

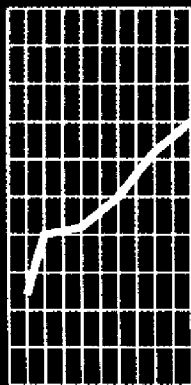


1994-95

EMBARGO: 11:30 AM (CANBERRA TIME) THURS 16 OCT 1997

# Agriculture

## Australia



## NOTES

### SYMBOLS AND OTHER USAGES

|        |   |
|--------|---|
| f.o.b. | free on board   |
| ha     | hectares  |
| kg     | kilograms   |
| km     | kilometres  |
| n.a.   | not available   |
| n.c.   | not collected   |
| n.e.c. | not elsewhere classified  |
| n.e.i. | not elsewhere included  |
| n.p.   | not available for publication but included in totals where applicable |
| n.y.a. | not yet available   |
| SE     | standard error  |
| t      | tonnes  |
| ..     | not applicable  |
| —      | nil or rounded to zero  |

.....

### INQUIRIES

For information about other ABS statistics and services, please refer to the back of this publication.

For further information about these statistics, contact David Ketley on Canberra (02) 6252 6213.

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### ABBREVIATIONS

|        |   |
|--------|---|
| ABARE  | Australian Bureau of Agricultural and Resource Economics      |
| ABS    | Australian Bureau of Statistics                               |
| ADC    | Australian Dairy Corporation                                  |
| AFS    | Agricultural Finance Survey                                   |
| ANZSIC | Australian and New Zealand Standard Industrial Classification |
| ASIC   | Australian Standard Industrial Classification                 |
| CWA    | Country Women's Association                                   |
| EVAO   | Estimated Value of Agricultural Operations                    |
| GDP    | Gross Domestic Product  |
| IRDB   | Integrated Regional Database                                  |
| OSW    | Office for the Status of Women                                |
| SLA    | Statistical Local Area  |
| VACP   | Value of Agricultural Commodities Produced                    |
| WRWD   | World Rural Women's Day                                       |

## P R E F A C E.....

The statistics in this publication, unless otherwise specified, are derived from the annual Agricultural Census conducted throughout Australia at 31 March 1995. The scope of the 1994-95 Census was establishments with an Estimated Value of Agricultural Operations (EVAO) of \$5,000 or more (see Special Article on EVAO). The scope of the Census for earlier years was set at different levels; further details of the changes in scope are contained in paragraphs 2, 3 and 4 of the Explanatory Notes on page 77 of this publication.

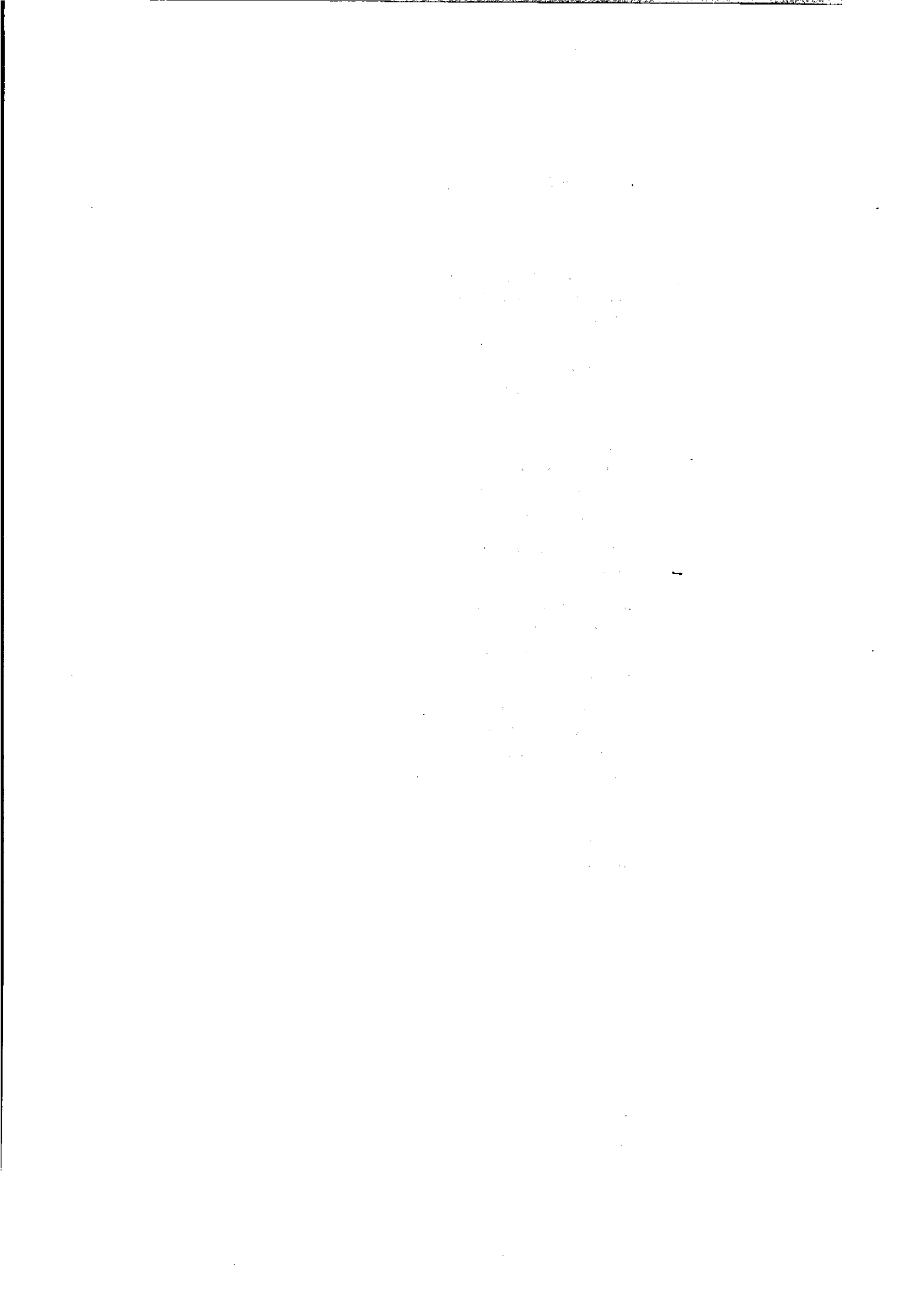
Where possible, data for earlier years have been recalculated based on \$5,000 EVAO equivalent basis. Results for the 1994-95 season based on \$22,500 EVAO for crops (including fruit and vegetables) are available on request. Census details for livestock are based on \$5,000 EVAO unless otherwise specified.

Analytical commentary in this publication relating to data derived from the Census is based on establishments with agricultural activity of \$5,000 EVAO or more.

Readers should refer to the appropriate section of the Explanatory Notes for further details on published tables. Some unpublished statistics are available as a special data service and can be obtained by contacting David Ketley on Canberra (02) 6252 6213, or Information Services in any ABS office.

ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated; without it the wide range of statistics published by the Australian Bureau of Statistics (ABS) would not be available for general use by the community.

W. McLennan  
Australian Statistician



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# SECTION 1

## AGRICULTURE AND THE AUSTRALIAN ECONOMY .....

### OVERVIEW

The Australian economy has become increasingly diverse as it has expanded. Although gross farm product declined by almost 9% during 1994-95, the agricultural sector remains particularly significant in export terms. Australian agriculture occupies an important place in global rural trade with wool, beef, wheat, and sugar being particularly important in volume and value terms. Australia is also a significant source of dairy produce, fruit, cotton, rice and flowers.

Agriculture contributes substantially to Australia's economic prosperity, and provides the population with the bulk of its food requirements. In 1994-95:

- the gross value of agricultural production was \$23,754.8 million;
- gross farm product was 3% of GDP;
- rural exports amounted to \$19,039 million, representing 29% of the total value of Australia's merchandise exports; and
- the agricultural sector employed almost 358,000 persons (4% of the labour force).

### 1.1 EMPLOYMENT(a), Agriculture Sector .....

|              | AUSTRALIA..... |              |              | 1994-95..... |             |             |             |             |             |
|--------------|----------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
|              | 1992-93        | 1993-94      | 1994-95      | NSW          | Vic.        | Qld         | SA          | WA          | Tas.        |
|              | '000           | '000         | '000         | '000         | '000        | '000        | '000        | '000        | '000        |
| Males        | 246.2          | 248.2        | 241.6        | 67.7         | 56.1        | 51.3        | 29.6        | 27.5        | 7.6         |
| Females      | 113.7          | 115.1        | 115.9        | 33.8         | 25.0        | 24.7        | 13.0        | 14.3        | 4.1         |
| <b>Total</b> | <b>359.9</b>   | <b>363.3</b> | <b>357.5</b> | <b>101.4</b> | <b>81.1</b> | <b>76.0</b> | <b>42.7</b> | <b>41.8</b> | <b>11.6</b> |

(a) Average annual employment, *Labour Force, Australia* (Cat. no. 6203.0)

## 1.2 GROSS FARM PRODUCT

| Price series           | AUSTRALIA..... |         |         | 1994-95..... |       |       |       |       |      |
|------------------------|----------------|---------|---------|--------------|-------|-------|-------|-------|------|
|                        | 1992-93        | 1993-94 | 1994-95 | NSW          | Vic.  | Qld   | SA    | WA    | Tas. |
|                        | \$m            | \$m     | \$m     | \$m          | \$m   | \$m   | \$m   | \$m   | \$m  |
| Current prices         | 11 360         | 11 907  | 10 874  | 2 338        | 2 664 | 2 645 | 1 016 | 1 717 | 347  |
| Average 1989-90 prices | 14 630         | 14 979  | 12 016  | n.a.         | n.a.  | n.a.  | n.a.  | n.a.  | n.a. |

## 1.3 RURAL MERCHANDISE(a), Exports f.o.b.

| Commodity                  | 1989-90       | 1990-91       | 1991-92       | 1992-93       | 1993-94       | 1994-95       |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                            | \$m           | \$m           | \$m           | \$m           | \$m           | \$m           |
| Meat and meat preparations | 2 936         | 3 173         | 3 434         | 3 750         | 4 043         | 3 654         |
| Cereals, grains            | 3 288         | 2 436         | 2 352         | 2 954         | 3 205         | 2 523         |
| Sugars                     | 1 104         | 948           | 747           | 1 072         | 1 315         | 1 730         |
| Wool and sheepskins        | 3 753         | 2 887         | 3 829         | 9 367         | 3 369         | 4 216         |
| Other rural                | 4 263         | 4 578         | 5 241         | 5 937         | 6 513         | 6 916         |
| <b>Total rural exports</b> | <b>15 344</b> | <b>14 022</b> | <b>15 603</b> | <b>17 080</b> | <b>18 445</b> | <b>19 039</b> |

(a) Data are for merchandise on a balance of payments basis.

## SPECIAL ARTICLE — AUSTRALIAN WOMEN IN AGRICULTURE .....

### OVERVIEW

On 15 October 1996 women in Australia gathered to celebrate the inaugural World Rural Women's Day (WRWD). The Foundation for Australian Women in Agriculture made a presentation to Prime Minister John Howard, the Minister for Primary Industries and Energy, John Anderson and Minister for Social Security and Minister Assisting the Prime Minister for the Status of Women, Jocelyn Newman. The Foundation's President, Mary Salce, commended the Prime Minister's *Supermarkets of Asia* initiative, stating that 'Women are obvious participants in planning, constructing and selling' this initiative.

In formally acknowledging WRWD, Minister John Anderson stated:

'... Australian agricultural women have ... been the catalyst for a growing international "women in agriculture movement" which has assisted in highlighting the invaluable contribution of agricultural women to producing the world's food, managing the world's natural resources, and nurturing the families and communities that keep rural areas vibrant and sustainable'.

In Australia, major issues of concern identified by rural women include their under-representation in rural decision-making bodies, a lack of visibility and recognition of women's economic contribution to the rural sector, and improving access to an integrated delivery of services (health, education, child-care, family support and telecommunications technology).

Peak organisations such as the Country Women's Association (CWA), Australian Women in Agriculture, Foundation of Australian Agricultural Women and the various women's units within State and Commonwealth agricultural departments reflect the growing need for wider recognition of the contribution that women make in the rural sector. Initiatives in recent years have included the first National Rural Women's Forum held in Canberra in June 1994 and the first International Women in Agriculture Conference held in Melbourne during July 1994.

### WOMEN ON FARMS SURVEY

In 1994, the Australian Bureau of Agricultural and Resource Economics (ABARE) collected information about women on farms as part of their wider Farm Surveys. This was the first time that such data about the contribution of women on farms have been collated on a large scale. The study covered family-operated farms in the broadacre and dairy industries. For each farm in the sample, a principal contact and their spouse were selected as the people who made most management decisions about the farm (not all farms had both a female and male contact).

Although they represented only a part of the women involved in agriculture, the women interviewed were central figures in the family farm unit, participating in various ways in the roles of mother, part-time worker, farmer and/or decision maker. The

WOMEN ON FARMS SURVEY *continued*

group does not include all women working on farms; for example other family members and paid employees are excluded from this study.

The women identified in these surveys were involved in the family farm business in several ways: some women worked alone on the farm and were solely responsible for the decision making and farm operation, others shared the decision making about the financial structure of the business, sales and purchases of livestock and crops, farm labour, and family and household duties. Some assisted during the peak times but were not involved in the day-to-day farm operation, while other women worked in the home tending to household duties or had full-time, off-farm employment.

The results show that these women spent more time working off-farm than did their male counterparts, and that a greater proportion of women than men had a high level of formal education. Women with a high level of education generally worked for longer periods off-farm compared with other women. Women in the dairy industry spent a greater amount of time working on-farm than did their female counterparts in the broadacre industries. However, on farms with relatively higher level of debt, women in general were found to spend more time working both on-farm and off-farm.

