -                              | 22         | 2,083       | 1,687    | 582      | 11,605                  | 183                                   |
| -                              | -          | -           | 20       | 42       | 617                     | 7                                     |
| 137                            | 14         | 117         | 82       | 169      | 657                     | 53                                    |
| -                              | -          | 183         | 4        | 54       | 658                     | 11                                    |
| -                              | 2          | 742         | 24       | 394      | 8,950                   | 42                                    |
| 41                             | 78         | 92          | 63       | 161      | 689                     | 36                                    |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 126                            | 118        | 116         | 19       | 275      | 736                     | 56                                    |
| -                              | -          | 28          | 7        | -        | 90                      | 1                                     |
| -                              | -          | 112         | -        | 7        | 119                     | 3                                     |
| 9                              | 18         | -           | -        | -        | 27                      | 2                                     |
| -                              | -          | 56          | 8        | 90       | 158                     | 4                                     |
| 74                             | 33         | 137         | 42       | 1,008    | 32,328                  | 672                                   |
| -                              | -          | -           | 25       | -        | 25                      | 1                                     |
| -                              | 9          | 75          | 9        | 62       | 411                     | 14                                    |
| -                              | -          | -           | -        | -        | 248                     | 8                                     |
| -                              | 1          | 12          | -        | 359      | 7,957                   | 182                                   |
| -                              | -          | 22          | 8        | 92       | 137                     | 7                                     |
| 23                             | 8          | 1           | -        | 249      | 16,602                  | 323                                   |
| 24                             | 16         | 26          | -        | 32       | 5,859                   | 107                                   |
| 27                             | -          | -           | -        | 213      | 1,090                   | 30                                    |
| 502                            | 4,284      | 883         | 29       | 1,300    | 45,005                  | 843                                   |
| 160                            | 2,587      | 90          | -        | 446      | 3,285                   | 104                                   |
| 143                            | 1,235      | 727         | 11       | 582      | 37,959                  | 600                                   |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 15                             | 23         | 2           | 18       | 137      | 195                     | 12                                    |
| 32                             | 197        | 42          | -        | 53       | 1,228                   | 71                                    |
| 137                            | 220        | 11          | -        | 67       | 2,276                   | 53                                    |
| 16                             | 22         | 10          | -        | 15       | 63                      | 3                                     |
| 3,782                          | 994        | 3,360       | 35       | 2,442    | 13,608                  | 818                                   |
| 359                            | 254        | 245         | 3        | 404      | 1,346                   | 86                                    |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| -                              | -          | 2           | -        | -        | 2                       | 2                                     |
| 1,600                          | 187        | 1           | -        | 20       | 1,810                   | 93                                    |
| 18                             | -          | -           | -        | 24       | 42                      | 5                                     |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 11                             | -          | -           | -        | 16       | 164                     | 10                                    |
| 92                             | 39         | 14          | 25       | 1,048    | 1,243                   | 81                                    |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 59                             | 224        | 134         | -        | 126      | 623                     | 31                                    |
| 747                            | 11         | 296         | -        | -        | 1,059                   | 85                                    |
| 773                            | 269        | 2,655       | 7        | 804      | 5,696                   | 360                                   |
| 123                            | 10         | 14          | -        | -        | 1,623                   | 65                                    |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| -                              | -          | -           | -        | -        | -                       | -                                     |
| 3                              | -          | 56          | 1        | 15       | 95                      | 7                                     |
| 11,654                         | 22,346     | 19,814      | 15,378   | 23,718   | 275,360                 | 7,280                                 |



TABLE 14 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: METHOD USED AND SOURCE OF WATER  
(hectares)

| STATISTICAL DIVISION<br>and<br>local government area | Method used   |                         |                                |              |
|------------------------------------------------------|---------------|-------------------------|--------------------------------|--------------|
|                                                      | Sprays        | Furrows and<br>flooding | Trickle (incl.<br>micro-spray) | Multiple     |
| <b>MORETON AND BRISBANE</b>                          | <b>30,596</b> | <b>786</b>              | <b>1,498</b>                   | <b>2,860</b> |
| Albert (S)                                           | 281           | 2                       | 47                             | 53           |
| Beaudesert (S)                                       | 4,167         | 52                      | 53                             | 545          |
| Boonah (S)                                           | 3,884         | 105                     | 6                              | 528          |
| Brisbane (C)                                         | 385           | 30                      | 56                             | 193          |
| Caboolture (S)                                       | 796           | 4                       | 85                             | 66           |
| Esk (S)                                              | 4,258         | 90                      | 19                             | 601          |
| Gatton (S)                                           | 5,382         | 141                     | 310                            | 194          |
| Gold Coast (C)                                       | -             | -                       | -                              | 8            |
| Ipswich (C)                                          | 1             | -                       | -                              | -            |
| Kilcoy (S)                                           | 409           | -                       | -                              | 57           |
| Laidley (S)                                          | 4,906         | 315                     | 24                             | 627          |
| Landsborough (S)                                     | 826           | 12                      | 212                            | 107          |
| Logan (C)                                            | 15            | -                       | 13                             | 6            |
| Maroochy (S)                                         | 1,054         | -                       | 344                            | 320          |
| Moreton (S)                                          | 2,706         | 29                      | 17                             | 435          |
| Noosa (S)                                            | 448           | -                       | 178                            | 14           |
| Pine Rivers (S)                                      | 441           | 3                       | 30                             | 69           |
| Redcliffe (C)                                        | -             | -                       | -                              | -            |
| Redland (S)                                          | 439           | 4                       | 107                            | 40           |
| <b>WIDE BAY-BURNETT</b>                              | <b>41,154</b> | <b>10,038</b>           | <b>2,900</b>                   | <b>2,720</b> |
| Biggenden (S)                                        | 223           | -                       | 12                             | 8            |
| Bundaberg (C)                                        | -             | 7                       | -                              | -            |
| Eidsvold (S)                                         | 594           | -                       | -                              | 20           |
| Gayndah (S)                                          | 679           | 191                     | 284                            | 11           |
| Gooburrum (S)                                        | 11,571        | 3,714                   | 331                            | 1,818        |
| Gympie (C)                                           | 2             | -                       | -                              | -            |
| Hervey Bay (C)                                       | 280           | -                       | 23                             | 79           |
| Isis (S)                                             | 3,873         | 43                      | 301                            | 638          |
| Kilkivan (S)                                         | 1,835         | 167                     | 84                             | 91           |
| Kingaroy (S)                                         | 606           | 54                      | 17                             | 480          |
| Kolan (S)                                            | 4,095         | 417                     | 54                             | 785          |
| Maryborough (C)                                      | 115           | 24                      | -                              | 92           |
| Miriam Vale (S)                                      | 153           | -                       | 10                             | 36           |
| Monto (S)                                            | 3,261         | 18                      | -                              | 446          |
| Mundubbera (S)                                       | 1,341         | 84                      | 251                            | 314          |
| Murgon (S)                                           | 844           | 217                     | -                              | 66           |
| Nanango (S)                                          | 971           | 29                      | 6                              | 112          |
| Perry (S)                                            | -             | -                       | -                              | -            |
| Tiaro (S)                                            | 970           | 20                      | 166                            | 513          |
| Widgee (S)                                           | 3,097         | 74                      | 512                            | 477          |
| Wondai (S)                                           | 389           | 520                     | 4                              | 10           |
| Woochoo (S)                                          | 1,348         | 222                     | 67                             | 263          |
| Woongarra (S)                                        | 4,911         | 4,238                   | 780                            | 1,465        |
| <b>DARLING DOWNS</b>                                 | <b>17,272</b> | <b>29,028</b>           | <b>1,253</b>                   | <b>2,745</b> |
| Alford (S)                                           | 1,052         | 45                      | -                              | 134          |
| Cambooya (S)                                         | 1,054         | -                       | -                              | 146          |
| Chinchilla (S)                                       | 822           | 614                     | 27                             | 61           |
| Clifton (S)                                          | 1,100         | 108                     | -                              | 322          |
| Crow's Nest (S)                                      | 185           | -                       | 73                             | 21           |
| Dalby (T)                                            | 1             | -                       | -                              | -            |
| Glengallan (S)                                       | 1,502         | 7                       | 56                             | 181          |
| Goondiwindi (T)                                      | -             | -                       | -                              | -            |
| Inglewood (S)                                        | 2,912         | 692                     | 17                             | 29           |
| Jondaryan (S)                                        | 2,583         | 5,835                   | 7                              | 472          |
| Millmerran (S)                                       | 276           | 8,942                   | -                              | 50           |
| Murrilla (S)                                         | 413           | 88                      | -                              | -            |
| Pittsworth (S)                                       | 897           | 5,951                   | -                              | 208          |
| Rosalie (S)                                          | 753           | 22                      | -                              | 129          |
| Rosenthal (S)                                        | 1,004         | 94                      | 5                              | 151          |
| Stanthorpe (S)                                       | 1,281         | 31                      | 979                            | 158          |
| Tara (S)                                             | 20            | -                       | 2                              | -            |
| Taroom (S)                                           | 274           | -                       | -                              | -            |
| Toowoomba (C)                                        | 33            | -                       | 5                              | 1            |
| Waggamba (S)                                         | 562           | 2,151                   | 40                             | 655          |
| Wambo (S)                                            | 542           | 4,448                   | 41                             | 21           |
| Warwick (C)                                          | 5             | -                       | 1                              | 5            |

IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87  
(hectares)

| Source of water              |                            |           |             |             | Total area irrigated |
|------------------------------|----------------------------|-----------|-------------|-------------|----------------------|
| Supplied by irrigation areas | Other streams, lakes, etc. | Farm dams | Underground | Town supply |                      |
| 7,750                        | 8,022                      | 5,092     | 15,526      | 352         | 36,741               |
| -                            | 388                        | 104       | 77          | 14          | 583                  |
| 1,207                        | 2,566                      | 114       | 931         | -           | 4,817                |
| 2,725                        | 771                        | 134       | 893         | -           | 4,523                |
| 6                            | 197                        | 155       | 269         | 35          | 663                  |
| 4                            | 265                        | 654       | 28          | 1           | 951                  |
| 1,701                        | 1,193                      | 236       | 1,554       | 283         | 4,968                |
| -                            | 270                        | 422       | 5,334       | -           | 6,026                |
| -                            | -                          | 8         | -           | -           | 8                    |
| -                            | -                          | -         | -           | 1           | 1                    |
| -                            | 197                        | 8         | 261         | -           | 466                  |
| 385                          | 187                        | 238       | 5,061       | -           | 5,871                |
| -                            | 474                        | 674       | 7           | 1           | 1,156                |
| -                            | 7                          | 23        | 3           | 1           | 33                   |
| -                            | 637                        | 1,038     | 42          | -           | 1,717                |
| 1,699                        | 485                        | 234       | 755         | 15          | 3,188                |
| -                            | 139                        | 500       | 1           | -           | 640                  |
| 22                           | 193                        | 262       | 65          | -           | 543                  |
| -                            | -                          | -         | -           | -           | -                    |
| -                            | 52                         | 290       | 246         | 2           | 590                  |
| 22,349                       | 11,880                     | 8,460     | 19,037      | 88          | 61,812               |
| 62                           | 142                        | 12        | 27          | -           | 243                  |
| -                            | -                          | 7         | -           | -           | 8                    |
| 414                          | 158                        | -         | 43          | -           | 614                  |
| 446                          | 503                        | 207       | 8           | -           | 1,164                |
| 7,976                        | 1,369                      | 2,298     | 5,790       | -           | 17,433               |
| -                            | -                          | 2         | -           | -           | 2                    |
| -                            | 126                        | 239       | 15          | 1           | 382                  |
| 160                          | 1,272                      | 1,502     | 1,921       | -           | 4,855                |
| 55                           | 811                        | -         | 1,311       | -           | 2,177                |
| -                            | 71                         | 589       | 416         | 80          | 1,156                |
| 3,903                        | 1,018                      | 388       | 41          | -           | 5,350                |
| 32                           | 121                        | 54        | 24          | -           | 231                  |
| -                            | 60                         | 104       | 32          | 3           | 199                  |
| 200                          | 104                        | 20        | 3,401       | -           | 3,725                |
| 803                          | 914                        | 62        | 212         | -           | 1,990                |
| 146                          | 638                        | 85        | 259         | -           | 1,127                |
| -                            | 275                        | 69        | 774         | -           | 1,117                |
| -                            | -                          | -         | -           | -           | -                    |
| 196                          | 914                        | 507       | 52          | -           | 1,668                |
| 976                          | 1,515                      | 1,396     | 269         | 4           | 4,159                |
| 52                           | 577                        | 158       | 135         | -           | 922                  |
| 976                          | 392                        | 308       | 224         | -           | 1,899                |
| 5,953                        | 901                        | 455       | 4,083       | -           | 11,392               |
| 7,992                        | 7,204                      | 11,722    | 23,353      | 26          | 50,296               |
| 87                           | 200                        | 145       | 799         | -           | 1,230                |
| -                            | 16                         | 10        | 1,171       | 4           | 1,200                |
| 407                          | 542                        | 575       | -           | -           | 1,524                |
| 135                          | 123                        | 58        | 1,214       | -           | 1,530                |
| -                            | 24                         | 42        | 211         | 1           | 278                  |
| -                            | -                          | 1         | -           | -           | 1                    |
| 6                            | 362                        | 313       | 1,066       | -           | 1,747                |
| -                            | -                          | -         | -           | -           | -                    |
| 2,946                        | 629                        | 34        | 41          | -           | 3,650                |
| -                            | 849                        | 959       | 7,089       | -           | 8,897                |
| 2,199                        | 550                        | 2,927     | 3,593       | -           | 9,268                |
| 80                           | 208                        | 213       | -           | -           | 502                  |
| 426                          | 161                        | 1,186     | 5,283       | -           | 7,057                |
| -                            | 200                        | 51        | 653         | -           | 903                  |
| 127                          | 353                        | 280       | 492         | 3           | 1,254                |
| 20                           | 571                        | 1,811     | 47          | -           | 2,449                |
| -                            | 8                          | 13        | 1           | -           | 22                   |
| 140                          | 3                          | 78        | 53          | -           | 274                  |
| -                            | -                          | 3         | 19          | 17          | 39                   |
| 1,420                        | 1,867                      | -         | 121         | -           | 3,408                |
| -                            | 539                        | 3,019     | 1,495       | -           | 5,053                |
| -                            | -                          | 5         | 5           | 1           | 11                   |

TABLE 14 - IRRIGATION ON AGRICULTURAL ESTABLISHMENTS: METHOD USED AND SOURCE OF WATER  
(hectares)

| STATISTICAL DIVISION<br>and<br>local government area | Method used |                         |                                |          |
|------------------------------------------------------|-------------|-------------------------|--------------------------------|----------|
|                                                      | Sprays      | Furrows and<br>flooding | Trickle (incl.<br>micro-spray) | Multiple |
| <b>SOUTH-WEST</b>                                    |             |                         |                                |          |
| Batonni (S)                                          | 733         | 10,135                  | 127                            | 174      |
| Bendemeer (S)                                        | 449         | 9,135                   | 126                            | 172      |
| Booringa (S)                                         | -           | -                       | -                              | -        |
| Bulloo (S)                                           | 17          | -                       | -                              | -        |
| Bungil (S)                                           | -           | -                       | -                              | -        |
| Murweh (S)                                           | 6           | -                       | -                              | 2        |
| Paroo (S)                                            | -           | -                       | -                              | -        |
| Quilpie (S)                                          | 4           | 1,000                   | -                              | -        |
| Roma (T)                                             | -           | -                       | -                              | -        |
| Warroo (S)                                           | -           | -                       | -                              | -        |
|                                                      | 257         | -                       | 1                              | -        |
| <b>FITZROY</b>                                       |             |                         |                                |          |
| Banana (S)                                           | 10,122      | 12,966                  | 189                            | 871      |
| Bauhinia (S)                                         | 6,732       | 4,436                   | 1                              | 436      |
| Calliope (S)                                         | 228         | 389                     | -                              | -        |
| Duaringa (S)                                         | 555         | 1                       | 71                             | 30       |
| Emerald (S)                                          | 477         | 181                     | -                              | -        |
| Fitzroy (S)                                          | 923         | 7,835                   | -                              | 193      |
| Gladstone (C)                                        | 551         | 90                      | 42                             | 6        |
| Jericho (S)                                          | -           | -                       | -                              | -        |
| Livingstone (S)                                      | -           | -                       | -                              | -        |
| Mount Morgan (S)                                     | 544         | 9                       | 67                             | 116      |
| Peak Downs (S)                                       | -           | -                       | -                              | 90       |
| Rockhampton (C)                                      | 94          | 25                      | -                              | -        |
|                                                      | 18          | -                       | 9                              | -        |
| <b>CENTRAL-WEST</b>                                  |             |                         |                                |          |
|                                                      | 48          | 110                     | -                              | -        |
| <b>MACKAY</b>                                        |             |                         |                                |          |
| Belyando (S)                                         | 18,122      | 10,261                  | 39                             | 3,906    |
| Broadsound (S)                                       | 25          | -                       | -                              | -        |
| Mackay (C)                                           | 230         | 161                     | -                              | 20       |
| Mirani (S)                                           | 86          | 98                      | -                              | 63       |
| Nebo (S)                                             | 4,833       | 1,808                   | -                              | 1,316    |
| Pioneer (S)                                          | 44          | 10                      | -                              | 83       |
| Proserpine (S)                                       | 8,443       | 6,162                   | 18                             | 1,980    |
| Sarina (S)                                           | 3,711       | 1,893                   | 19                             | 236      |
|                                                      | 751         | 128                     | 2                              | 209      |
| <b>NORTHERN</b>                                      |             |                         |                                |          |
| Bowen (S)                                            | 3,432       | 39,027                  | 1,720                          | 827      |
| Burdekin (S)                                         | 391         | 1,448                   | 1,346                          | 100      |
| Charters Towers (C)                                  | 1,546       | 36,025                  | 189                            | 200      |
| Dalrymple (S)                                        | -           | -                       | -                              | -        |
| Hinchinbrook (S)                                     | 169         | 1                       | 24                             | 1        |
| Thuringowa (C)                                       | 825         | 12                      | 109                            | 282      |
| Townsville (C)                                       | 458         | 1,542                   | 40                             | 237      |
|                                                      | 43          | -                       | 13                             | 7        |
| <b>FAR NORTH</b>                                     |             |                         |                                |          |
| Atherton (S)                                         | 8,323       | 1,674                   | 1,453                          | 2,158    |
| Aurukun (S)                                          | 1,009       | 36                      | 223                            | 78       |
| Cairns (C)                                           | -           | -                       | -                              | -        |
| Cardwell (S)                                         | 2           | -                       | -                              | -        |
| Cook (S)                                             | 1,121       | 40                      | 340                            | 309      |
| Croydon (S)                                          | 17          | -                       | 10                             | 15       |
| Douglas (S)                                          | -           | -                       | -                              | -        |
| Eacham (S)                                           | 132         | 16                      | 6                              | 10       |
| Etheridge (S)                                        | 825         | -                       | 81                             | 337      |
| Herberton (S)                                        | -           | -                       | -                              | -        |
| Johnstone (S)                                        | 535         | -                       | 14                             | 74       |
| Mareeba (S)                                          | 395         | 1                       | 238                            | 425      |
| Mulgrave (S)                                         | 3,167       | 1,485                   | 443                            | 601      |
| Torres (S)                                           | 1,120       | 96                      | 99                             | 309      |
| Wepa (T)                                             | -           | -                       | -                              | -        |
| <b>NORTH-WEST</b>                                    |             |                         |                                |          |
|                                                      | 25          | 67                      | 3                              | -        |
| <b>QUEENSLAND</b>                                    |             |                         |                                |          |
|                                                      | 129,826     | 114,091                 | 9,182                          | 22,262   |

IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)  
(hectares)

| Supplied by<br>irrigation areas | Source of water               |           |             |             | Total area<br>irrigated |
|---------------------------------|-------------------------------|-----------|-------------|-------------|-------------------------|
|                                 | Other streams,<br>lakes, etc. | Farm dams | Underground | Town supply |                         |
| 8,093                           | 2,388                         | 605       | 83          | -           | 11,169                  |
| 8,093                           | 1,377                         | 377       | 35          | -           | 9,882                   |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | -                             | -         | 17          | -           | 17                      |
| -                               | 6                             | 2         | -           | -           | 8                       |
| -                               | 1,004                         | -         | -           | -           | 1,004                   |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | 1                             | 226       | 31          | -           | 258                     |
| 9,967                           | 3,289                         | 1,532     | 9,358       | 2           | 24,147                  |
| 1,711                           | 1,266                         | 601       | 8,027       | -           | 11,605                  |
| -                               | -                             | 359       | 258         | -           | 617                     |
| 44                              | 164                           | 129       | 364         | -           | 657                     |
| 8,112                           | 599                           | -         | 15          | -           | 658                     |
| 80                              | 620                           | 218       | -           | -           | 8,950                   |
| -                               | 269                           | 40        | 301         | -           | 689                     |
| -                               | -                             | -         | -           | -           | -                       |
| 19                              | 338                           | 96        | 281         | 2           | 736                     |
| -                               | -                             | -         | 90          | -           | 90                      |
| -                               | 25                            | 90        | 4           | -           | 119                     |
| -                               | 9                             | -         | 18          | -           | 27                      |
| -                               | 48                            | 110       | -           | -           | 158                     |
| 3,178                           | 6,331                         | 2,945     | 19,874      | -           | 32,328                  |
| -                               | -                             | -         | 25          | -           | 25                      |
| -                               | 367                           | 9         | 35          | -           | 411                     |
| 1,631                           | 2,289                         | 660       | 248         | -           | 248                     |
| -                               | 64                            | 10        | 3,378       | -           | 7,957                   |
| 1,547                           | 2,674                         | 1,336     | 63          | -           | 137                     |
| -                               | 774                           | 700       | 11,045      | -           | 16,602                  |
| -                               | 164                           | 230       | 4,304       | -           | 5,859                   |
| -                               | -                             | -         | 697         | -           | 1,090                   |
| 4,851                           | 5,700                         | 392       | 33,993      | 60          | 45,005                  |
| -                               | 498                           | 63        | 2,725       | -           | 3,285                   |
| 4,851                           | 3,739                         | 241       | 29,129      | -           | 37,959                  |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | 59                            | 1         | 135         | -           | 195                     |
| -                               | 722                           | 5         | 442         | 60          | 1,228                   |
| -                               | 652                           | 78        | 1,547       | -           | 2,276                   |
| -                               | 41                            | 6         | 16          | -           | 63                      |
| 5,076                           | 5,890                         | 923       | 1,689       | 19          | 13,608                  |
| 606                             | 377                           | 91        | 272         | -           | 1,346                   |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | -                             | -         | 1           | 1           | 2                       |
| -                               | 1,495                         | 79        | 229         | 8           | 1,810                   |
| -                               | 29                            | -         | 13          | -           | 42                      |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | 84                            | -         | 80          | -           | 164                     |
| 45                              | 975                           | 223       | -           | -           | 1,243                   |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | 374                           | 240       | 9           | -           | 623                     |
| -                               | 933                           | 82        | 44          | -           | 1,059                   |
| 4,425                           | 1,109                         | 115       | 46          | -           | 5,696                   |
| -                               | 514                           | 105       | 995         | 9           | 1,623                   |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | -                             | -         | -           | -           | -                       |
| -                               | 2                             | -         | 86          | -           | 95                      |
| 69,255                          | 50,771                        | 31,792    | 122,997     | 546         | 275,360                 |

DIAGRAM 8 - IRRIGATION: SUGAR CANE AREA IRRIGATED AND METHOD USED IN SELECTED STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

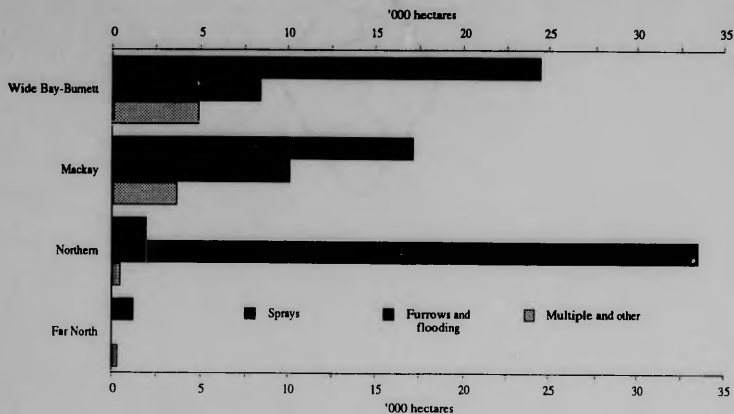


DIAGRAM 9 - IRRIGATION: CEREALS AREA IRRIGATED AND METHOD USED IN SELECTED STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

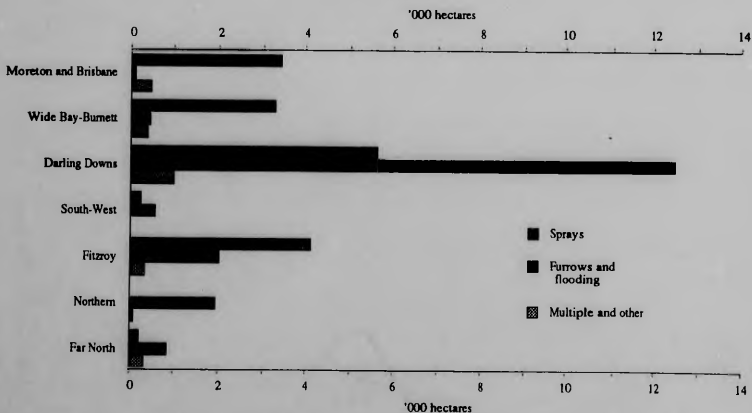


DIAGRAM 10 - IRRIGATION: FRUIT AND VEGETABLES AREA IRRIGATED AND METHOD USED IN SELECTED STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

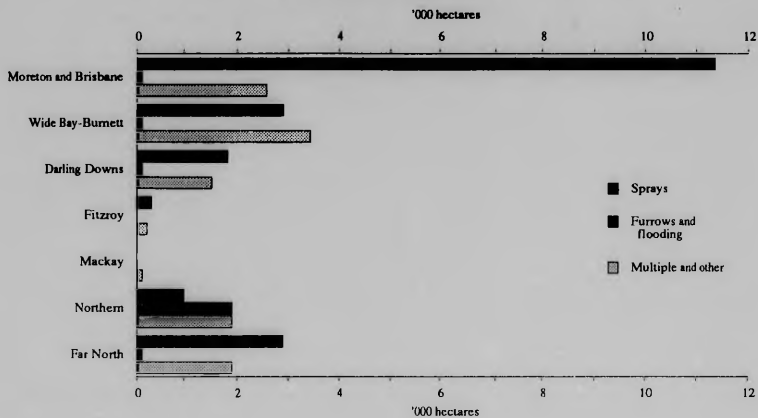


DIAGRAM 11 - IRRIGATION: TOTAL AREA OF CROPS AND PASTURES IRRIGATED AND METHOD USED IN SELECTED STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

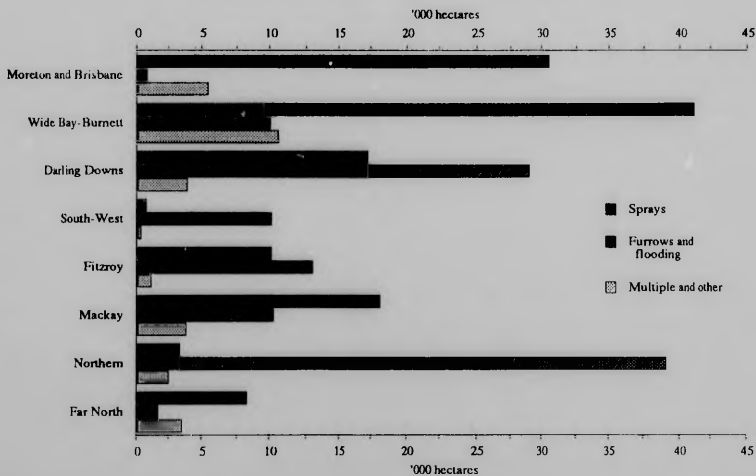


TABLE 15 - AGRICULTURAL ESTABLISHMENTS (a): VALUE OF OPERATIONS

| Estimated value of operations (\$) | Industry class            |                        |                              |                       |       |             |             |
|------------------------------------|---------------------------|------------------------|------------------------------|-----------------------|-------|-------------|-------------|
|                                    | Cereal grain and oilseeds | Sheep and cereal grain | Meat cattle and cereal grain | Sheep and meat cattle | Sheep | Meat cattle | Milk cattle |
| 1-19,999                           | 103                       | 8                      | 97                           | 22                    | 28    | 566         | 31          |
| 20,000-29,999                      | 190                       | 8                      | 170                          | 33                    | 59    | 788         | 152         |
| 30,000-39,999                      | 173                       | 18                     | 172                          | 24                    | 63    | 631         | 227         |
| 40,000-49,999                      | 214                       | 16                     | 143                          | 26                    | 52    | 514         | 291         |
| 50,000-59,999                      | 178                       | 19                     | 142                          | 42                    | 60    | 395         | 297         |
| 60,000-74,999                      | 284                       | 25                     | 156                          | 37                    | 87    | 474         | 402         |
| 75,000-99,999                      | 308                       | 25                     | 178                          | 81                    | 148   | 584         | 428         |
| 100,000-149,999                    | 367                       | 61                     | 201                          | 144                   | 273   | 734         | 334         |
| 150,000-199,999                    | 202                       | 49                     | 134                          | 103                   | 213   | 437         | 82          |
| 200,000 and over                   | 426                       | 106                    | 234                          | 211                   | 317   | 874         | 44          |
| QUEENSLAND                         | 2,445                     | 335                    | 1,627                        | 723                   | 1,300 | 5,997       | 2,288       |

(a) Establishments whose predominant activity is agriculture. An establishment covers all

TABLE 16 - AGRICULTURAL ESTABLISHMENTS (a): SELECTED INDUSTRY CLASS

| STATISTICAL DIVISION and local government area | Industry class            |                        |                              |                       |       |             |             |
|------------------------------------------------|---------------------------|------------------------|------------------------------|-----------------------|-------|-------------|-------------|
|                                                | Cereal grain and oilseeds | Sheep and cereal grain | Meat cattle and cereal grain | Sheep and meat cattle | Sheep | Meat cattle | Milk cattle |
| MORETON AND BRISBANE                           | 54                        | 1                      | 78                           | 1                     | -     | 582         | 760         |
| Albert (S)                                     | -                         | -                      | -                            | -                     | -     | 10          | 55          |
| Beaudesert (S)                                 | 8                         | -                      | 26                           | -                     | -     | 128         | 120         |
| Boonah (S)                                     | 10                        | 1                      | 12                           | -                     | -     | 71          | 59          |
| Brisbane (C)                                   | -                         | -                      | -                            | -                     | -     | 1           | 8           |
| Caboolture (S)                                 | 2                         | -                      | 1                            | -                     | -     | 20          | 53          |
| Esk (S)                                        | 5                         | -                      | 8                            | -                     | -     | 136         | 64          |
| Gatton (S)                                     | 1                         | -                      | 2                            | -                     | -     | 34          | 30          |
| Gold Coast (C)                                 | -                         | -                      | -                            | -                     | -     | -           | -           |
| Ipswich (C)                                    | -                         | -                      | -                            | -                     | -     | 1           | -           |
| Kilcoy (S)                                     | -                         | -                      | 2                            | -                     | -     | 37          | 40          |
| Laidley (S)                                    | 12                        | -                      | 5                            | -                     | -     | 20          | 31          |
| Landsborough (S)                               | -                         | -                      | -                            | -                     | -     | 33          | 72          |
| Logan (C)                                      | -                         | -                      | -                            | -                     | -     | -           | 3           |
| Maroochy (S)                                   | -                         | -                      | -                            | 1                     | -     | 17          | 54          |
| Moreton (S)                                    | 16                        | -                      | 22                           | -                     | -     | 52          | 84          |
| Noosa (S)                                      | -                         | -                      | -                            | -                     | -     | 11          | 29          |
| Pine Rivers (S)                                | -                         | -                      | -                            | -                     | -     | 11          | 58          |
| Redcliffe (C)                                  | -                         | -                      | -                            | -                     | -     | -           | -           |
| Redland (S)                                    | -                         | -                      | -                            | -                     | -     | -           | -           |

## AND SELECTED INDUSTRY CLASS, QUEENSLAND, 1986-87

| Industry class |         |                                     |          |                          |               |         |         |        |                           |        |
|----------------|---------|-------------------------------------|----------|--------------------------|---------------|---------|---------|--------|---------------------------|--------|
| Pigs           | Poultry | Fruit<br>(in-<br>cluding<br>grapes) | Potatoes | Other<br>vege-<br>tables | Sugar<br>cane | Tobacco | Peanuts | Cotton | Other<br>agri-<br>culture | Total  |
| 18             | 4       | 135                                 | 4        | 82                       | 43            | -       | 4       | 1      | 125                       | 1,271  |
| 26             | 2       | 167                                 | 5        | 113                      | 145           | 2       | 21      | 1      | 155                       | 2,037  |
| 49             | 7       | 198                                 | 7        | 96                       | 323           | 2       | 24      | 2      | 147                       | 2,163  |
| 46             | 8       | 144                                 | 15       | 74                       | 483           | 4       | 27      | 3      | 108                       | 2,168  |
| 39             | 13      | 135                                 | 6        | 69                       | 627           | 19      | 30      | 3      | 94                        | 2,158  |
| 62             | 15      | 155                                 | 20       | 79                       | 765           | 31      | 53      | 2      | 76                        | 2,723  |
| 67             | 32      | 177                                 | 24       | 109                      | 991           | 85      | 56      | 8      | 86                        | 3,387  |
| 103            | 52      | 205                                 | 47       | 146                      | 946           | 141     | 96      | 10     | 94                        | 3,954  |
| 51             | 41      | 94                                  | 25       | 86                       | 440           | 35      | 48      | 18     | 41                        | 2,099  |
| 99             | 74      | 195                                 | 68       | 218                      | 372           | 23      | 45      | 106    | 101                       | 3,513  |
| 560            | 248     | 1,605                               | 221      | 1,072                    | 5,135         | 342     | 404     | 154    | 1,017                     | 25,473 |

operations carried out by one enterprise at a single physical location.

## IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87

| Industry class |         |                                     |          |                          |               |         |         |        |                           |       |
|----------------|---------|-------------------------------------|----------|--------------------------|---------------|---------|---------|--------|---------------------------|-------|
| Pigs           | Poultry | Fruit<br>(in-<br>cluding<br>grapes) | Potatoes | Other<br>vege-<br>tables | Sugar<br>cane | Tobacco | Peanuts | Cotton | Other<br>agri-<br>culture | Total |
| 85             | 168     | 618                                 | 169      | 508                      | 195           | 13      | -       | 3      | 465                       | 3,700 |
| 1              | 5       | 36                                  | -        | 8                        | 81            | -       | -       | -      | 39                        | 235   |
| 12             | 22      | 13                                  | -        | 13                       | -             | -       | -       | -      | 44                        | 386   |
| 20             | 2       | -                                   | 26       | 55                       | -             | -       | -       | -      | 17                        | 273   |
| 1              | 29      | 15                                  | 4        | 41                       | -             | -       | -       | -      | 71                        | 170   |
| 6              | 18      | 138                                 | 2        | 20                       | -             | 3       | -       | -      | 26                        | 289   |
| 10             | 2       | 3                                   | 23       | 53                       | -             | -       | -       | -      | 26                        | 330   |
| 9              | 2       | 13                                  | 56       | 109                      | -             | -       | -       | -      | 47                        | 303   |
| -              | -       | 1                                   | -        | -                        | -             | -       | -       | -      | 4                         | 5     |
| -              | -       | 1                                   | -        | -                        | -             | -       | -       | -      | 1                         | 2     |
| 2              | -       | 1                                   | -        | -                        | -             | -       | -       | -      | 5                         | 87    |
| 2              | 3       | -                                   | 48       | 93                       | -             | -       | -       | 3      | 15                        | 232   |
| 1              | 15      | 126                                 | -        | 15                       | -             | 10      | -       | -      | 14                        | 286   |
| 1              | 10      | 5                                   | -        | 4                        | -             | -       | -       | -      | 7                         | 30    |
| 3              | 4       | 179                                 | -        | 15                       | 114           | -       | -       | -      | 43                        | 430   |
| 11             | 4       | 1                                   | 2        | 9                        | -             | -       | -       | -      | 44                        | 245   |
| 1              | 1       | 25                                  | -        | 20                       | -             | -       | -       | -      | 13                        | 100   |
| 1              | 14      | 42                                  | 1        | 8                        | -             | -       | -       | -      | 15                        | 150   |
| -              | 2       | -                                   | -        | -                        | -             | -       | -       | -      | 1                         | 3     |
| 4              | 35      | 20                                  | 7        | 45                       | -             | -       | -       | -      | 33                        | 144   |



TABLE 16 - AGRICULTURAL ESTABLISHMENTS (a): SELECTED INDUSTRY CLASS

| STATISTICAL DIVISION<br>and<br>local government area | Industry class                     |                                 |                                          |                                |            |                |                |
|------------------------------------------------------|------------------------------------|---------------------------------|------------------------------------------|--------------------------------|------------|----------------|----------------|
|                                                      | Cereal<br>grain<br>and<br>oilseeds | Sheep<br>and<br>cereal<br>grain | Meat<br>cattle<br>and<br>cereal<br>grain | Sheep<br>and<br>meat<br>cattle | Sheep      | Meat<br>cattle | Milk<br>cattle |
| <b>WIDE BAY-BURNETT</b>                              | <b>176</b>                         | <b>-</b>                        | <b>160</b>                               | <b>-</b>                       | <b>2</b>   | <b>1,160</b>   | <b>459</b>     |
| Bigoenden (S)                                        | 4                                  | -                               | 6                                        | -                              | -          | 42             | 21             |
| Bundaberg (C)                                        | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| Eidsvold (S)                                         | 3                                  | -                               | 5                                        | -                              | -          | 77             | 2              |
| Gayndah (S)                                          | 6                                  | -                               | 9                                        | -                              | -          | 61             | 9              |
| Gooburrum (S)                                        | -                                  | -                               | -                                        | -                              | -          | 16             | 8              |
| Gympie (C)                                           | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| Hervey Bay (C)                                       | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| Isis (S)                                             | 3                                  | -                               | -                                        | -                              | -          | 10             | 4              |
| Kilkivan (S)                                         | 8                                  | -                               | 11                                       | -                              | -          | 13             | 2              |
| Kingaroy (S)                                         | 49                                 | -                               | 23                                       | -                              | -          | 117            | 38             |
| Kolan (S)                                            | 3                                  | -                               | 1                                        | -                              | -          | 92             | 14             |
| Maryborough (C)                                      | -                                  | -                               | -                                        | -                              | -          | 63             | 4              |
| Miriam Vale (S)                                      | -                                  | -                               | -                                        | -                              | -          | 3              | 2              |
| Monto (S)                                            | 24                                 | -                               | 30                                       | -                              | 1          | 82             | 18             |
| Mundubbera (S)                                       | 3                                  | -                               | 7                                        | -                              | -          | 118            | 41             |
| Murgon (S)                                           | 23                                 | -                               | 9                                        | -                              | -          | 85             | 15             |
| Nanango (S)                                          | 14                                 | -                               | 26                                       | -                              | -          | 25             | 30             |
| Perry (S)                                            | -                                  | -                               | -                                        | -                              | -          | 65             | 32             |
| Tiaro (S)                                            | -                                  | -                               | -                                        | -                              | -          | 46             | -              |
| Widgee (S)                                           | 1                                  | -                               | 1                                        | -                              | -          | 52             | 32             |
| Wondai (S)                                           | 35                                 | -                               | 3                                        | -                              | 1          | 57             | 150            |
| Woorcoo (S)                                          | -                                  | -                               | 29                                       | -                              | -          | 85             | 28             |
| Woongarra (S)                                        | -                                  | -                               | -                                        | -                              | -          | 46             | 8              |
|                                                      |                                    |                                 |                                          |                                |            | 5              | 1              |
| <b>DARLING DOWNS</b>                                 | <b>1,790</b>                       | <b>218</b>                      | <b>872</b>                               | <b>178</b>                     | <b>296</b> | <b>974</b>     | <b>697</b>     |
| Allora (S)                                           | 52                                 | 2                               | 26                                       | -                              | 4          | 17             | 32             |
| Cambooya (S)                                         | 40                                 | -                               | 33                                       | -                              | -          | 16             | 50             |
| Chinchilla (S)                                       | 141                                | 6                               | 64                                       | 8                              | 14         | 116            | 20             |
| Clifton (S)                                          | 120                                | 7                               | 45                                       | 2                              | 1          | 5              | 27             |
| Crow's Nest (S)                                      | 2                                  | -                               | 2                                        | 1                              | -          | 73             | 111            |
| Dalby (T)                                            | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| Glengallan (S)                                       | 68                                 | 3                               | 44                                       | 2                              | 3          | 46             | 67             |
| Goondiwindi (T)                                      | -                                  | -                               | -                                        | -                              | -          | 2              | -              |
| Inglewood (S)                                        | 17                                 | 5                               | 24                                       | 28                             | 79         | 35             | -              |
| Jondaryan (S)                                        | 267                                | 5                               | 35                                       | 2                              | 2          | 19             | 88             |
| Millmerran (S)                                       | 137                                | 14                              | 58                                       | 13                             | 8          | 28             | 2              |
| Murilla (S)                                          | 63                                 | 4                               | 67                                       | 9                              | 6          | 65             | -              |
| Pittsworth (S)                                       | 156                                | 3                               | 39                                       | -                              | -          | 14             | 41             |
| Rosalie (S)                                          | 69                                 | 2                               | 61                                       | -                              | -          | 79             | 214            |
| Rosenthal (S)                                        | 5                                  | -                               | 12                                       | 23                             | 27         | 33             | 10             |
| Stanthorpe (S)                                       | 1                                  | -                               | -                                        | 11                             | 36         | 13             | 1              |
| Tara (S)                                             | 77                                 | 81                              | 60                                       | 40                             | 68         | 45             | -              |
| Taroom (S)                                           | 26                                 | 8                               | 122                                      | 2                              | -          | 270            | -              |
| Toowoomba (C)                                        | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| Wagamba (S)                                          | 89                                 | 70                              | 62                                       | 33                             | 47         | 36             | -              |
| Wambo (S)                                            | 460                                | 8                               | 118                                      | 4                              | 1          | 62             | 34             |
| Warwick (C)                                          | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| <b>SOUTH-WEST</b>                                    | <b>38</b>                          | <b>113</b>                      | <b>127</b>                               | <b>264</b>                     | <b>569</b> | <b>465</b>     | <b>1</b>       |
| Balonne (S)                                          | 16                                 | 53                              | 12                                       | 54                             | 123        | 20             | -              |
| Bendemere (S)                                        | 3                                  | 1                               | 51                                       | -                              | 2          | 61             | 1              |
| Booringa (S)                                         | 3                                  | 9                               | 5                                        | 33                             | 60         | 78             | -              |
| Bulloo (S)                                           | -                                  | -                               | -                                        | 11                             | 11         | 14             | -              |
| Bungil (S)                                           | 12                                 | 21                              | 45                                       | 30                             | 18         | 207            | -              |
| Murweh (S)                                           | -                                  | 1                               | -                                        | 59                             | 94         | 46             | -              |
| Paroo (S)                                            | -                                  | -                               | -                                        | 18                             | 135        | 4              | -              |
| Quilpie (S)                                          | -                                  | -                               | -                                        | 26                             | 74         | 5              | -              |
| Roma (T)                                             | -                                  | -                               | -                                        | -                              | -          | -              | -              |
| Warroo (S)                                           | 4                                  | 28                              | 14                                       | 33                             | 52         | 30             | -              |