Women of all ages contributed to on-farm work, with an estimated one-third of females aged between 41 and 50. In addition, women over the age of 70 still contributed to on-farm work. Women spent more time working on-farm on the larger farms, while they worked more off-farm for farms with higher capitalisation.

## SOCIAL ISSUES

In a 1985 study commissioned by the CWA and Office for the Status of Women (OSW), rural women identified a clear set of priorities. Almost 33% identified financial and economic issues as the single biggest problem facing rural women.

'Rural women want better transport systems and roads to facilitate access to essential services and social contact. They want improved education, training and employment opportunities to broaden their own and their families' economic position and prospects. They want better access to health and community services for themselves and their families, and better telecommunication facilities. These very basic services are crucial in mitigating ... the undesirable effects of isolation.' (OSW and CWA, 1988.)

ABARE data show that both women and men considered health and social services to be the most important issues affecting rural women. Employment opportunities and the performance of the farm businesses were identified as the most important issues affecting rural centres. The issues perceived to be the most important affecting rural families were educational facilities, employment opportunities and the performance of the farm business and the rural sector.

Farming has traditionally been considered a male dominated activity. The 1991 Census showed that 71% of farmers were male and 29% were female. In comparison, across all occupations, 57% of workers were male and 43% were female. There has been a gradual increase over time in the number of women reported as working on farms as a proportion of the total farm workforce. The growth in female participation may also be attributed to perceptions that farm women have in regard to their role as farm manager.

SOCIAL ISSUES *continued*

ABS data show that there were 72,200 women employed as farmers or farm managers in August 1996. Many of these were in partnership with their husbands. Women represented 30% of all farmers or farm managers. The number of female farmers has remained fairly constant during the last 10 years while the number of men in farming has fallen by 11%.

There were also many women who worked on farms who were not farmers or farm managers. In August 1996, 123,900 women worked in agriculture or industries that service agriculture (about 30% of the agricultural workforce). This compares with 63,900 in August 1966 (or 15% of the agricultural workforce at that time). Over the period 1966 to 1996 women employed in the Agricultural sector increased by 94%.

**SA1.1 EMPLOYMENT IN AGRICULTURE—At August**

|               | NUMBER EMPLOYED..... |       |       |       | FARMERS/FARM MANAGERS.. |       |       |       |
|---------------|----------------------|-------|-------|-------|-------------------------|-------|-------|-------|
|               | 1966                 | 1976  | 1986  | 1996  | 1966                    | 1976  | 1986  | 1996  |
|               | '000                 | '000  | '000  | '000  | '000                    | '000  | '000  | '000  |
| Males         | 348.1                | 287.6 | 278.6 | 272.9 | 227.9                   | 205.0 | 188.3 | 168.1 |
| Married males | 48.2                 | 71.0  | 94.7  | 101.9 | n.a.                    | n.a.  | 66.7  | 65.3  |
| All females   | 63.9                 | 82.9  | 112.9 | 123.9 | 26.5                    | 26.4  | 73.7  | 72.2  |
| All persons   | 412.0                | 370.5 | 391.4 | 396.8 | 254.4                   | 231.4 | 262.0 | 240.2 |

Labour Force data indicate noticeable changes in female employment in the rural sector.

'Women have always been important in maintaining the family farm but with changes in employment mix and growth in part-time work their participation in rural labour markets has risen dramatically.' (Lewis, 1990).

Both full-time and part-time employment have increased, more so part-time which has increased substantially, with nearly all of this change attributed to married rather than single women. The increase in part-time employment can be explained by the mix between household duties and the nature of farm work. The supply of female labour is well suited to the requirements of farm work, especially given that technological change has reduced the need for strenuous physical work. 'Greater emphasis on maintaining accounts and the business management side of farming also provide opportunity for women to use their skills effectively' (Lewis). Economic pressures seem to have contributed to the increase in female farm employment. In many cases male farmers have sought off-farm income and transferred a range of farm duties to their partner.

## EDUCATION AND QUALIFICATIONS

A recent study found that, 'Women on farms are more likely to hold higher educational qualifications than male farmers and are also more likely to undertake retraining to provide financial security for families' (Cameron, 1994).

EDUCATION AND QUALIFICATIONS *continued*

Today, many parents are

'aware of the difficulties facing the agricultural industry, encourage their children to broaden their training. Many who train with a view to returning to the land subsequently find that a degree or experience in business management is a sufficiently versatile qualification to permit employment in non-farm areas' (Epps, 1993).

Of all students at the post-secondary institutions, 3.6% of females study farm-related courses (i.e. agriculture, animal husbandry or veterinary science) and 1.6% of female graduates of vocational education centres were in paid employment in agriculture, forestry, fishing or hunting industries on 30 April 1993 (Dawe 1993).

## COMMUNICATIONS AND TECHNOLOGY

Looking to the future, women and men in agriculture are well poised to take advantage of developments in technology with services such as Farmwide Online Computer Pilot, which is run by the National Farmers' Federation. Farmwide provides access to the Internet, e-mail and a wide range of rural services. Women have always played a significant role in Australian agriculture, in the nation's farm houses, paddocks and rural communities. Increasingly they are involved in planning and farm management, and decision making. Many of them also support the farm finances through their off-farm employment. In recent years there has been growing recognition for the many roles they play in agriculture.

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## SECTION 2

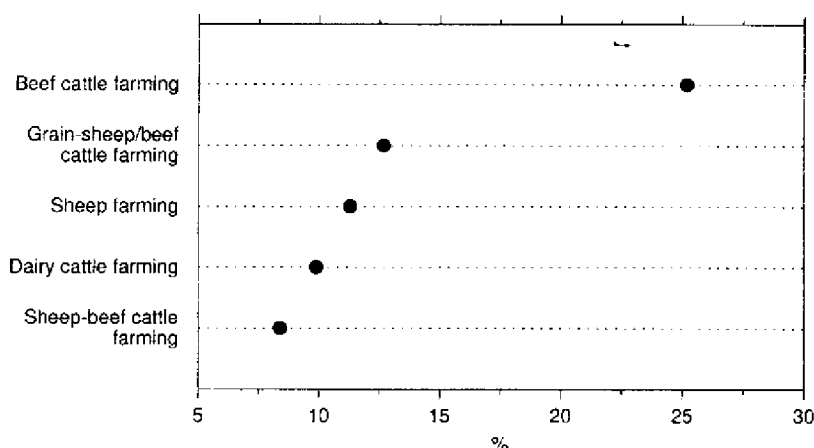
## STRUCTURE OF AGRICULTURAL INDUSTRY ...

### OVERVIEW

The number of establishments with agricultural activity fell by 2.2% to 147,112 between 31 March 1994 and 31 March 1995, continuing the downward trend which in the previous year was 1.0%. Queensland had the largest reduction in number of establishments with a fall of 4.1% to 32,848 and Western Australian numbers fell 4.0% to 13,971.

### INDUSTRY ANALYSIS

In the year ended 31 March 1995, the beef cattle farming industry accounted for 24.5% (36,092) of total establishments with agricultural activity. Queensland had the largest number of establishments in this industry, 33.2% (11,998) followed by New South Wales which increased its number by 6.2% on the previous year to 11,195 or 31.0% of the industry.

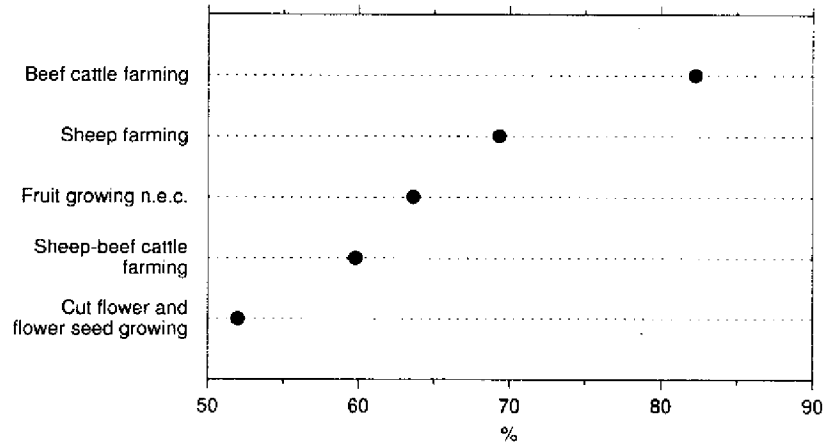


The grain-sheep/beef cattle farming industry, with 18,246 (12.4%) of establishments, was the second largest industry. New South Wales had the largest number of establishments with 6,091 (33.4%). Western Australia had 4,055 (22.2%) and South Australia had 3,588 (19.7%).

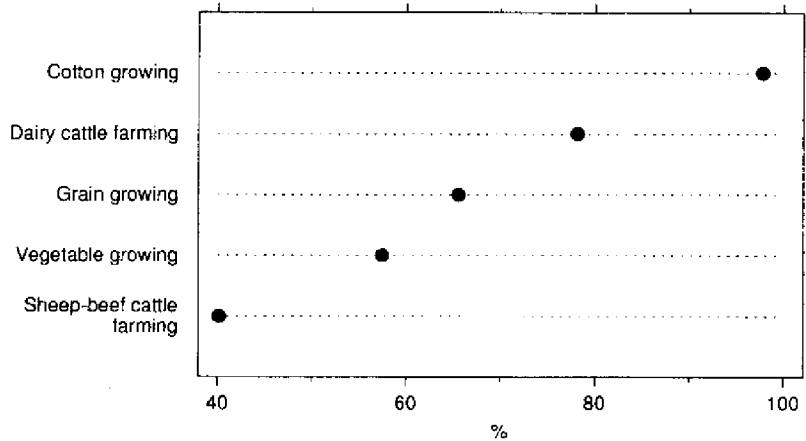
As a consequence of the drought conditions which prevailed in 1994-95, the number of establishments in the grain growing industry fell by 21.7% to 10,905. The States to contribute to this fall were New South Wales, down by 30.7% to 1,978 and Victoria, down by 18.8% to 2,452. In contrast, the number of establishments in the sheep industry increased by 4.4% to 16,234. The States to contribute to the increase were New South Wales up 11.8% to 6,281 and Victoria up 5.1% to 5,017. The number of establishments in the cotton industry also increased, up 2.6% to 824.

SIZE OF OPERATIONS ANALYSIS

Over half (56.8% or 81,623) of agricultural establishments had an EVAO of less than \$100,000 in 1994-95. The majority of farms in the beef cattle industry (29,711 or 82.3%), were in this size category, as were 69.3% of farms in the sheep industry. Large farms dominate the cotton industry, with only 2.2% below the \$100,000 level.



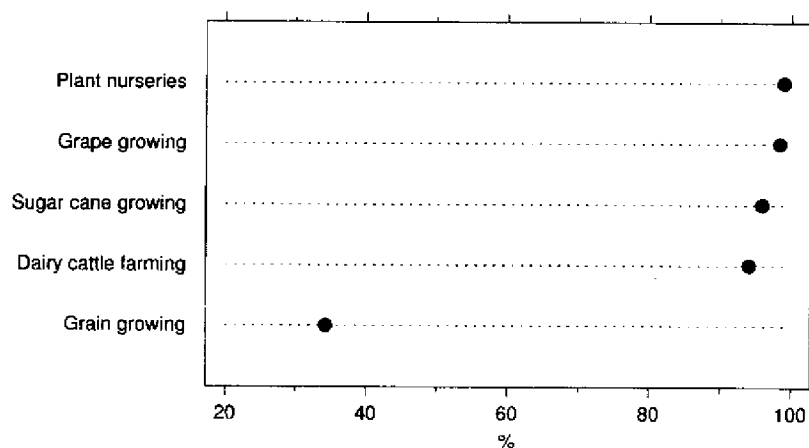
On the other hand, 43.2% (62,072) of establishments had an EVAO of greater than \$100,000. Those industries dominated by larger farms include cotton 97.8%, dairy with 78.2%, grain with 65.6% and vegetables with 57.5%.



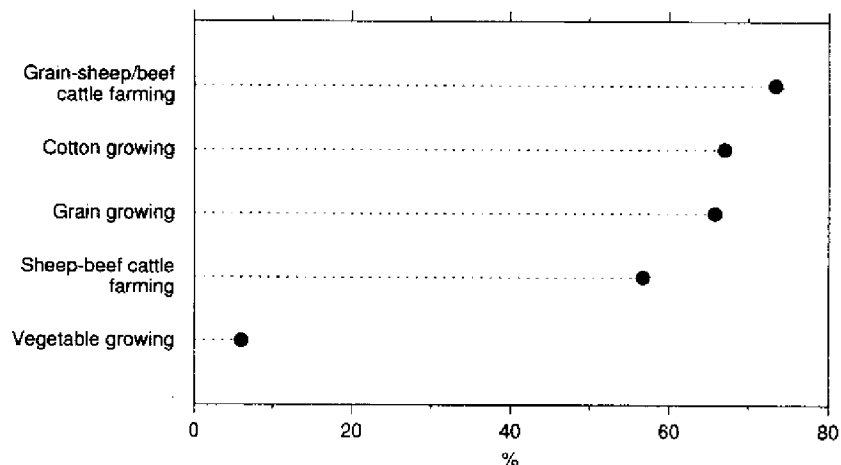


## AREA ANALYSIS

Farms in the agriculture sector with an area under 500 hectares represented 65.2% (93,518) of total agricultural establishments. All kiwi fruit industry farms were in this category, while 26.6% of the grain-sheep/beef cattle farms were also less than 500 hectares. Both the dairy cattle farming (94.1%) and the plant nurseries industries (99.0%) were dominated by small farms in terms of area.