TABLE 16 - AGRICULTURAL ESTABLISHMENTS (a): SELECTED INDUSTRY CLASS

| STATISTICAL DIVISION<br>and<br>local government area | Industry class                     |                                 |                                          |                                |       |                |                |
|------------------------------------------------------|------------------------------------|---------------------------------|------------------------------------------|--------------------------------|-------|----------------|----------------|
|                                                      | Cereal<br>grain<br>and<br>oilseeds | Sheep<br>and<br>cereal<br>grain | Meat<br>cattle<br>and<br>cereal<br>grain | Sheep<br>and<br>meat<br>cattle | Sheep | Meat<br>cattle | Milk<br>cattle |
| <b>FITZROY</b>                                       | 300                                | 3                               | 324                                      | 5                              | -     | 1,248          | 81             |
| Banana (S)                                           | 142                                | 3                               | 160                                      | 1                              | -     | 349            | 13             |
| Bauhinia (S)                                         | 33                                 | -                               | 45                                       | 1                              | -     | 137            | -              |
| Calliope (S)                                         | 1                                  | -                               | 4                                        | -                              | -     | 115            | 31             |
| Duarlinga (S)                                        | 14                                 | -                               | 43                                       | -                              | -     | 152            | -              |
| Emerald (S)                                          | 38                                 | -                               | 19                                       | -                              | -     | 80             | 1              |
| Fitzroy (S)                                          | 9                                  | -                               | 14                                       | -                              | -     | 136            | 22             |
| Gladstone (C)                                        | -                                  | -                               | -                                        | -                              | -     | -              | -              |
| Jericho (S)                                          | -                                  | -                               | -                                        | 2                              | -     | 102            | -              |
| Livingstone (S)                                      | 3                                  | -                               | 2                                        | -                              | -     | 124            | 14             |
| Mount Morgan (S)                                     | -                                  | -                               | -                                        | -                              | -     | 6              | -              |
| Peak Downs (S)                                       | 60                                 | -                               | 37                                       | 1                              | -     | 46             | -              |
| Rockhampton (C)                                      | -                                  | -                               | -                                        | -                              | -     | 1              | -              |
| <b>CENTRAL-WEST</b>                                  | -                                  | -                               | -                                        | 195                            | 364   | 143            | 5              |
| Aramac (S)                                           | -                                  | -                               | -                                        | 31                             | 43    | 23             | -              |
| Barcardine (S)                                       | -                                  | -                               | -                                        | 21                             | 26    | 14             | 1              |
| Barcoo (S)                                           | -                                  | -                               | -                                        | 13                             | 27    | 16             | -              |
| Blackall (S)                                         | -                                  | -                               | -                                        | 25                             | 40    | 19             | 2              |
| Boulia (S)                                           | -                                  | -                               | -                                        | 9                              | 8     | 14             | -              |
| Diamantina (S)                                       | -                                  | -                               | -                                        | -                              | -     | 12             | -              |
| Ilfracombe (S)                                       | -                                  | -                               | -                                        | 2                              | 37    | 2              | -              |
| Isisford (S)                                         | -                                  | -                               | -                                        | 9                              | 27    | 4              | -              |
| Longreach (S)                                        | -                                  | -                               | -                                        | 28                             | 77    | 6              | 1              |
| Tambo (S)                                            | -                                  | -                               | -                                        | 14                             | 21    | 13             | 1              |
| Winton (S)                                           | -                                  | -                               | -                                        | 43                             | 58    | 20             | -              |
| <b>MACKAY</b>                                        | 41                                 | -                               | 59                                       | -                              | -     | 405            | 52             |
| Belyando (S)                                         | 38                                 | -                               | 37                                       | -                              | -     | 100            | -              |
| Broadsound (S)                                       | 3                                  | -                               | 16                                       | -                              | -     | 136            | 1              |
| Mackay (C)                                           | -                                  | -                               | -                                        | -                              | -     | -              | -              |
| Mirani (S)                                           | -                                  | -                               | -                                        | -                              | -     | 13             | 29             |
| Nebo (S)                                             | -                                  | -                               | 6                                        | -                              | -     | 71             | 3              |
| Pioneer (S)                                          | -                                  | -                               | -                                        | -                              | -     | 37             | 4              |
| Proserpine (S)                                       | -                                  | -                               | -                                        | -                              | -     | 23             | 1              |
| Sarina (S)                                           | -                                  | -                               | -                                        | -                              | -     | 25             | 14             |
| <b>NORTHERN</b>                                      | 13                                 | -                               | -                                        | 1                              | -     | 399            | -              |
| Bowen (S)                                            | -                                  | -                               | -                                        | 1                              | -     | 100            | -              |
| Burdekin (S)                                         | 12                                 | -                               | -                                        | -                              | -     | 33             | -              |
| Charters Towers (C)                                  | -                                  | -                               | -                                        | -                              | -     | 1              | -              |
| Dalrymple (S)                                        | -                                  | -                               | -                                        | -                              | -     | 208            | -              |
| Hinchinbrook (S)                                     | 1                                  | -                               | -                                        | -                              | -     | 20             | -              |
| Thuringowa (C)                                       | -                                  | -                               | -                                        | -                              | -     | 36             | -              |
| Townsville (C)                                       | -                                  | -                               | -                                        | -                              | -     | 1              | -              |
| <b>FAR NORTH</b>                                     | 33                                 | -                               | 7                                        | -                              | -     | 279            | 233            |
| Atherton (S)                                         | 9                                  | -                               | 2                                        | -                              | -     | 11             | 37             |
| Aurukun (S)                                          | -                                  | -                               | -                                        | -                              | -     | -              | -              |
| Cairns (C)                                           | -                                  | -                               | -                                        | -                              | -     | -              | -              |
| Cardwell (S)                                         | -                                  | -                               | -                                        | -                              | -     | 9              | -              |
| Cook (S)                                             | -                                  | -                               | -                                        | -                              | -     | 54             | 1              |
| Croydon (S)                                          | -                                  | -                               | -                                        | -                              | -     | 20             | -              |
| Douglas (S)                                          | -                                  | -                               | -                                        | -                              | -     | 13             | -              |
| Eacham (S)                                           | 1                                  | -                               | -                                        | -                              | -     | 16             | 171            |
| Etheridge (S)                                        | -                                  | -                               | -                                        | -                              | -     | 62             | -              |
| Herberton (S)                                        | 8                                  | -                               | 4                                        | -                              | -     | 28             | 24             |
| Johnstone (S)                                        | -                                  | -                               | -                                        | -                              | -     | 15             | -              |
| Mareeba (S)                                          | 15                                 | -                               | 1                                        | -                              | -     | 47             | -              |
| Mulgrave (S)                                         | -                                  | -                               | -                                        | -                              | -     | 4              | -              |
| Torres (S)                                           | -                                  | -                               | -                                        | -                              | -     | -              | -              |
| Weipa (T)                                            | -                                  | -                               | -                                        | -                              | -     | -              | -              |



TABLE 16 - AGRICULTURAL ESTABLISHMENTS (a): SELECTED INDUSTRY CLASS

| STATISTICAL DIVISION<br>and<br>Local government area | Industry class            |                        |                              |                       |       |             |             |
|------------------------------------------------------|---------------------------|------------------------|------------------------------|-----------------------|-------|-------------|-------------|
|                                                      | Cereal grain and oilseeds | Sheep and cereal grain | Meat cattle and cereal grain | Sheep and meat cattle | Sheep | Meat cattle | Milk cattle |
| <b>NORTH-WEST</b>                                    |                           |                        |                              |                       |       |             |             |
| Burke (S)                                            | -                         | -                      | -                            | 79                    | 69    | 342         | -           |
| Carpentaria (S)                                      | -                         | -                      | -                            | -                     | -     | 21          | -           |
| Cloncurry (S)                                        | -                         | -                      | -                            | 1                     | -     | 26          | -           |
| Flinders (S)                                         | -                         | -                      | -                            | -                     | -     | 58          | -           |
| McKinlay (S)                                         | -                         | -                      | -                            | 26                    | 30    | 104         | -           |
| Morling (S)                                          | -                         | -                      | -                            | 21                    | 25    | 62          | -           |
| Mount Isa (C)                                        | -                         | -                      | -                            | -                     | -     | -           | -           |
| Richmond (S)                                         | -                         | -                      | -                            | -                     | -     | 18          | -           |
|                                                      | -                         | -                      | -                            | 31                    | 14    | 53          | -           |
| <b>QUEENSLAND</b>                                    | 2,445                     | 335                    | 1,627                        | 723                   | 1,300 | 5,997       | 2,288       |

(a) Establishments with an estimated value of agricultural operations of \$1 or more whose predominant activity is agriculture. An establishment covers all operations carried out by one