Farms with an area of 500 hectares or more represented 34.8% (49,982) of total agricultural establishments. Almost three quarters (73.4%) of grain-sheep/beef cattle farms were in this category as were 65.7% of the grain growing farms, 6.0% of farms in the vegetable growing industry and 1.6% of farms in the grape growing industry.



## 2.1 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY—Years ended 31 March

| <i>Establishments(a)</i> | <i>NSW</i> | <i>Vic.</i> | <i>Qld</i> | <i>SA</i> | <i>WA</i> | <i>Tas.</i> | <i>NT</i> | <i>ACT</i> | <i>Aust.</i> |
|--------------------------|------------|-------------|------------|-----------|-----------|-------------|-----------|------------|--------------|
| 1986                     | 52 042     | 44 317      | 33 936     | 18 971    | 16 258    | 5 283       | 269       | 104        | 171 180      |
| 1987(b)                  | 37 355     | 34 383      | 25 860     | 15 369    | 13 852    | 3 637       | 290       | 68         | 130 814      |
| 1988                     | 50 687     | 41 827      | 36 272     | 18 081    | 15 827    | 5 250       | 307       | 88         | 168 339      |
| 1989                     | 50 791     | 40 995      | 36 059     | 18 258    | 16 106    | 5 311       | 307       | 107        | 167 934      |
| 1990(b)                  | 37 539     | 33 306      | 26 619     | 14 636    | 13 410    | 3 699       | 257       | 73         | 129 539      |
| 1991(b)                  | 36 812     | 32 620      | 25 364     | 14 482    | 13 202    | 3 563       | 270       | 79         | 126 392      |
| 1992                     | 44 443     | 39 170      | 33 181     | 17 511    | 14 790    | 4 884       | 302       | 99         | 154 380      |
| 1993                     | 43 227     | 37 773      | 33 531     | 17 386    | 14 910    | 4 719       | 322       | 98         | 151 966      |
| 1994                     | 42 817     | 37 330      | 34 268     | 16 345    | 14 555    | 4 663       | 316       | 95         | 150 389      |
| 1995                     | 42 287     | 37 070      | 32 849     | 15 952    | 13 973    | 4 554       | 337       | 93         | 147 115      |

(a) See Explanatory Notes, paragraph 10.

(b) Not adjusted, see Explanatory Notes, paragraph 10.

## 2.2 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By Industry—As at 31 March 1995

## Industry class

| ANZSIC code | Description                                   | NSW           | Vic.          | Qld           | SA            | WA            | Tas.         | NT         | ACT       | Aust.          |
|-------------|---|---------------|---------------|---------------|---------------|---------------|--------------|------------|-----------|----------------|
| 0111        | Plant nurseries                               | 591           | 284           | 727           | 128           | 140           | 36           | 19         | 4         | 1 929          |
| 0112        | Cut flower and flower seed growing            | 200           | 184           | 184           | 122           | 122           | 56           | 4          | —         | 872            |
| 0113        | Vegetable growing                             | 678           | 1 015         | 1 296         | 569           | 564           | 589          | 9          | 4         | 4 724          |
| 0114        | Grape growing                                 | 659           | 1 645         | 78            | 1 730         | 233           | 58           | 3          | —         | 4 406          |
| 0115        | Apple and pear growing                        | 219           | 448           | 117           | 141           | 207           | 165          | —          | 2         | 1 299          |
| 0116        | Stone fruit growing                           | 476           | 251           | 107           | 383           | 173           | 20           | —          | —         | 1 410          |
| 0117        | Kiwi fruit growing                            | 26            | 13            | 3             | —             | 7             | —            | —          | —         | 49             |
| 0119        | Fruit growing n.e.c.                          | 1 628         | 382           | 2 118         | 697           | 294           | 37           | 57         | 1         | 5 214          |
| 0121        | Grain growing                                 | 1 978         | 2 452         | 1 529         | 2 652         | 2 276         | 16           | 2          | —         | 10 905         |
| 0122        | Grain-sheep/beef cattle farming               | 6 091         | 2 939         | 1 494         | 3 588         | 4 055         | 75           | 4          | —         | 18 246         |
| 0123        | Sheep-beef cattle farming                     | 5 547         | 3 178         | 1 046         | 1 108         | 630           | 461          | —          | 29        | 11 999         |
| 0124        | Sheep farming                                 | 6 281         | 5 017         | 743           | 1 617         | 1 928         | 624          | —          | 24        | 16 234         |
| 0125        | Beef cattle farming                           | 11 195        | 8 367         | 11 998        | 1 224         | 1 889         | 1 190        | 208        | 21        | 36 092         |
| 0130        | Dairy cattle farming                          | 2 167         | 7 946         | 1 916         | 850           | 516           | 779          | —          | 1         | 14 175         |
| 0141        | Poultry farming (meat)                        | 316           | 155           | 104           | 72            | 59            | 14           | 1          | —         | 721            |
| 0142        | Poultry farming (eggs)                        | 144           | 118           | 110           | 47            | 85            | 14           | 6          | 2         | 526            |
| 0151        | Pig farming                                   | 442           | 242           | 450           | 221           | 135           | 40           | 1          | —         | 1 531          |
| 0152        | Horse farming                                 | 556           | 330           | 495           | 109           | 113           | 41           | 1          | 2         | 1 647          |
| 0153        | Deer farming                                  | 111           | 112           | 57            | 49            | 38            | 32           | —          | —         | 399            |
| 0159        | Livestock farming n.e.c.                      | 817           | 734           | 659           | 194           | 156           | 75           | 2          | 3         | 2 640          |
| 0161        | Sugar cane growing                            | 437           | —             | 4 653         | —             | —             | —            | —          | —         | 5 090          |
| 0162        | Cotton growing                                | 405           | —             | 419           | —             | —             | —            | —          | —         | 824            |
| 0169        | Crop and plant growing n.e.c.                 | 304           | 390           | 1 626         | 110           | 63            | 73           | 2          | —         | 2 568          |
|             | <b>Total (ANZSIC Code 01)</b>                 | <b>41 268</b> | <b>36 202</b> | <b>31 929</b> | <b>15 611</b> | <b>13 683</b> | <b>4 395</b> | <b>319</b> | <b>93</b> | <b>143 500</b> |
| 02          | Services to agriculture; hunting and trapping | 37            | 40            | 26            | 24            | 9             | 8            | —          | —         | 144            |
| 03          | Forestry and logging                          | 5             | 1             | 6             | —             | 3             | 13           | —          | —         | 28             |
| 04          | Commercial fishing                            | 1             | —             | 2             | 6             | 8             | 6            | —          | —         | 23             |
|             | <b>Total (ANZSIC Division A)</b>              | <b>41 311</b> | <b>36 243</b> | <b>31 963</b> | <b>15 641</b> | <b>13 703</b> | <b>4 422</b> | <b>319</b> | <b>93</b> | <b>143 695</b> |
| B           | Mining  | 5             | 2             | 3             | 2             | 2             | 2            | —          | —         | 16             |
| C           | Manufacturing                                 | 48            | 33            | 9             | 37            | 20            | 5            | 1          | —         | 153            |
| D           | Electricity, gas and water supply             | —             | 2             | —             | —             | —             | —            | —          | —         | 2              |
| E           | Construction                                  | 43            | 60            | 31            | 24            | 15            | 19           | —          | —         | 192            |
| F           | Wholesale trade                               | 28            | 31            | 16            | 18            | 12            | 7            | —          | —         | 112            |
| G           | Retail trade                                  | 15            | 24            | 33            | 10            | 11            | 11           | —          | —         | 104            |
| H           | Accommodation, cafes and restaurants          | 14            | 7             | 5             | 4             | 3             | 3            | —          | —         | 36             |
| I           | Transport and storage                         | 45            | 74            | 33            | 40            | 15            | 26           | —          | —         | 233            |
| J           | Communication services                        | —             | —             | —             | —             | —             | —            | —          | —         | —              |
| K           | Finance and insurance                         | 2             | 1             | 1             | 3             | —             | 1            | —          | —         | 8              |
| L           | Property and business services                | 37            | 7             | 41            | 19            | 18            | 8            | —          | —         | 130            |
| M           | Government administration and defence         | 9             | —             | —             | —             | —             | —            | —          | —         | 9              |
| N           | Education                                     | 16            | 1             | 8             | 1             | 15            | 6            | —          | —         | 47             |
| O           | Health and community services                 | 4             | 2             | 8             | 1             | 1             | —            | —          | —         | 16             |
| P           | Cultural and recreational services            | 12            | 14            | 3             | 4             | 2             | 2            | —          | —         | 37             |
| Q           | Personal and other services                   | 5             | 1             | 9             | 2             | 7             | 1            | —          | —         | 25             |
|             | Unclassified                                  | 693           | 568           | 685           | 146           | 147           | 41           | 15         | —         | 2 295          |
|             | <b>Total all industries</b>                   | <b>42 287</b> | <b>37 070</b> | <b>32 848</b> | <b>15 952</b> | <b>13 971</b> | <b>4 554</b> | <b>337</b> | <b>93</b> | <b>147 112</b> |

## 2.3 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By area—As at 31 March 1995

## AREA OF ESTABLISHMENT(ha).....

| Industry of establishment        |   | AREA OF ESTABLISHMENT(ha)..... |               |               |               |                |                |                |                  |
|----------------------------------|---|--------------------------------|---------------|---------------|---------------|----------------|----------------|----------------|------------------|
| ANZSIC code                      | Description                                   | 0 to 49                        | 50 to 99      | 100 to 499    | 500 to 999    | 1 000 to 2 499 | 2 500 to 4 999 | 5 000 to 9 999 | 10 000 to 24 999 |
| 0111                             | Plant nurseries                               | 1 667                          | 124           | 118           | 8             | 9              | —              | 3              | —                |
| 0112                             | Cut flower and flower seed growing            | 713                            | 71            | 66            | 13            | 7              | 2              | —              | —                |
| 0113                             | Vegetable growing                             | 2 317                          | 844           | 1 281         | 163           | 91             | 20             | 3              | 1                |
| 0114                             | Grape growing                                 | 3 774                          | 274           | 289           | 39            | 23             | 1              | 2              | 2                |
| 0115                             | Apple and pear growing                        | 852                            | 222           | 206           | 17            | 1              | —              | 1              | —                |
| 0116                             | Stone fruit growing                           | 1 149                          | 138           | 103           | 9             | 7              | 2              | 1              | —                |
| 0117                             | Kiwi fruit growing                            | 37                             | 8             | 4             | —             | —              | —              | —              | —                |
| 0119                             | Fruit growing n.e.c.                          | 3 864                          | 702           | 532           | 58            | 40             | 5              | 9              | 1                |
| 0121                             | Grain growing                                 | 147                            | 332           | 3 264         | 2 465         | 2 881          | 1 339          | 403            | 56               |
| 0122                             | Grain-sheep/beef cattle farming               | 134                            | 263           | 4 454         | 4 955         | 5 809          | 1 848          | 562            | 179              |
| 0123                             | Sheep-beef cattle farming                     | 304                            | 629           | 4 262         | 2 634         | 2 155          | 652            | 377            | 523              |
| 0124                             | Sheep farming                                 | 543                            | 915           | 6 567         | 3 503         | 2 381          | 644            | 394            | 600              |
| 0125                             | Beef cattle farming                           | 5 050                          | 5 981         | 14 176        | 3 701         | 3 006          | 1 299          | 909            | 885              |
| 0130                             | Dairy cattle farming                          | 1 489                          | 3 297         | 8 555         | 621           | 178            | 24             | 6              | 5                |
| 0141                             | Poultry farming (meat)                        | 552                            | 68            | 75            | 18            | 8              | —              | —              | —                |
| 0142                             | Poultry farming (eggs)                        | 380                            | 38            | 78            | 17            | 12             | 1              | —              | —                |
| 0151                             | Pig farming                                   | 430                            | 206           | 618           | 159           | 96             | 10             | 7              | 5                |
| 0152                             | Horse farming                                 | 808                            | 331           | 439           | 39            | 16             | 12             | —              | 1                |
| 0153                             | Deer farming                                  | 156                            | 73            | 131           | 25            | 8              | 3              | 3              | —                |
| 0159                             | Livestock farming n.e.c.                      | 1 736                          | 255           | 378           | 133           | 98             | 17             | 8              | 10               |
| 0161                             | Sugar cane growing                            | 1 166                          | 1 672         | 2 046         | 132           | 49             | 12             | 10             | 3                |
| 0162                             | Cotton growing                                | 9                              | 11            | 252           | 179           | 211            | 95             | 43             | 19               |
| 0169                             | Crop and plant growing n.e.c.                 | 549                            | 449           | 895           | 214           | 256            | 109            | 69             | 20               |
| <b>Total (ANZSIC Code 01)</b>    |   | <b>27 826</b>                  | <b>16 903</b> | <b>48 789</b> | <b>19 102</b> | <b>17 342</b>  | <b>6 095</b>   | <b>2 810</b>   | <b>2 310</b>     |
| 02                               | Services to agriculture; hunting and trapping | 32                             | 34            | 61            | 9             | 5              | 1              | —              | 1                |
| 03                               | Forestry and logging                          | 3                              | 3             | 14            | 2             | 1              | 4              | 1              | —                |
| 04                               | Commercial fishing                            | 6                              | 2             | 8             | —             | 6              | 1              | —              | —                |
| <b>Total (ANZSIC Division A)</b> |   | <b>27 867</b>                  | <b>16 942</b> | <b>48 872</b> | <b>19 113</b> | <b>17 354</b>  | <b>6 101</b>   | <b>2 811</b>   | <b>2 311</b>     |
| B                                | Mining  | 2                              | 4             | 7             | 1             | 2              | —              | —              | —                |
| C                                | Manufacturing                                 | 73                             | 28            | 37            | 6             | 6              | 2              | —              | 1                |
| D                                | Electricity, gas and water supply             | —                              | —             | —             | —             | —              | —              | 1              | 1                |
| E                                | Construction                                  | 72                             | 39            | 66            | 10            | 3              | 1              | —              | 1                |
| F                                | Wholesale trade                               | 74                             | 12            | 20            | 4             | 2              | —              | —              | —                |
| G                                | Retail trade                                  | 80                             | 7             | 11            | 2             | 1              | 2              | —              | 1                |
| H                                | Accommodation, cafes and restaurants          | 18                             | 2             | 13            | 2             | —              | —              | —              | —                |
| I                                | Transport and storage                         | 70                             | 43            | 98            | 11            | 9              | 1              | —              | 1                |
| J                                | Communication services                        | —                              | —             | —             | —             | —              | —              | —              | —                |
| K                                | Finance and insurance                         | 3                              | 2             | 3             | —             | —              | —              | —              | —                |
| L                                | Property and business services                | 32                             | 22            | 36            | 12            | 15             | 7              | 4              | 1                |
| M                                | Government administration and defence         | —                              | 1             | 4             | 3             | —              | 1              | —              | —                |
| N                                | Education                                     | 5                              | 4             | 18            | 5             | 9              | 2              | 2              | 2                |
| O                                | Health and community services                 | 7                              | 1             | 4             | 2             | 2              | —              | —              | —                |
| P                                | Cultural and recreational services            | 16                             | 6             | 12            | 2             | —              | 1              | —              | —                |
| Q                                | Personal and other services                   | 2                              | 2             | 8             | 3             | 5              | 1              | —              | 2                |
|                                  | Unclassified                                  | 1 020                          | 343           | 606           | 145           | 91             | 31             | 21             | 14               |
| <b>Total all industries</b>      |   | <b>29 341</b>                  | <b>17 458</b> | <b>49 815</b> | <b>19 321</b> | <b>17 499</b>  | <b>6 150</b>   | <b>2 839</b>   | <b>2 335</b>     |