TABLE 17 - AGRICULTURAL ENTERPRISES (a): SELECTED INDUSTRY CLASS BY LEGAL STATUS, QUEENSLAND, 1965-66 (b)

| Industry class               | Legal status  |                    |                   |                              |                             |            | Total enterprises |
|------------------------------|---------------|--------------------|-------------------|------------------------------|-----------------------------|------------|-------------------|
|                              | Sole operator | Family partnership | Other partnership | Private incorporated company | Public incorporated company | Other (c)  |                   |
| Cereal grain and oilseeds    | 718           | 2,299              | 73                | 140                          | 3                           | 96         | 3,329             |
| Sheep and cereal grain       | 72            | 257                | 11                | 12                           | -                           | 13         | 365               |
| Meat cattle and cereal grain | 512           | 1,458              | 57                | 48                           | -                           | 58         | 2,133             |
| Sheep and meat cattle        | 155           | 511                | 31                | 32                           | 1                           | 28         | 758               |
| Sheep                        | 249           | 860                | 40                | 41                           | -                           | 49         | 1,239             |
| Meat cattle                  | 3,086         | 5,412              | 310               | 380                          | 3                           | 263        | 9,454             |
| Milk cattle                  | 601           | 1,750              | 43                | 53                           | -                           | 45         | 2,492             |
| Pigs                         | 128           | 462                | 16                | 25                           | -                           | 12         | 643               |
| Poultry                      | 45            | 142                | 7                 | 47                           | -                           | 15         | 256               |
| Fruit (including grapes)     | 534           | 1,445              | 54                | 106                          | 2                           | 43         | 2,184             |
| Potatoes                     | 41            | 163                | 3                 | 13                           | -                           | 4          | 224               |
| Other vegetables             | 292           | 896                | 24                | 45                           | 1                           | 31         | 1,289             |
| Sugar cane                   | 1,001         | 3,738              | 137               | 200                          | 2                           | 146        | 5,224             |
| Tobacco                      | 55            | 284                | 3                 | 4                            | -                           | 5          | 351               |
| Peanuts                      | 86            | 283                | 3                 | 17                           | -                           | 5          | 394               |
| Cotton                       | 27            | 111                | 10                | 16                           | -                           | 12         | 176               |
| Other agriculture            | 677           | 1,167              | 56                | 101                          | 1                           | 40         | 2,042             |
| <b>Total</b>                 | <b>8,279</b>  | <b>21,238</b>      | <b>878</b>        | <b>1,280</b>                 | <b>13</b>                   | <b>865</b> | <b>32,553</b>     |

(a) The term 'enterprise' comprises all operations of a single operating legal entity which means a sole trader, partnership, company, trust, co-operative or estate in the private sector or a department or a local or other statutory authority in the government sector. (b) Latest year available. (c) Including co-operative societies, trusts and estates.

IN LOCAL GOVERNMENT AREAS BY STATISTICAL DIVISIONS, QUEENSLAND, 1986-87 (continued)

| Industry class |         |                                     |          |                          |               |         |         |        |                           | Total  |
|----------------|---------|-------------------------------------|----------|--------------------------|---------------|---------|---------|--------|---------------------------|--------|
| Pigs           | Poultry | Fruit<br>(in-<br>cluding<br>grapes) | Potatoes | Other<br>vege-<br>tables | Sugar<br>cane | Tobacco | Peanuts | Cotton | Other<br>agri-<br>culture |        |
| -              | 2       | -                                   | -        | -                        | -             | -       | -       | -      | 1                         | 493    |
| -              | -       | -                                   | -        | -                        | -             | -       | -       | -      | -                         | 21     |
| -              | -       | -                                   | -        | -                        | -             | -       | -       | -      | -                         | 26     |
| -              | -       | -                                   | -        | -                        | -             | -       | -       | -      | -                         | 59     |
| -              | -       | -                                   | -        | -                        | -             | -       | -       | -      | 1                         | 161    |
| -              | -       | -                                   | -        | -                        | -             | -       | -       | -      | -                         | 108    |
| -              | 2       | -                                   | -        | -                        | -             | -       | -       | -      | -                         | 20     |
| -              | -       | -                                   | -        | -                        | -             | -       | -       | -      | -                         | 98     |
| 560            | 248     | 1,605                               | 221      | 1,072                    | 5,135         | 342     | 404     | 154    | 1,017                     | 25,473 |

enterprise at a single physical location.

TABLE 18 - AGRICULTURAL ENTERPRISES (a): VALUE OF OPERATIONS BY LEGAL STATUS, QUEENSLAND, 1985-86 (b)

| Estimated value of operations<br>(\$'000) | Legal status     |                            |                           |                                         |                                        |              | Total<br>enter-<br>prises |
|-------------------------------------------|------------------|----------------------------|---------------------------|-----------------------------------------|----------------------------------------|--------------|---------------------------|
|                                           | Sole<br>operator | Family<br>partner-<br>ship | Other<br>partner-<br>ship | Private<br>incor-<br>porated<br>company | Public<br>incor-<br>porated<br>company | Other<br>(c) |                           |
| Less than 10                              | 1,831            | 2,555                      | 158                       | 123                                     | -                                      | 96           | 4,763                     |
| 10-19                                     | 1,304            | 1,898                      | 84                        | 85                                      | -                                      | 65           | 3,436                     |
| 20-29                                     | 836              | 1,513                      | 56                        | 61                                      | -                                      | 44           | 2,510                     |
| 30-39                                     | 693              | 1,477                      | 42                        | 47                                      | -                                      | 39           | 2,298                     |
| 40-49                                     | 652              | 1,518                      | 52                        | 42                                      | 1                                      | 57           | 2,322                     |
| 50-59                                     | 530              | 1,522                      | 52                        | 49                                      | 1                                      | 49           | 2,203                     |
| 60-74                                     | 587              | 1,950                      | 63                        | 78                                      | -                                      | 72           | 2,750                     |
| 75-99                                     | 646              | 2,474                      | 75                        | 124                                     | -                                      | 68           | 3,387                     |
| 100-149                                   | 581              | 2,829                      | 114                       | 155                                     | 1                                      | 130          | 3,810                     |
| 150-199                                   | 253              | 1,363                      | 52                        | 108                                     | 4                                      | 71           | 1,851                     |
| 200 and over                              | 366              | 2,139                      | 130                       | 408                                     | 6                                      | 174          | 3,223                     |
| Total                                     | 8,279            | 21,238                     | 878                       | 1,280                                   | 13                                     | 865          | 32,553                    |

(a) The term 'enterprise' comprises all operations of a single operating legal entity which means a sole trader, partnership, company, trust, co-operative or estate in the private sector, or a department or a local or other statutory authority in the government sector. (b) Latest year available. (c) Including co-operative societies, trusts and estates.

## METEOROLOGY

TABLE 19 - METEOROLOGICAL OBSERVATIONS, BRISBANE, 1966  
(Source: Bureau of Meteorology, Brisbane)

| Month     | Corrected<br>mean<br>sea level<br>pressure<br>9 a.m. | Shade temperature |                     |                     |                 |                 | Rainfall |                    |                |
|-----------|------------------------------------------------------|-------------------|---------------------|---------------------|-----------------|-----------------|----------|--------------------|----------------|
|           |                                                      | Mean              | Absolute<br>maximum | Absolute<br>minimum | Mean<br>maximum | Mean<br>minimum | Total    | Wet<br>days<br>(a) | Average<br>(b) |
|           | mb                                                   | deg C             | deg C               | deg C               | deg C           | deg C           | mm       | No.                | mm             |
| January   | 1,011.9                                              | 25.4              | 34.6                | 17.8                | 30.1            | 20.7            | 40.6     | 11                 | 166            |
| February  | 1,012.9                                              | 25.4              | 33.6                | 17.4                | 30.2            | 20.6            | 28.0     | 7                  | 163            |
| March     | 1,018.7                                              | 23.9              | 30.7                | 17.5                | 28.4            | 19.3            | 98.0     | 9                  | 146            |
| April     | 1,019.5                                              | 22.5              | 30.0                | 16.0                | 27.2            | 17.9            | 17.2     | 7                  | 86             |
| May       | 1,020.1                                              | 19.7              | 27.4                | 10.2                | 24.1            | 15.4            | 111.4    | 14                 | 71             |
| June      | 1,019.1                                              | 16.5              | 25.6                | 3.6                 | 21.6            | 11.4            | 1.8      | 2                  | 69             |
| July      | 1,021.3                                              | 15.9              | 24.9                | 6.2                 | 20.8            | 11.1            | 42.8     | 10                 | 56             |
| August    | 1,017.9                                              | 15.9              | 24.6                | 6.3                 | 21.0            | 10.7            | 65.4     | 10                 | 46             |
| September | 1,018.8                                              | 19.0              | 28.4                | 8.4                 | 24.4            | 13.6            | 18.2     | 5                  | 48             |
| October   | 1,016.3                                              | 21.3              | 30.0                | 11.8                | 26.2            | 16.4            | 180.6    | 10                 | 75             |
| November  | 1,015.4                                              | 21.9              | 31.8                | 14.3                | 26.3            | 17.6            | 133.4    | 8                  | 97             |
| December  | 1,015.3                                              | 23.9              | 33.0                | 14.8                | 28.2            | 19.5            | 98.6     | 14                 | 130            |
| Year      | 1,017.3                                              | 20.9              | 34.6                | 3.6                 | 25.7            | 16.2            | 836.0    | 107                | 1,151          |

(a) Days on which 0.1 mm or more of rain fell. (b) Average annual rainfall based on all years of record.