2.3 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By Area—As at 31 March 1995 *continued*

| Industry of establishment |   | AREA OF ESTABLISHMENT(ha)..... |                        |                          |                          |                       | NUMBER OF ESTABLISHMENTS..... |
|---------------------------|---|--------------------------------|------------------------|--------------------------|--------------------------|-----------------------|-------------------------------|
|                           |   | 25 000<br>to<br>49 999         | 50 000<br>to<br>99 999 | 100 000<br>to<br>199 999 | 200 000<br>to<br>499 999 | 500 000<br>or<br>more |                               |
| ANZSIC<br>code            | Description                                   |                                |                        |                          |                          |                       | Total                         |
| 0111                      | Plant nurseries                               | —                              | —                      | —                        | —                        | —                     | 1 929                         |
| 0112                      | Cut flower and flower seed growing            | —                              | —                      | —                        | —                        | —                     | 872                           |
| 0113                      | Vegetable growing                             | 2                              | —                      | —                        | 2                        | —                     | 4 724                         |
| 0114                      | Grape growing                                 | —                              | —                      | 2                        | —                        | —                     | 4 406                         |
| 0115                      | Apple and pear growing                        | —                              | —                      | —                        | —                        | —                     | 1 299                         |
| 0116                      | Stone fruit growing                           | 1                              | —                      | —                        | —                        | —                     | 1 410                         |
| 0117                      | Kiwi fruit growing                            | —                              | —                      | —                        | —                        | —                     | 49                            |
| 0119                      | Fruit growing n.e.c.                          | 2                              | —                      | —                        | 1                        | —                     | 5 214                         |
| 0121                      | Grain growing                                 | 14                             | 4                      | —                        | —                        | —                     | 10 905                        |
| 0122                      | Grain-sheep/beef cattle farming               | 31                             | 10                     | 1                        | —                        | —                     | 18 246                        |
| 0123                      | Sheep-beef cattle farming                     | 277                            | 106                    | 41                       | 35                       | 4                     | 11 999                        |
| 0124                      | Sheep farming                                 | 306                            | 163                    | 126                      | 87                       | 5                     | 16 234                        |
| 0125                      | Beef cattle farming                           | 352                            | 200                    | 162                      | 282                      | 89                    | 36 092                        |
| 0130                      | Dairy cattle farming                          | —                              | —                      | —                        | —                        | —                     | 14 175                        |
| 0141                      | Poultry farming (meat)                        | —                              | —                      | —                        | —                        | —                     | 721                           |
| 0142                      | Poultry farming (eggs)                        | —                              | —                      | —                        | —                        | —                     | 526                           |
| 0151                      | Pig farming                                   | —                              | —                      | —                        | —                        | —                     | 1 531                         |
| 0152                      | Horse farming                                 | —                              | —                      | 1                        | —                        | —                     | 1 647                         |
| 0153                      | Deer farming                                  | —                              | —                      | —                        | —                        | —                     | 399                           |
| 0159                      | Livestock farming n.e.c.                      | 2                              | 1                      | 1                        | —                        | 1                     | 2 640                         |
| 0161                      | Sugar cane growing                            | —                              | —                      | —                        | —                        | —                     | 5 090                         |
| 0162                      | Cotton growing                                | 3                              | 2                      | —                        | —                        | —                     | 824                           |
| 0169                      | Crop and plant growing n.e.c.                 | 6                              | —                      | —                        | 1                        | —                     | 2 568                         |
|                           | <i>Total (ANZSIC Code 01)</i>                 | 996                            | 486                    | 334                      | 408                      | 99                    | 143 500                       |
| 02                        | Services to agriculture; hunting and trapping | —                              | 1                      | —                        | —                        | —                     | 144                           |
| 03                        | Forestry and logging                          | —                              | —                      | —                        | —                        | —                     | 28                            |
| 04                        | Commercial fishing                            | —                              | —                      | —                        | —                        | —                     | 23                            |
|                           | <i>Total (ANZSIC Division A)</i>              | 996                            | 487                    | 334                      | 408                      | 99                    | 143 695                       |
| B                         | Mining  | —                              | —                      | —                        | —                        | —                     | 16                            |
| C                         | Manufacturing                                 | —                              | —                      | —                        | —                        | —                     | 153                           |
| D                         | Electricity, gas and water supply             | —                              | —                      | —                        | —                        | —                     | 2                             |
| E                         | Construction                                  | —                              | —                      | —                        | —                        | —                     | 192                           |
| F                         | Wholesale trade                               | —                              | —                      | —                        | —                        | —                     | 112                           |
| G                         | Retail trade                                  | —                              | —                      | —                        | —                        | —                     | 104                           |
| H                         | Accommodation, cafes and restaurants          | —                              | —                      | —                        | 1                        | —                     | 36                            |
| I                         | Transport and storage                         | —                              | —                      | —                        | —                        | —                     | 233                           |
| J                         | Communication services                        | —                              | —                      | —                        | —                        | —                     | —                             |
| K                         | Finance and insurance                         | —                              | —                      | —                        | —                        | —                     | 8                             |
| L                         | Property and business services                | 1                              | —                      | —                        | —                        | —                     | 130                           |
| M                         | Government administration and defence         | —                              | —                      | —                        | —                        | —                     | 9                             |
| N                         | Education                                     | —                              | —                      | —                        | —                        | —                     | 47                            |
| O                         | Health and community services                 | —                              | —                      | —                        | —                        | —                     | 16                            |
| P                         | Cultural and recreational services            | —                              | —                      | —                        | —                        | —                     | 37                            |
| Q                         | Personal and other services                   | —                              | 1                      | —                        | 1                        | —                     | 25                            |
|                           | Unclassified                                  | 7                              | 5                      | 6                        | 6                        | —                     | 2 295                         |
|                           | <b>Total all industries</b>                   | <b>1 004</b>                   | <b>493</b>             | <b>340</b>               | <b>418</b>               | <b>99</b>             | <b>147 112</b>                |

## 2.4 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By Value of Operations—As at 31 March 1995

## ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (\$'000).....

| Industry of establishment        |   | Less than 22.5 | 22.5 to 30.0 | 30.0 to 40.0 | 40.0 to 50.0 | 50.0 to 60.0 | 60.0 to 75.0 | 75.0 to 100.0 | 100.0 to 150.0 | 150.0 to 200.0 | 200.0 to 500.0 | 500.0 or more | Total establishments |
|----------------------------------|---|----------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|---------------|----------------------|
| ANZSIC code                      | Description                                   | 22.5           | 29.9         | 39.9         | 49.9         | 59.9         | 74.9         | 99.9          | 149.9          | 199.9          | 499.9          |               |                      |
| 0111                             | Plant nurseries                               | 274            | 45           | 123          | 138          | 108          | 104          | 212           | 272            | 149            | 337            | 167           | 1 929                |
| 0112                             | Cut flower and flower seed growing            | 172            | 48           | 99           | 54           | 43           | 96           | 83            | 99             | 39             | 92             | 47            | 872                  |
| 0113                             | Vegetable growing                             | 560            | 220          | 227          | 224          | 191          | 245          | 341           | 536            | 386            | 1 084          | 710           | 4 724                |
| 0114                             | Grape growing                                 | 716            | 279          | 364          | 365          | 323          | 457          | 604           | 619            | 272            | 316            | 91            | 4 406                |
| 0115                             | Apple and pear growing                        | 112            | 41           | 53           | 53           | 47           | 63           | 90            | 194            | 137            | 309            | 200           | 1 299                |
| 0116                             | Stone fruit growing                           | 373            | 117          | 136          | 102          | 88           | 89           | 130           | 145            | 78             | 120            | 32            | 1 410                |
| 0117                             | Kiwi fruit growing                            | 18             | 6            | 3            | 1            | 2            | 3            | 5             | 3              | 2              | 4              | 2             | 49                   |
| 0119                             | Fruit growing n.e.c.                          | 1 194          | 322          | 374          | 350          | 307          | 348          | 419           | 578            | 369            | 661            | 292           | 5 214                |
| 0121                             | Grain growing                                 | 765            | 311          | 421          | 399          | 362          | 555          | 933           | 1 718          | 1 382          | 2 997          | 1 062         | 10 905               |
| 0122                             | Grain-sheep/beef cattle farming               | 1 030          | 591          | 825          | 911          | 921          | 1 341        | 2 078         | 3 420          | 2 250          | 4 137          | 742           | 18 246               |
| 0123                             | Sheep-beef cattle farming                     | 1 648          | 707          | 907          | 833          | 693          | 1 011        | 1 381         | 1 757          | 1 032          | 1 707          | 323           | 11 999               |
| 0124                             | Sheep farming                                 | 3 599          | 1 133        | 1 257        | 1 174        | 996          | 1 372        | 1 725         | 2 081          | 1 137          | 1 558          | 202           | 16 234               |
| 0125                             | Beef cattle farming                           | 15 622         | 3 356        | 3 204        | 2 190        | 1 730        | 1 718        | 1 891         | 2 216          | 1 127          | 2 181          | 857           | 36 092               |
| 0130                             | Dairy cattle farming                          | 305            | 177          | 289          | 291          | 330          | 560          | 1 138         | 3 031          | 2 804          | 4 771          | 479           | 14 175               |
| 0141                             | Poultry farming (meat)                        | 11             | 4            | 5            | 4            | 4            | 13           | 9             | 25             | 24             | 237            | 385           | 721                  |
| 0142                             | Poultry farming (eggs)                        | 34             | 12           | 7            | 11           | 11           | 16           | 24            | 57             | 49             | 153            | 152           | 526                  |
| 0151                             | Pig farming                                   | 131            | 51           | 75           | 54           | 63           | 69           | 121           | 204            | 158            | 388            | 217           | 1 531                |
| 0152                             | Horse farming                                 | 801            | 163          | 165          | 103          | 82           | 82           | 82            | 85             | 36             | 39             | 9             | 1 647                |
| 0153                             | Deer farming                                  | 43             | 18           | 24           | 20           | 18           | 31           | 43            | 55             | 30             | 85             | 32            | 399                  |
| 0159                             | Livestock farming n.e.c.                      | 1 152          | 227          | 184          | 183          | 119          | 125          | 119           | 156            | 101            | 202            | 72            | 2 640                |
| 0161                             | Sugar cane growing                            | 65             | 52           | 87           | 119          | 161          | 266          | 576           | 1 166          | 766            | 1 531          | 301           | 5 090                |
| 0162                             | Cotton growing                                | 3              | —            | —            | 2            | 3            | 2            | 8             | 28             | 29             | 237            | 512           | 824                  |
| 0169                             | Crop and plant growing n.e.c.                 | 336            | 143          | 175          | 158          | 139          | 192          | 218           | 346            | 239            | 440            | 182           | 2 568                |
| <b>Total (ANZSIC Code 01)</b>    |   | <b>28 964</b>  | <b>8 023</b> | <b>9 004</b> | <b>7 739</b> | <b>6 741</b> | <b>8 758</b> | <b>12 230</b> | <b>18 791</b>  | <b>12 596</b>  | <b>23 586</b>  | <b>7 068</b>  | <b>143 500</b>       |
| 02                               | Services to agriculture; hunting and trapping | 51             | 22           | 21           | 9            | 5            | 7            | 9             | 4              | 4              | 8              | 4             | 144                  |
| 03                               | Forestry and logging                          | 16             | —            | 2            | —            | 1            | 3            | 1             | 2              | —              | 1              | 2             | 28                   |
| 04                               | Commercial fishing                            | 10             | —            | 3            | 1            | —            | 2            | 1             | 1              | 3              | 2              | —             | 23                   |
| <b>Total (ANZSIC Division A)</b> |   | <b>29 041</b>  | <b>8 045</b> | <b>9 030</b> | <b>7 749</b> | <b>6 747</b> | <b>8 770</b> | <b>12 241</b> | <b>18 798</b>  | <b>12 603</b>  | <b>23 597</b>  | <b>7 074</b>  | <b>143 695</b>       |
| B                                | Mining  | 7              | 2            | 2            | —            | —            | 1            | 1             | 1              | 1              | 1              | —             | 16                   |
| C                                | Manufacturing                                 | 34             | 15           | 12           | 8            | 4            | 11           | 6             | 16             | 7              | 20             | 20            | 153                  |
| D                                | Electricity, gas and water supply             | —              | —            | —            | —            | —            | —            | —             | —              | —              | —              | 2             | 2                    |
| E                                | Construction                                  | 100            | 23           | 18           | 13           | 9            | 5            | 7             | 6              | 3              | 7              | 1             | 192                  |
| F                                | Wholesale trade                               | 25             | 7            | 12           | 4            | 11           | 3            | 9             | 15             | 7              | 8              | 11            | 112                  |
| G                                | Retail trade                                  | 38             | 4            | 12           | 5            | 6            | 10           | 9             | 6              | 2              | 10             | 2             | 104                  |
| H                                | Accommodation, cafes and restaurants          | 18             | 5            | 3            | 1            | 1            | 5            | 2             | 1              | —              | —              | —             | 36                   |
| I                                | Transport and storage                         | 117            | 30           | 25           | 11           | 4            | 12           | 11            | 9              | 3              | 9              | 2             | 233                  |
| J                                | Communication services                        | —              | —            | —            | —            | —            | —            | —             | —              | —              | —              | —             | —                    |
| K                                | Finance and insurance                         | 7              | 1            | —            | —            | —            | —            | —             | —              | —              | —              | —             | 8                    |
| L                                | Property and business services                | 37             | 7            | 11           | 8            | 5            | 4            | 12            | 16             | 7              | 16             | 7             | 130                  |
| M                                | Government administration and defence         | —              | —            | —            | —            | —            | —            | 3             | 2              | 2              | 2              | —             | 9                    |
| N                                | Education                                     | 5              | 1            | —            | 3            | 3            | 2            | 1             | 6              | 3              | 16             | 7             | 47                   |
| O                                | Health and community services                 | 6              | —            | —            | 1            | —            | —            | 1             | 3              | 2              | 3              | —             | 16                   |
| P                                | Cultural and recreational services            | 16             | 6            | 4            | 1            | 2            | 1            | 2             | 1              | 3              | —              | 1             | 37                   |
| Q                                | Personal and other services                   | 4              | 1            | —            | 2            | 1            | 2            | —             | 2              | —              | 8              | 5             | 25                   |
|                                  | Unclassified                                  | 2 295          | —            | —            | —            | —            | —            | —             | —              | —              | —              | —             | 2 295                |
| <b>Total all industries</b>      |   | <b>31 750</b>  | <b>8 147</b> | <b>9 129</b> | <b>7 806</b> | <b>6 793</b> | <b>8 826</b> | <b>12 305</b> | <b>18 882</b>  | <b>12 643</b>  | <b>23 697</b>  | <b>7 134</b>  | <b>147 112</b>       |

# SECTION 3

## FINANCE .....

### FINANCE

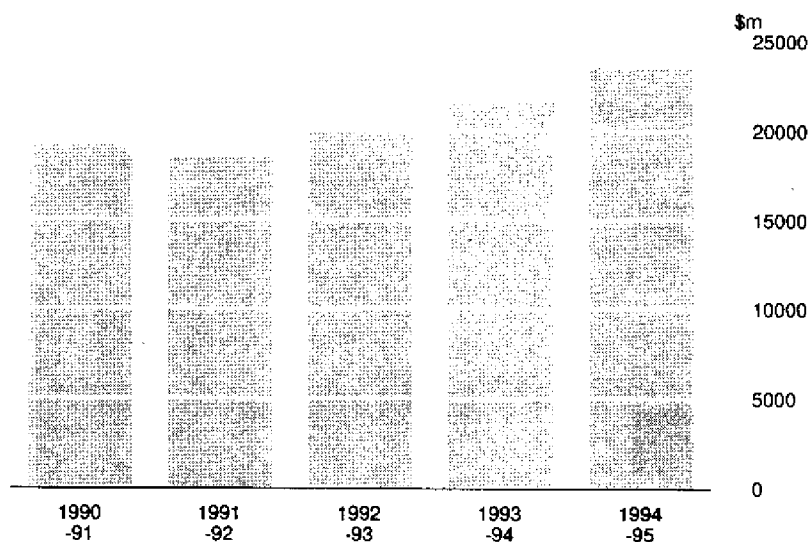
Despite drought severely affecting grain production in the eastern States, 1994-95 continued to be a year of further financial recovery from the low point of 1991-92. Major commodities to improve in price during the year included wheat, barley, wool and sugar. The price received for milk stayed close to 1993-94 levels as production increased whereas prices for meat cattle for slaughter started to decline.

### TURNOVER

Estimated aggregate turnover for the agricultural industry in 1994-95 was \$23,516.3 million. This was \$1,822.0 million (8.4%) higher than turnover for 1993-94. The average turnover per farm business was \$219,000, 8.7% higher than the 1993-94 average of \$200,500. Median farm business turnover in 1994-95 was \$125,000 compared with \$121,700 in 1993-94.

Sales of livestock products was the main contributor to the increase in turnover and rose from \$4,637.7 million to \$5,596.3 million (20.7%). In particular, proceeds from the sale of wool increased from \$2,167.4 million in 1993-94 to \$2,917.8 million in 1994-95. As production of wool actually fell, this increase was due solely to increased wool prices.

Sales of crops increased by \$434.6 million (4.6%) due mainly to an increase in proceeds from the sale of sugar cane. Proceeds from sales of livestock was little changed on the previous year.



TURNOVER *continued*

Aggregate and average turnover per farm business are shown in the following table for 1994–95 for each State.

## 3.1 TURNOVER BY FARM BUSINESSES

| State             | Aggregate<br>\$m | Average<br>\$  |
|-------------------|------------------|----------------|
| New South Wales   | 6 321.3          | 206 400        |
| Victoria          | 4 584.8          | 166 400        |
| Queensland        | 6 004.9          | 265 800        |
| South Australia   | 2 353.8          | 191 600        |
| Western Australia | 3 529.9          | 323 400        |
| Tasmania          | 570.6            | 185 400        |
| <b>Australia</b>  | <b>23 516.3</b>  | <b>219 200</b> |

## VALUE ADDED

In 1994–95, the aggregate value added contributed to the Australian economy by farm businesses was \$9,768.1 million. This was \$830.8 million (7.8%) below the 1993–94 value added figure. Drought in the eastern States severely limiting the production of grain was a significant factor contributing to the fall.

## CASH OPERATING SURPLUS

Aggregate cash operating surplus in 1994–95 was \$4,835.7 million, \$402.4 million (9.1%) above the cash operating surplus in 1993–94. Average cash operating surplus was \$45,100 compared with \$41,200 in 1993–94. Median cash operating surplus per farm business at \$25,900 was similar to that of the previous year.

## Average cash operating surplus





CASH OPERATING SURPLUS *continued*

In 1994–95 there were 15,100 (14.1%) farm businesses which made a cash operating surplus of \$100,000 or more. These farm businesses accounted for 69.1% of the aggregate cash operating surplus of all farm businesses and their average cash operating surplus was \$221,100. There were 23,700 farm businesses (22.1%) which made a cash operating surplus loss. The average loss per business in this group was \$40,500. The farm business profit margin in 1994–95 was 20.6%, a marginal increase on the 20.4% of 1993–94. On an industry basis, the highest profit margin was recorded by the sugar industry (38.8%). Profit margins in the broad acre industries ranged from 26.2% in the grain industry to 15.9% in the beef cattle industry. The pig industry had the lowest profit margin.

Farm businesses in New South Wales recorded the lowest profit margin of all States, falling from 18.8% in 1993–94 to 14.4% in 1994–95.

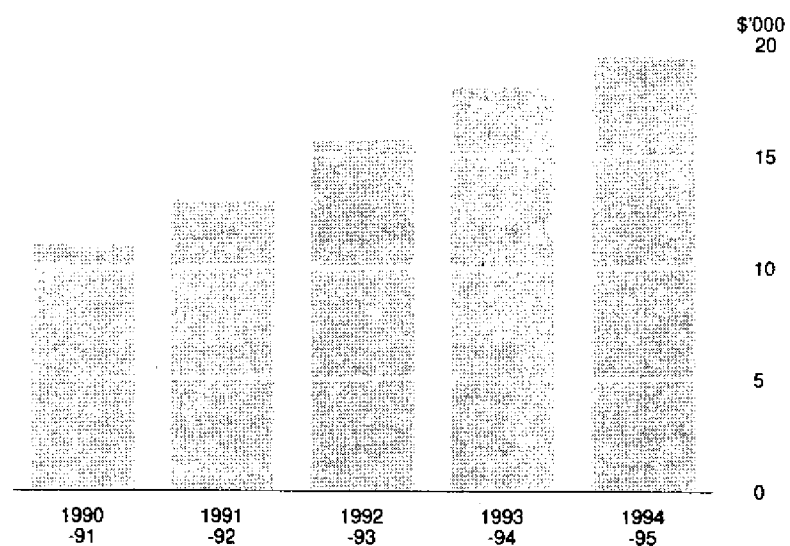
## FARM OPERATING COSTS

Total farm operating costs in 1994–95 were \$19,029.4 million, an increase of \$1,449.8 million from 1993–94. Reflecting the impact of the drought, a significant component of farm operating costs in 1994–95 was payments for feed and fodder which rose 35.0% to \$1,560.3 million.

## NET CAPITAL EXPENDITURE

Net capital expenditure by farm businesses in 1994–95 was estimated at \$2,090.8 million, not significantly different to the previous year. Average net capital expenditure per farm business was \$19,500.

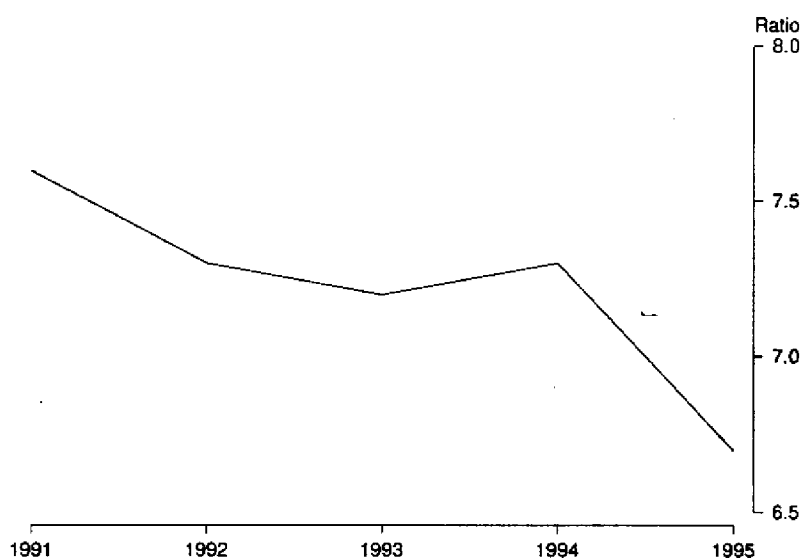
## Average net capital expenditure



## DEBT AND INTEREST PAYMENTS

At 30 June 1995 Australian farm businesses owed \$18,267.7 million. This was \$2,346.0 million above the debt level at the end of 1993-94. The average gross indebtedness per farm business was \$170,300. This was \$22,200 (15.0%) higher than the average indebtedness of the previous year. The indebtedness of Western Australian farm businesses averaged \$273,700, the highest average of any State. The median gross indebtedness per farm business was \$53,400, almost \$8,600 higher than the 1993-94 level. The estimated number of farm businesses which were debt free at the end of 1994-95 was approximately 26,000, virtually unchanged from 1993-94.

## Debt to asset ratio



At the end of 1994-95, Australian farm businesses owed banks \$11,351.5 million, 62.1% of the total amount owed, whereas pastoral and insurance companies and Government agencies were owed \$1,573.7 million (8.6%) of the total debt.

## 3.2 AVERAGE GROSS AND NET INDEBTEDNESS

| State             | Gross          | Net           |
|-------------------|----------------|---------------|
|                   | \$m            | \$            |
| New South Wales   | 167 900        | 89 100        |
| Victoria          | 109 800        | 73 600        |
| Queensland        | 217 900        | 117 100       |
| South Australia   | 130 600        | 88 300        |
| Western Australia | 273 700        | 149 500       |
| Tasmania          | 150 100        | 95 700        |
| <b>Australia</b>  | <b>170 300</b> | <b>96 800</b> |

Total interest payments by farm businesses in 1994-95 were \$1,508.9 million, 15.9% above the 1993-94 interest payments, and 6.4% of total farm business turnover. Average interest payment per farm business in 1994-95 was \$14,100.

## ASSET VALUE AND NET WORTH

The estimated gross value of farm business assets at 30 June 1995 was \$122,198.4 million, an increase of \$5,597.7 million (4.8%) on the asset value at the end of 1993-94. About two-thirds of the increase in asset value was attributable to increases in the value of land, buildings and other structures. The value of livestock remained virtually unchanged at the end of 1994-95, compared with the end of 1993-94.