TABLE 20 - RAINFALL AT SELECTED STATIONS, QUEENSLAND  
(Source: Bureau of Meteorology, Brisbane)  
(millimetres)

| Locality          | 1976  | 1977  | 1978  | 1979  | 1980  | 1981  | 1982  | 1983  | 1984  | 1985  | 1986  | Average<br>(a) |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| <b>Coastal</b>    |       |       |       |       |       |       |       |       |       |       |       |                |
| Brisbane          | 1,312 | 660   | 965   | 748   | 1,136 | 1,453 | 1,042 | 1,473 | 1,040 | 1,141 | 740   | 1,151          |
| Bundaberg         | 1,455 | 783   | 1,138 | 477   | 843   | 973   | 988   | 1,651 | 981   | 968   | 1,053 | 1,155          |
| Gladstone         | 970   | 967   | 962   | 527   | 841   | 973   | 538   | 1,442 | 544   | 783   | 1,042 | 947            |
| Rockhampton       | 995   | 835   | 1,180 | 470   | 604   | 710   | 394   | 1,062 | 698   | 799   | 779   | 871            |
| Mackay            | 2,248 | 1,534 | 1,409 | 2,482 | 1,183 | 1,359 | 980   | 1,382 | 821   | 1,625 | 1,538 | 1,672          |
| Townsville        | 1,437 | 1,320 | 1,070 | 1,025 | 722   | 1,762 | 701   | 782   | 961   | 630   | 623   | 1,215          |
| Cardwell          | 2,001 | 3,330 | 1,963 | 2,301 | 1,548 | 3,615 | 1,750 | 2,012 | 1,985 | 1,448 | 1,379 | 2,151          |
| Calms             | 2,000 | 2,784 | 1,425 | 2,836 | 1,472 | 2,792 | 1,445 | 1,822 | 1,752 | 2,490 | 1,580 | 2,030          |
| Thursday Island   | 2,073 | 2,614 | 1,673 | 1,598 | 1,718 | 2,145 | 1,316 | 1,792 | 2,142 | 1,811 | 1,696 | 1,721          |
| Normanton         | 1,249 | 1,096 | 443   | 1,062 | 770   | 1,009 | 500   | 491   | 799   | 799   | 681   | 934            |
| <b>Subcoastal</b> |       |       |       |       |       |       |       |       |       |       |       |                |
| Warwick           | 911   | 534   | 793   | 576   | 492   | 583   | 569   | 1,017 | 658   | 583   | 604   | 744            |
| Toowoomba         | 1,165 | 868   | 1,235 | 920   | 955   | 1,479 | 896   | 1,357 | 1,004 | 913   | 811   | 963            |
| Kingaroy          | 749   | 338   | 1,090 | 765   | 699   | 939   | 753   | 1,090 | 919   | 669   | 757   | 778            |
| Gayndah           | 857   | 534   | 898   | 831   | 573   | 806   | 605   | 887   | 796   | 688   | 622   | 785            |
| Emerald           | 679   | 674   | 889   | 445   | 564   | 754   | 344   | 965   | 732   | 530   | 657   | 639            |
| Charters Towers   | 573   | 651   | 707   | 712   | 606   | 1,228 | 366   | 690   | 519   | 642   | 376   | 658            |
| Atherton          | 1,322 | 1,569 | 956   | 2,171 | 828   | 1,760 | 1,000 | 940   | 799   | 1,186 | 1,190 | 1,539          |
| Coen              | 1,369 | 1,380 | 694   | 1,346 | 935   | 1,951 | 1,232 | 816   | 1,525 | 1,296 | 1,014 | 1,177          |
| <b>Western</b>    |       |       |       |       |       |       |       |       |       |       |       |                |
| Cunnamulla        | 638   | 322   | 507   | 189   | 308   | 345   | 151   | 571   | 453   | 368   | 265   | 369            |
| Charleville       | 546   | 484   | 550   | 273   | 419   | 427   | 245   | 740   | 443   | 420   | 485   | 513            |
| Blackall          | 509   | 555   | 559   | 292   | 459   | 679   | 259   | 746   | 643   | 357   | 380   | 530            |
| Longreach         | 467   | 547   | 461   | 295   | 598   | 454   | 173   | 381   | 379   | 271   | 421   | 485            |
| Boulia            | 406   | 507   | 391   | 257   | 214   | 260   | 81    | 211   | 343   | 177   | 160   | 269            |
| Winton            | 694   | 496   | 467   | 386   | 227   | 543   | 200   | 189   | 555   | 378   | 378   | 414            |
| Hughenden         | 500   | 387   | 442   | 317   | 493   | 935   | 296   | 434   | 985   | 499   | 326   | 490            |
| Mount Isa         | 376   | 819   | 495   | 308   | 323   | 520   | 367   | 474   | 575   | 245   | 262   | 476            |
| Georgetown        | 930   | 657   | 662   | 1,130 | 915   | 1,330 | 443   | 832   | 939   | 460   | 613   | 830            |

(a) Average of all years held in computer compatible record to 1978.

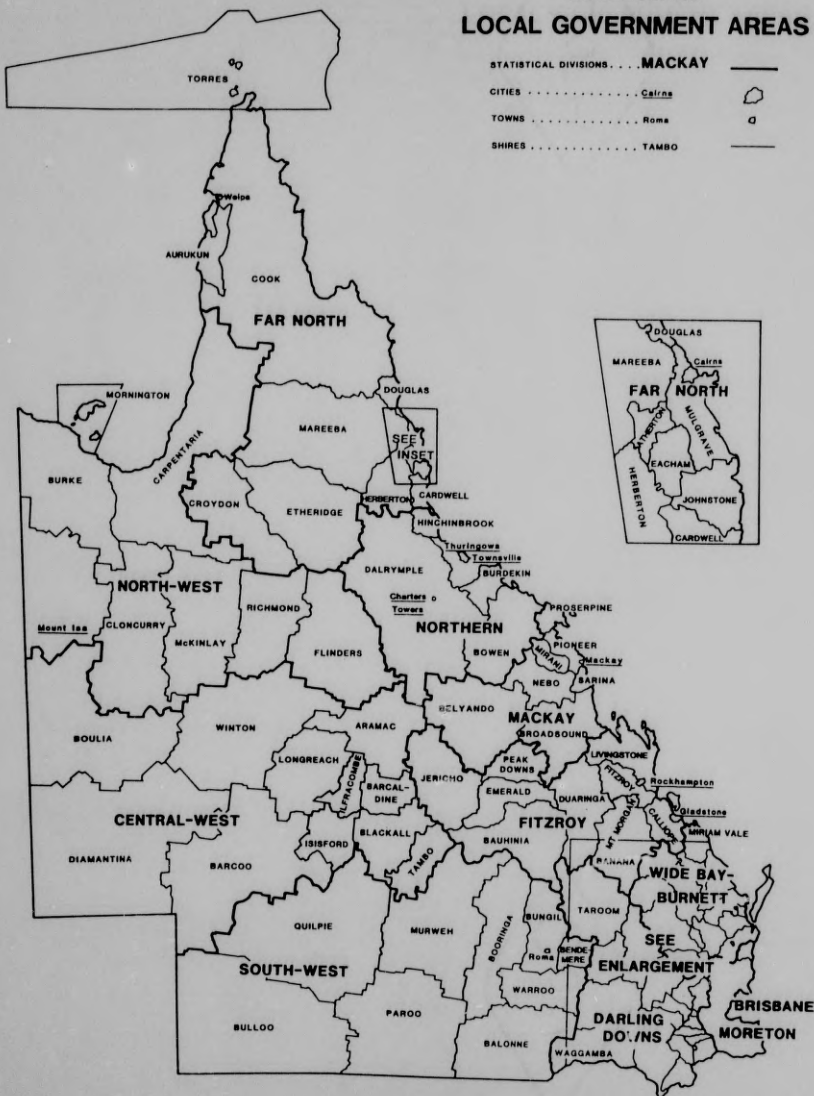
# QUEENSLAND LOCAL GOVERNMENT AREAS

STATISTICAL DIVISIONS . . . MACKAY

CITIES . . . . . Cairns

TOWNS . . . . . Roma

SHIRES . . . . . TAMBO





# SOUTH-EASTERN QUEENSLAND LOCAL GOVERNMENT AREAS

STATISTICAL DIVISIONS **MORETON**  
CITIES ..... Ipswich  
TOWNS ..... Dalby  
SHIRES ..... WONDAI