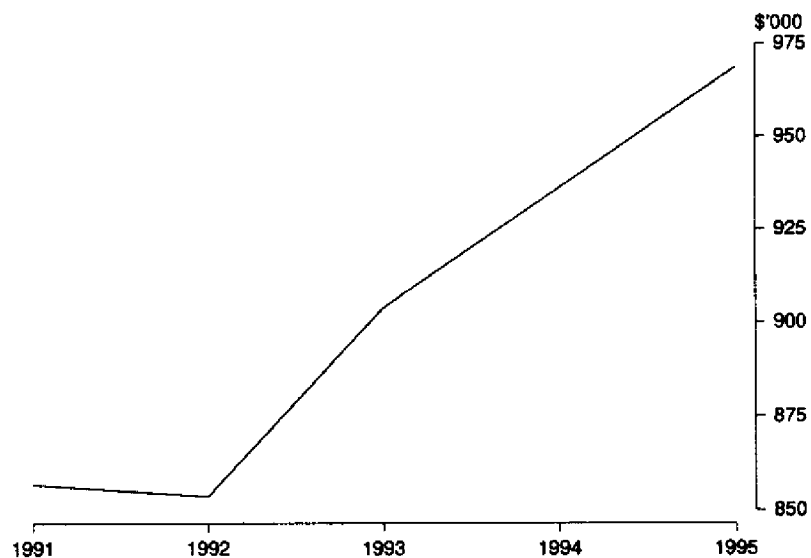
Average farm business asset value at the end of 1994-95 was \$1,139.0 million. The Western Australian average farm gross value of \$1,478.8 million was the highest of any State, with the Tasmanian value of \$783,300 the lowest value.

## 3.3 AVERAGE FARM BUSINESS ASSET VALUE

| State             | \$               |
|-------------------|------------------|
| New South Wales   | 1 202 200        |
| Victoria          | 836 200          |
| Queensland        | 1 392 000        |
| South Australia   | 912 500          |
| Western Australia | 1 478 800        |
| Tasmania          | 783 300          |
| <b>Australia</b>  | <b>1 139 000</b> |

The aggregate net worth (value of assets less gross indebtedness) of all farm businesses at 30 June 1995 was \$103,930.7 million. The average net worth per farm business was \$968,700, an increase of \$32,500 (3.5%) on the 1993-94 average net worth value.

## Average net worth



## FARM BUSINESSES

The population of the Agricultural Finance Survey (AFS) consisted of all farm businesses which are classified to subdivision 01 Agriculture, of the Australian and New Zealand Standard Industrial Classification (ANZSIC), based on their principal activity, and which had an EVAO of \$22,500 or more.

For 1994–95 the total number of agricultural farm businesses numbered 107,286, of which 2,500 were selected at random for the survey.

The table below shows the number of farm businesses classified to Agriculture on the ABS Business Register by State for the last three years.

## 3.4 FARM BUSINESSES

| State             | 1992–93        | 1993–94        | 1994–95        |
|-------------------|----------------|----------------|----------------|
| New South Wales   | 28 789         | 30 083         | 30 632         |
| Victoria          | 28 699         | 28 509         | 27 551         |
| Queensland        | 21 370         | 22 482         | 22 595         |
| South Australia   | 12 419         | 12 119         | 12 283         |
| Western Australia | 11 136         | 10 971         | 10 914         |
| Tasmania          | 3 138          | 3 149          | 3 078          |
| <b>Australia</b>  | <b>106 057</b> | <b>107 538</b> | <b>107 286</b> |

## 3.5 FARM BUSINESSES, Selected Financial Statistics—Years ended 30 June

| Items                           | AGGREGATES..... |         |              |     | AVERAGES(a)..... |         |              |     |
|---------------------------------|-----------------|---------|--------------|-----|------------------|---------|--------------|-----|
|                                 | 1992-93         | 1993-94 | 1994-95..... |     | 1992-93          | 1993-94 | 1994-95..... |     |
|                                 | \$m             | \$m     | \$m          | SE% | '000             | '000    | '000         | SE% |
| POULTRY 0141-0142               |                 |         |              |     |                  |         |              |     |
| Sales from crops                | 7.9             | 4.2     | n.p.         | —   | 6.9              | 3.6     | n.p.         | —   |
| Sales from livestock            | 189.2           | 188.7   | n.p.         | —   | 163.3            | 162.3   | n.p.         | —   |
| Sales from livestock products   | 277.9           | 296.6   | n.p.         | —   | 239.8            | 255.1   | n.p.         | —   |
| Turnover                        | 601.7           | 586.9   | n.p.         | —   | 519.1            | 504.7   | n.p.         | —   |
| Purchases and selected expenses | 399.2           | 358.7   | n.p.         | —   | 344.5            | 308.4   | n.p.         | —   |
| Value added(b)                  | 208.6           | 228.6   | n.p.         | —   | 180.0            | 196.6   | n.p.         | —   |
| Adjusted value added(b)         | 182.1           | 196.8   | n.p.         | —   | 157.1            | 169.2   | n.p.         | —   |
| Gross operating surplus         | 109.4           | 113.2   | n.p.         | —   | 94.4             | 97.3    | n.p.         | —   |
| Interest paid                   | 29.2            | 26.2    | n.p.         | —   | 25.2             | 22.5    | n.p.         | —   |
| Cash operating surplus(c)       | 76.1            | 84.7    | n.p.         | —   | 65.6             | 72.8    | n.p.         | —   |
| Gross indebtedness              | 337.9           | 374.2   | n.p.         | —   | 291.6            | 321.7   | n.p.         | —   |
| Total net capital expenditure   | 53.1            | 50.9    | n.p.         | —   | 45.8             | 43.8    | n.p.         | —   |
| Total value of assets           | 1 449.4         | 1 408.3 | n.p.         | —   | 1 250.5          | 1 210.9 | n.p.         | —   |
| Net indebtedness                | 181.0           | 206.7   | n.p.         | —   | 156.1            | 177.7   | n.p.         | —   |
| Net worth                       | 1 111.4         | 1 034.1 | n.p.         | —   | 959.0            | 889.2   | n.p.         | —   |
| FRUIT 0114-0119                 |                 |         |              |     |                  |         |              |     |
| Sales from crops                | 1 285.4         | 1 375.6 | 1 519.4      | 7   | 140.3            | 152.6   | 165.5        | 7   |
| Sales from livestock            | 25.4            | 27.2    | 37.5         | 54  | 2.8              | 3.0     | 4.1          | 54  |
| Sales from livestock products   | 14.0            | 7.7     | 13.7         | 52  | 1.5              | 0.9     | 1.5          | 51  |
| Turnover                        | 1 404.6         | 1 485.9 | 1 773.6      | 6   | 153.3            | 164.9   | 193.1        | 6   |
| Purchases and selected expenses | 702.5           | 708.8   | 814.4        | 8   | 76.7             | 78.7    | 88.7         | 8   |
| Value added(b)                  | 710.5           | 780.9   | 948.0        | 7   | 77.5             | 86.6    | 103.2        | 7   |
| Adjusted value added(b)         | 622.7           | 690.9   | 835.2        | 7   | 68.0             | 76.7    | 90.9         | 7   |
| Gross operating surplus         | 352.2           | 419.9   | 488.4        | 8   | 38.4             | 46.6    | 53.2         | 8   |
| Interest paid                   | 78.6            | 73.6    | 87.8         | 12  | 8.6              | 8.2     | 9.8          | 12  |
| Cash operating surplus(c)       | 275.9           | 351.4   | 435.7        | 9   | 30.1             | 39.0    | 47.5         | 8   |
| Gross indebtedness              | 785.2           | 841.4   | 1 172.7      | 15  | 85.7             | 93.4    | 127.7        | 15  |
| Total net capital expenditure   | 114.1           | 141.4   | 88.8         | 14  | 12.4             | 15.7    | 9.6          | 14  |
| Total value of assets           | 5 350.5         | 5 298.0 | 6 243.8      | 7   | 583.9            | 587.9   | 679.9        | 7   |
| Net indebtedness                | 303.7           | 262.3   | 526.9        | 37  | 33.1             | 29.1    | 57.4         | 37  |
| Net worth                       | 4 565.2         | 4 456.6 | 5 071.1      | 8   | 498.2            | 494.5   | 552.2        | 8   |
| VEGETABLES 0113                 |                 |         |              |     |                  |         |              |     |
| Sales from crops                | 926.8           | 1 030.2 | 1 266.9      | 11  | 223.2            | 261.4   | 295.7        | 12  |
| Sales from livestock            | 81.2            | 91.8    | 62.8         | 26  | 19.5             | 23.3    | 14.6         | 25  |
| Sales from livestock products   | 17.7            | 27.5    | 61.8         | 61  | 4.3              | 7.0     | 14.4         | 61  |
| Turnover                        | 1 078.5         | 1 214.4 | 1 493.3      | 10  | 259.7            | 308.1   | 348.6        | 11  |
| Purchases and selected expenses | 583.6           | 652.6   | 781.5        | 11  | 140.5            | 165.6   | 182.4        | 12  |
| Value added(b)                  | 502.5           | 580.8   | 709.8        | 14  | 121.0            | 147.4   | 165.7        | 15  |
| Adjusted value added(b)         | 441.3           | 519.7   | 653.0        | 15  | 106.3            | 131.9   | 152.4        | 15  |
| Gross operating surplus         | 259.7           | 332.0   | 410.9        | 20  | 62.5             | 84.3    | 95.9         | 20  |
| Interest paid                   | 94.5            | 50.2    | 55.0         | 17  | 22.8             | 12.7    | 12.8         | 18  |
| Cash operating surplus(c)       | 171.5           | 260.6   | 354.1        | 23  | 41.3             | 66.1    | 82.6         | 24  |
| Gross indebtedness              | 762.7           | 652.9   | 630.2        | 14  | 183.7            | 165.7   | 147.1        | 15  |
| Total net capital expenditure   | 86.5            | 90.0    | 125.8        | 16  | 20.8             | 22.8    | 29.4         | 17  |
| Total value of assets           | 3 905.7         | 3 746.3 | 3 344.0      | 13  | 940.5            | 950.6   | 780.6        | 13  |
| Net indebtedness                | 515.0           | 519.1   | 414.1        | 20  | 124.0            | 131.7   | 96.7         | 21  |
| Net worth                       | 3 143.0         | 3 093.5 | 2 713.7      | 14  | 756.8            | 784.9   | 633.5        | 13  |

(a) Averages have been calculated by dividing industry estimates by the estimated number of farm businesses in each industry.

(b) Includes an estimate for the value of the increase in livestock.

(c) Excludes an estimate for the value of the increase in livestock.

3.5 FARM BUSINESSES, Selected Financial Statistics—Years ended 30 June *continued*

| Items                           | AGGREGATES..... |          |              |     | AVERAGES(a)..... |         |              |     |
|---------------------------------|-----------------|----------|--------------|-----|------------------|---------|--------------|-----|
|                                 | 1992-93         | 1993-94  | 1994-95..... |     | 1992-93          | 1993-94 | 1994-95..... |     |
|                                 | \$m             | \$m      | \$m          | SE% | \$'000           | \$'000  | \$'000       | SE% |
| <b>GRAIN 0121</b>               |                 |          |              |     |                  |         |              |     |
| Sales from crops                | 1 947.2         | 2 750.1  | 2 119.4      | 6   | 187.6            | 205.1   | 221.7        | 6   |
| Sales from livestock            | 205.8           | 337.9    | 284.7        | 11  | 19.8             | 25.2    | 29.8         | 11  |
| Sales from livestock products   | 169.9           | 242.1    | 217.4        | 12  | 16.4             | 18.1    | 22.7         | 11  |
| Turnover                        | 2 457.5         | 3 513.4  | 2 790.0      | 6   | 236.8            | 262.0   | 291.8        | 5   |
| Purchases and selected expenses | 1 388.3         | 2 071.1  | 1 607.1      | 6   | 133.8            | 154.5   | 168.1        | 5   |
| Value added(b)                  | 1 086.1         | 1 530.7  | 1 169.4      | 7   | 104.6            | 114.2   | 122.3        | 6   |
| Adjusted value added(b)         | 941.4           | 1 325.8  | 1 003.4      | 7   | 90.7             | 98.9    | 105.0        | 6   |
| Gross operating surplus         | 824.8           | 1 180.3  | 855.0        | 8   | 79.5             | 88.0    | 89.4         | 7   |
| Interest paid                   | 159.4           | 187.5    | 156.3        | 9   | 15.4             | 14.0    | 16.3         | 9   |
| Cash operating surplus(c)       | 666.2           | 921.2    | 731.3        | 9   | 64.2             | 68.7    | 76.5         | 8   |
| Gross indebtedness              | 1 636.3         | 2 319.2  | 2 015.6      | 10  | 157.7            | 173.0   | 210.8        | 9   |
| Total net capital expenditure   | 249.8           | 345.9    | 363.6        | 12  | 24.1             | 25.8    | 38.0         | 12  |
| Total value of assets           | 9 650.3         | 14 042.3 | 11 623.1     | 6   | 929.8            | 1 047.2 | 1 215.8      | 5   |
| Net indebtedness                | 931.1           | 1 381.0  | 1 230.0      | 15  | 89.7             | 103.0   | 128.7        | 14  |
| Net worth                       | 8 014.0         | 11 723.1 | 9 607.5      | 7   | 772.1            | 874.3   | 1 005.0      | 5   |
| <b>GRAIN-SHEEP/BEEF 0122</b>    |                 |          |              |     |                  |         |              |     |
| Sales from crops                | 1 860.1         | 1 404.8  | 1 624.8      | 7   | 99.0             | 88.1    | 96.3         | 6   |
| Sales from livestock            | 672.6           | 630.6    | 726.3        | 11  | 35.8             | 39.6    | 43.0         | 10  |
| Sales from livestock products   | 693.1           | 632.3    | 815.8        | 6   | 36.9             | 39.7    | 48.3         | 5   |
| Turnover                        | 3 442.9         | 2 825.6  | 3 397.3      | 6   | 183.2            | 177.2   | 201.3        | 5   |
| Purchases and selected expenses | 2 006.2         | 1 706.3  | 2 059.3      | 6   | 106.8            | 107.0   | 122.0        | 5   |
| Value added(b)                  | 1 511.8         | 1 447.6  | 1 249.1      | 7   | 80.5             | 90.8    | 74.0         | 6   |
| Adjusted value added(b)         | 1 262.5         | 1 238.8  | 1 012.1      | 8   | 67.2             | 77.7    | 60.0         | 7   |
| Gross operating surplus         | 1 056.8         | 1 054.4  | 820.5        | 9   | 56.2             | 66.1    | 48.6         | 9   |
| Interest paid                   | 278.7           | 186.2    | 286.7        | 11  | 14.8             | 11.7    | 17.0         | 10  |
| Cash operating surplus(c)       | 728.8           | 541.2    | 616.5        | 12  | 38.8             | 34.0    | 36.5         | 11  |
| Gross indebtedness              | 2 766.0         | 2 204.8  | 3 151.8      | 9   | 147.2            | 138.3   | 186.7        | 9   |
| Total net capital expenditure   | 304.4           | 252.7    | 377.2        | 11  | 16.2             | 15.9    | 22.3         | 11  |
| Total value of assets           | 19 143.4        | 16 857.7 | 18 315.7     | 6   | 1 018.7          | 1 057.4 | 1 085.1      | 4   |
| Net indebtedness                | 1 866.7         | 1 507.0  | 2 241.3      | 14  | 99.3             | 94.5    | 132.8        | 13  |
| Net worth                       | 16 377.5        | 14 652.9 | 15 163.9     | 6   | 871.5            | 919.1   | 898.3        | 5   |
| <b>SHEEP-BEEF CATTLE 0123</b>   |                 |          |              |     |                  |         |              |     |
| Sales from crops                | 38.6            | 31.3     | 126.0        | 35  | 4.3              | 3.6     | 11.8         | 34  |
| Sales from livestock            | 697.0           | 744.4    | 890.0        | 7   | 78.1             | 84.5    | 83.2         | 6   |
| Sales from livestock products   | 473.2           | 443.5    | 698.4        | 8   | 53.0             | 50.3    | 65.3         | 7   |
| Turnover                        | 1 295.0         | 1 295.7  | 1 857.3      | 7   | 145.0            | 147.0   | 173.6        | 6   |
| Purchases and selected expenses | 788.9           | 762.1    | 1 084.0      | 7   | 88.4             | 86.5    | 101.3        | 6   |
| Value added(b)                  | 585.7           | 814.0    | 665.2        | 10  | 65.6             | 92.4    | 62.2         | 10  |
| Adjusted value added(b)         | 463.3           | 687.6    | 509.7        | 13  | 51.9             | 78.0    | 47.6         | 12  |
| Gross operating surplus         | 311.7           | 537.5    | 363.5        | 17  | 34.9             | 61.0    | 34.0         | 17  |
| Interest paid                   | 124.1           | 102.0    | 144.8        | 10  | 13.9             | 11.6    | 13.5         | 10  |
| Cash operating surplus(c)       | 135.4           | 179.9    | 346.3        | 14  | 15.2             | 20.4    | 32.4         | 13  |
| Gross indebtedness              | 1 320.8         | 1 305.0  | 1 585.1      | 10  | 147.9            | 148.1   | 148.2        | 10  |
| Total net capital expenditure   | 64.1            | 106.7    | 102.8        | 13  | 7.2              | 12.1    | 9.6          | 14  |
| Total value of assets           | 11 716.2        | 12 134.3 | 14 865.1     | 7   | 1 312.1          | 1 377.0 | 1 389.7      | 6   |
| Net indebtedness                | 863.1           | 777.5    | 731.8        | 46  | 96.7             | 88.2    | 68.4         | 45  |
| Net worth                       | 10 395.4        | 10 829.3 | 13 280.0     | 8   | 1 164.2          | 1 228.9 | 1 241.5      | 7   |

(a) Averages have been calculated by dividing industry estimates by the estimated number of farm businesses in each industry.

(b) Includes an estimate for the value of the increase in livestock.

(c) Excludes an estimate for the value of the increase in livestock.

3.5 FARM BUSINESSES, Selected Financial Statistics—Years ended 30 June *continued*

| Items                           | AGGREGATES..... |          |              |     | AVERAGES(a)..... |         |              |     |
|---------------------------------|-----------------|----------|--------------|-----|------------------|---------|--------------|-----|
|                                 | 1992-93         | 1993-94  | 1994-95..... |     | 1992-93          | 1993-94 | 1994-95..... |     |
|                                 | \$m             | \$m      | \$m          | SE% | \$'000           | \$'000  | \$'000       | SE% |
| SHEEP 0124                      |                 |          |              |     |                  |         |              |     |
| Sales from crops                | 144.3           | 110.0    | 105.0        | 19  | 9.9              | 10.4    | 9.0          | 19  |
| Sales from livestock            | 498.8           | 317.2    | 392.0        | 10  | 34.2             | 30.0    | 33.6         | 9   |
| Sales from livestock products   | 899.8           | 783.6    | 1 060.1      | 8   | 61.7             | 74.0    | 90.8         | 7   |
| Turnover                        | 1 665.3         | 1 302.4  | 1 652.1      | 7   | 114.2            | 123.1   | 141.6        | 6   |
| Purchases and selected expenses | 960.9           | 735.5    | 863.6        | 8   | 65.9             | 69.5    | 74.0         | 7   |
| Value added(b)                  | 775.8           | 744.6    | 658.1        | 9   | 53.2             | 70.4    | 56.4         | 8   |
| Adjusted value added(b)         | 610.7           | 619.8    | 513.8        | 10  | 41.9             | 58.6    | 44.0         | 9   |
| Gross operating surplus         | 441.2           | 470.2    | 373.0        | 13  | 30.2             | 44.4    | 32.0         | 12  |
| Interest paid                   | 210.8           | 106.3    | 134.3        | 13  | 14.5             | 10.0    | 11.5         | 13  |
| Cash operating surplus(c)       | 185.1           | 195.4    | 372.1        | 13  | 12.7             | 18.5    | 31.9         | 12  |
| Gross indebtedness              | 2 045.4         | 1 283.2  | 1 417.0      | 13  | 140.2            | 121.2   | 121.4        | 13  |
| Total net capital expenditure   | 86.1            | 73.8     | 148.3        | 17  | 5.9              | 7.0     | 12.7         | 16  |
| Total value of assets           | 14 377.2        | 11 165.9 | 10 933.7     | 9   | 985.6            | 1 055.0 | 936.8        | 8   |
| Net indebtedness                | 1 384.8         | 683.9    | 950.1        | 18  | 94.9             | 64.6    | 81.4         | 18  |
| Net worth                       | 12 331.8        | 9 882.6  | 9 516.7      | 10  | 845.4            | 933.7   | 815.4        | 9   |
| BEEF CATTLE 0125                |                 |          |              |     |                  |         |              |     |
| Sales from crops                | 100.3           | 82.7     | 119.1        | 30  | 7.0              | 4.2     | 6.7          | 30  |
| Sales from livestock            | 2 187.1         | 2 810.2  | 2 617.4      | 5   | 153.3            | 143.5   | 148.4        | 5   |
| Sales from livestock products   | 45.5            | 71.7     | 77.5         | 33  | 3.2              | 3.7     | 4.4          | 32  |
| Turnover                        | 2 469.3         | 3 284.9  | 3 163.9      | 5   | 173.1            | 167.8   | 179.3        | 4   |
| Purchases and selected expenses | 1 496.9         | 2 038.1  | 2 002.6      | 6   | 105.0            | 104.1   | 113.5        | 5   |
| Value added(b)                  | 1 067.5         | 1 610.9  | 954.0        | 12  | 74.8             | 82.3    | 54.1         | 13  |
| Adjusted value added(b)         | 888.4           | 1 361.6  | 723.6        | 16  | 62.3             | 69.5    | 41.0         | 16  |
| Gross operating surplus         | 669.7           | 1 107.6  | 473.7        | 23  | 47.0             | 56.6    | 26.9         | 24  |
| Interest paid                   | 192.4           | 242.6    | 221.4        | 12  | 13.5             | 12.4    | 12.5         | 12  |
| Cash operating surplus(c)       | 431.1           | 551.3    | 503.1        | 14  | 30.2             | 28.2    | 28.5         | 14  |
| Gross indebtedness              | 2 165.7         | 2 860.9  | 3 071.2      | 9   | 151.8            | 146.1   | 174.1        | 9   |
| Total net capital expenditure   | 221.2           | 254.3    | 285.3        | 11  | 15.5             | 13.0    | 16.2         | 10  |
| Total value of assets           | 21 334.5        | 26 403.5 | 26 674.7     | 5   | 1 495.8          | 1 348.6 | 1 511.9      | 5   |
| Net indebtedness                | 1 081.8         | 1 413.0  | 1 471.6      | 23  | 75.8             | 72.2    | 83.4         | 23  |
| Net worth                       | 19 168.8        | 23 542.6 | 23 603.5     | 6   | 1 344.0          | 1 202.4 | 1 337.8      | 5   |
| DAIRY CATTLE 0130               |                 |          |              |     |                  |         |              |     |
| Sales from crops                | 35.5            | 61.4     | 39.6         | 41  | 2.7              | 4.6     | 2.9          | 41  |
| Sales from livestock            | 272.9           | 326.6    | 310.7        | 9   | 20.9             | 24.3    | 23.0         | 9   |
| Sales from livestock products   | 2 064.1         | 2 081.7  | 2 285.4      | 5   | 157.8            | 155.2   | 169.0        | 5   |
| Turnover                        | 2 476.4         | 2 585.9  | 2 718.2      | 4   | 189.3            | 192.8   | 201.0        | 4   |
| Purchases and selected expenses | 1 301.7         | 1 427.9  | 1 674.6      | 5   | 99.5             | 106.4   | 123.8        | 5   |
| Value added(b)                  | 1 240.8         | 1 301.8  | 1 375.4      | 5   | 94.8             | 97.0    | 101.7        | 5   |
| Adjusted value added(b)         | 1 121.5         | 1 178.9  | 1 232.0      | 5   | 85.7             | 87.9    | 91.1         | 6   |
| Gross operating surplus         | 978.8           | 1 013.3  | 1 071.4      | 6   | 74.8             | 75.5    | 79.2         | 7   |
| Interest paid                   | 147.5           | 163.1    | 185.7        | 9   | 11.3             | 12.2    | 13.7         | 9   |
| Cash operating surplus(c)       | 751.4           | 689.2    | 546.9        | 10  | 57.4             | 51.4    | 40.4         | 11  |
| Gross indebtedness              | 1 511.7         | 1 791.9  | 1 995.9      | 9   | 115.5            | 133.6   | 147.6        | 9   |
| Total net capital expenditure   | 251.1           | 286.3    | 227.2        | 12  | 19.2             | 21.3    | 16.8         | 12  |
| Total value of assets           | 12 168.4        | 12 190.9 | 13 690.7     | 4   | 930.0            | 908.8   | 1 012.2      | 4   |
| Net indebtedness                | 637.5           | 1 228.3  | 1 128.5      | 19  | 48.7             | 91.6    | 83.4         | 19  |
| Net worth                       | 10 656.7        | 10 399.0 | 11 694.7     | 4   | 814.5            | 775.2   | 864.7        | 4   |

(a) Averages have been calculated by dividing industry estimates by the estimated number of farm businesses in each industry.

(b) Includes an estimate for the value of the increase in livestock.

(c) Excludes an estimate for the value of the increase in livestock.

3.5 FARM BUSINESSES, Selected Financial Statistics—Years ended 30 June *continued*

| Items                           | AGGREGATES..... |         |              |     | AVERAGES(a)..... |         |              |     |
|---------------------------------|-----------------|---------|--------------|-----|------------------|---------|--------------|-----|
|                                 | 1992-93         | 1993-94 | 1994-95..... | SE% | 1992-93          | 1993-94 | 1994-95..... | SE% |
|                                 | \$m             | \$m     | \$m          |     | \$'000           | \$'000  | \$'000       |     |
| PIGS 0151                       |                 |         |              |     |                  |         |              |     |
| Sales from crops                | 23.7            | 48.0    | 37.0         | 29  | 16.8             | 30.1    | 28.3         | 29  |
| Sales from livestock            | 455.8           | 571.5   | 558.3        | 4   | 324.0            | 358.1   | 426.5        | 4   |
| Sales from livestock products   | 20.9            | 16.8    | 25.6         | 34  | 14.9             | 10.5    | 19.5         | 34  |
| Turnover                        | 520.9           | 680.6   | 666.6        | 4   | 370.2            | 426.4   | 509.2        | 5   |
| Purchases and selected expenses | 387.2           | 486.6   | 495.3        | 4   | 275.2            | 304.9   | 378.4        | 5   |
| Value added(b)                  | 144.7           | 206.4   | 172.6        | 10  | 102.8            | 129.3   | 131.8        | 11  |
| Adjusted value added(b)         | 125.7           | 180.6   | 142.9        | 12  | 89.4             | 113.1   | 109.2        | 13  |
| Gross operating surplus         | 75.4            | 128.2   | 84.9         | 19  | 53.6             | 80.3    | 64.8         | 19  |
| Interest paid                   | 17.7            | 24.8    | 26.7         | 15  | 12.6             | 15.5    | 20.4         | 15  |
| Cash operating surplus(c)       | 46.8            | 93.4    | 56.4         | 33  | 33.3             | 58.5    | 43.1         | 33  |
| Gross indebtedness              | 200.7           | 314.6   | 321.4        | 11  | 142.6            | 197.1   | 245.6        | 11  |
| Total net capital expenditure   | 30.0            | 32.0    | 45.4         | 14  | 21.3             | 20.1    | 34.7         | 14  |
| Total value of assets           | 1 271.0         | 1 694.4 | 1 549.8      | 6   | 903.4            | 1 061.7 | 1 183.9      | 7   |
| Net indebtedness                | 165.4           | 265.7   | 215.5        | 18  | 117.5            | 166.5   | 164.6        | 18  |
| Net worth                       | 1 070.4         | 1 379.8 | 1 228.3      | 8   | 760.7            | 864.5   | 938.4        | 8   |
| SUGAR 0161                      |                 |         |              |     |                  |         |              |     |
| Sales from crops                | 765.0           | 950.1   | 1 246.2      | 5   | 164.0            | 207.1   | 258.1        | 5   |
| Sales from livestock            | 7.3             | 19.1    | 12.4         | 33  | 1.6              | 4.2     | 2.6          | 33  |
| Sales from livestock products   | 0.1             | 0.2     | —            | —   | —                | —       | —            | —   |
| Turnover                        | 857.1           | 1 055.2 | 1 375.2      | 5   | 183.8            | 230.0   | 284.8        | 5   |
| Purchases and selected expenses | 441.2           | 579.4   | 621.7        | 6   | 94.6             | 126.3   | 128.8        | 5   |
| Value added(b)                  | 420.6           | 479.0   | 754.7        | 6   | 90.2             | 104.4   | 156.3        | 6   |
| Adjusted value added(b)         | 373.7           | 423.1   | 685.8        | 6   | 80.1             | 92.2    | 142.1        | 6   |
| Gross operating surplus         | 320.4           | 333.5   | 565.7        | 6   | 68.7             | 72.7    | 117.2        | 6   |
| Interest paid                   | 49.4            | 42.2    | 40.6         | 19  | 10.6             | 9.2     | 8.4          | 19  |
| Cash operating surplus(c)       | 274.1           | 301.3   | 533.5        | 8   | 58.8             | 65.7    | 110.5        | 7   |
| Gross indebtedness              | 544.8           | 611.3   | 754.4        | 19  | 116.8            | 133.3   | 156.3        | 19  |
| Total net capital expenditure   | 60.9            | 138.3   | 140.6        | 16  | 13.1             | 30.1    | 29.1         | 16  |
| Total value of assets           | 4 497.9         | 5 155.9 | 5 224.7      | 7   | 964.4            | 1 124.0 | 1 082.2      | 7   |
| Net indebtedness                | 278.0           | 219.4   | 326.7        | 39  | 59.6             | 47.8    | 67.7         | 39  |
| Net worth                       | 3 953.1         | 4 544.6 | 4 470.3      | 8   | 847.6            | 990.8   | 925.9        | 8   |
| COTTON 0162                     |                 |         |              |     |                  |         |              |     |
| Sales from crops                | 771.7           | 659.6   | 676.9        | 9   | 1 038.6          | 1 157.2 | 866.7        | 11  |
| Sales from livestock            | 82.1            | 33.9    | 17.0         | 11  | 110.5            | 59.5    | 21.8         | 16  |
| Sales from livestock products   | 25.6            | 12.2    | 7.5          | 11  | 34.5             | 21.4    | 9.5          | 15  |
| Turnover                        | 921.3           | 777.9   | 790.1        | 8   | 1 240.0          | 1 364.7 | 1 011.7      | 11  |
| Purchases and selected expenses | 547.8           | 473.5   | 484.0        | 9   | 737.2            | 830.7   | 619.7        | 11  |
| Value added(b)                  | 369.4           | 315.2   | 313.0        | 10  | 497.1            | 553.1   | 400.7        | 11  |
| Adjusted value added(b)         | 316.7           | 277.1   | 265.8        | 11  | 426.3            | 486.1   | 340.4        | 12  |
| Gross operating surplus         | 231.7           | 210.3   | 193.0        | 14  | 311.8            | 368.9   | 247.1        | 14  |
| Interest paid                   | 60.9            | 47.9    | 63.1         | 11  | 82.0             | 84.0    | 80.9         | 13  |
| Cash operating surplus(c)       | 174.2           | 152.4   | 125.5        | 21  | 234.4            | 267.3   | 160.6        | 21  |
| Gross indebtedness              | 756.7           | 620.5   | 890.4        | 11  | 1 018.5          | 1 088.6 | 1 140.1      | 14  |
| Total net capital expenditure   | 81.5            | 77.3    | 80.4         | 16  | 109.6            | 135.5   | 102.9        | 16  |
| Total value of assets           | 2 926.3         | 2 503.2 | 3 060.7      | 8   | 3 938.5          | 4 391.5 | 3 919.0      | 11  |
| Net indebtedness                | 448.3           | 265.9   | 436.0        | 25  | 603.3            | 466.4   | 558.2        | 25  |
| Net worth                       | 2 169.6         | 1 882.7 | 2 170.3      | 8   | 2 920.0          | 3 303.0 | 2 778.9      | 12  |

(a) Averages have been calculated by dividing industry estimates by the estimated number of farm businesses in each industry.

(b) Includes an estimate for the value of the increase in livestock.

(c) Excludes an estimate for the value of the increase in livestock.



3.5 FARM BUSINESSES, Selected Financial Statistics—Years ended 30 June *continued*

| Items  | AGGREGATES..... |           |                 |     | AVERAGES(a)..... |         |              |     |
|--|-----------------|-----------|-----------------|-----|------------------|---------|--------------|-----|
|  | 1992-93         | 1993-94   | 1994-95(b)..... |     | 1992-93          | 1993-94 | 1994-95..... |     |
|  | \$m             | \$m       | \$m             | SE% | \$'000           | \$'000  | \$'000       | SE% |
| OTHER AGRICULTURE 0111-0112, 0151-0159, 0169 |                 |           |                 |     |                  |         |              |     |
| Sales from crops                             | 688.2           | 861.5     | 924.0           | 11  | 145.4            | 174.7   | 133.2        | 12  |
| Sales from livestock                         | 55.8            | 133.4     | 370.1           | 23  | 11.8             | 27.1    | 53.4         | 23  |
| Sales from livestock products                | 68.9            | 21.3      | 333.1           | 14  | 14.6             | 4.3     | 48.0         | 15  |
| Turnover                                     | 877.7           | 1 085.3   | 1 838.9         | 8   | 185.5            | 220.1   | 265.2        | 9   |
| Purchases and selected expenses              | 388.1           | 540.5     | 1 028.7         | 9   | 82.0             | 109.6   | 148.3        | 10  |
| Value added(c)                               | 475.4           | 557.9     | 798.9           | 10  | 100.5            | 113.1   | 115.2        | 11  |
| Adjusted value added(c)                      | 403.1           | 477.9     | 656.8           | 11  | 85.2             | 96.9    | 94.7         | 12  |
| Gross operating surplus                      | 201.0           | 180.9     | 306.0           | 18  | 42.5             | 36.7    | 44.1         | 19  |
| Interest paid                                | 55.7            | 49.5      | 106.4           | 13  | 11.8             | 10.0    | 15.3         | 12  |
| Cash operating surplus(d)                    | 166.6           | 111.3     | 214.5           | 22  | 35.2             | 22.6    | 30.9         | 23  |
| Gross indebtedness                           | 556.5           | 741.8     | 1 261.8         | 11  | 117.6            | 150.4   | 181.9        | 11  |
| Total net capital expenditure                | 57.6            | 95.6      | 105.6           | 13  | 12.2             | 19.4    | 15.2         | 14  |
| Total value of assets                        | 3 468.1         | 4 000.0   | 6 672.5         | 8   | 732.9            | 811.2   | 962.1        | 7   |
| Net indebtedness                             | 307.0           | 412.2     | 713.2           | 21  | 64.9             | 83.6    | 102.8        | 21  |
| Net worth                                    | 2 911.7         | 3 258.2   | 5 410.7         | 9   | 615.3            | 660.8   | 780.2        | 8   |
| AGRICULTURE, ALL INDUSTRIES                  |                 |           |                 |     |                  |         |              |     |
| Sales from crops                             | 8 594.6         | 9 369.5   | 9 804.2         | 3   | 81.0             | 87.1    | 91.4         | 3   |
| Sales from livestock                         | 5 431.1         | 6 232.5   | 6 279.1         | 3   | 51.2             | 58.0    | 58.5         | 3   |
| Sales from livestock products                | 4 770.9         | 4 637.3   | 5 596.3         | 3   | 45.0             | 43.1    | 52.2         | 3   |
| Turnover                                     | 20 068.2        | 21 694.3  | 23 516.3        | 2   | 189.2            | 201.7   | 219.2        | 2   |
| Purchases and selected expenses              | 11 392.6        | 12 541.1  | 13 517.0        | 2   | 107.4            | 116.6   | 126.0        | 2   |
| Value added(c)                               | 9 099.5         | 10 598.4  | 9 768.1         | 2   | 85.8             | 98.6    | 91.0         | 2   |
| Adjusted value added(c)                      | 7 753.3         | 9 178.5   | 8 234.3         | 3   | 73.1             | 85.4    | 76.8         | 3   |
| Gross operating surplus                      | 5 832.7         | 7 081.2   | 6 006.0         | 3   | 55.0             | 65.8    | 56.0         | 3   |
| Interest paid                                | 1 499.2         | 1 302.0   | 1 508.9         | 4   | 14.1             | 12.1    | 14.1         | 4   |
| Cash operating surplus(d)                    | 4 083.2         | 4 433.3   | 4 835.7         | 4   | 38.5             | 41.2    | 45.1         | 4   |
| Gross indebtedness                           | 15 390.5        | 15 921.7  | 18 267.7        | 3   | 145.1            | 148.1   | 170.3        | 3   |
| Total net capital expenditure                | 1 660.2         | 1 945.0   | 2 090.8         | 4   | 15.7             | 18.1    | 19.5         | 4   |
| Total value of assets                        | 111 259.0       | 116 600.7 | 122 198.4       | 2   | 1 049.0          | 1 084.3 | 1 139.0      | 2   |
| Net indebtedness                             | 8 963.3         | 9 142.0   | 10 385.8        | 7   | 84.5             | 85.0    | 96.8         | 7   |
| Net worth                                    | 95 868.5        | 100 679.0 | 103 930.7       | 2   | 903.9            | 936.2   | 968.7        | 2   |

(a) Averages have been calculated by dividing industry estimates by the estimated number of farm businesses in each industry.

(b) Poultry industries 0141-0142 included in 'Other agriculture' for 1994-95.

(c) Includes an estimate for the value of the increase in livestock.

(d) Excludes an estimate for the value of the increase in livestock.

## SPECIAL ARTICLE — FARM INDEBTEDNESS ...

### OVERVIEW

Information in this paper is based on data collected in the 1994–95 AFS. The survey, conducted annually since 1986–87, is the most comprehensive source of financial statistics about Australian farm businesses. A sample of approximately 2,500 farm businesses was selected Australia-wide from the population of approximately 107,000 farm businesses with an estimated value of agricultural operations of \$22,500 or more. Comprehensive financial data are collected, including income, expenses, debt, interest paid, asset acquisition and asset value.

The overall level of indebtedness of Australian farm businesses has generally increased since the current series of the AFS began. In particular there has been a trend for a smaller number of farm businesses accounting for a greater proportion of total farm debt. The effect of the drought has contributed to the increase in the level of indebtedness of Australian farm businesses.

### FARM DEBT

Gross indebtedness refers to amounts owed by farm businesses at 30 June to banks, pastoral companies and other lending institutions. At the end of 1994–95, Australian farm businesses owed \$18,267.7 million, \$2,246.0 million (14.7%) above the level of debt at the end of 1993–94. New South Wales farm businesses had the highest gross indebtedness of all States, with \$5,143.2 million (28.2%) of the nation's total. Tasmania was the only State to show a decrease in gross debt, with a fall from \$480.5 million in 1993–94 to \$462.1 million at 30 June 1995.

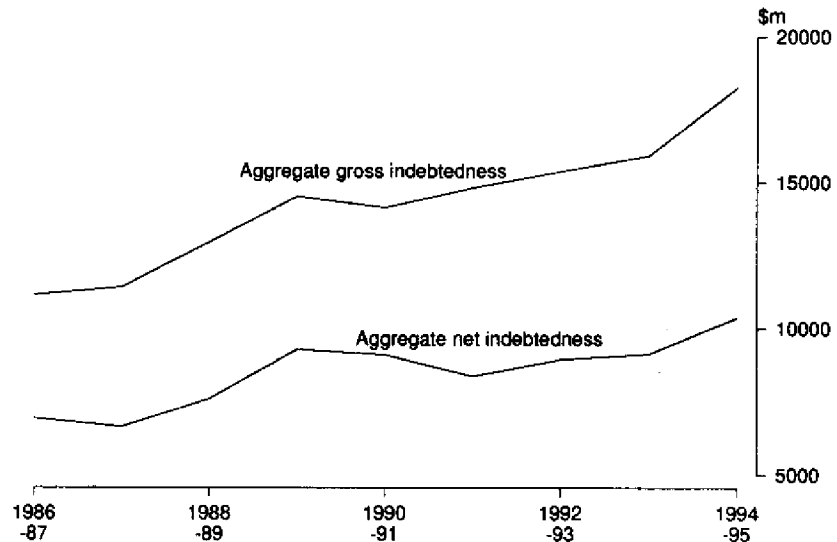
Net indebtedness (gross indebtedness less the value of financial assets) was \$10,385.8 million at 30 June 1995, \$1,243.8 million (13.6%) higher than at 30 June 1994. New South Wales farm businesses had the highest level of net indebtedness of all States, with a net debt of \$2,728.2 million, just above the Queensland level of \$2,645.1 million.

#### SA2.1 AGGREGATE GROSS AND NET INDEBTEDNESS—At 30 June

| State             | GROSS INDEBTEDNESS..... |                 | NET INDEBTEDNESS..... |                 |
|-------------------|-------------------------|-----------------|-----------------------|-----------------|
|                   | 1993-94                 | 1994-95         | 1993-94               | 1994-95         |
|                   | \$m                     | \$m             | \$m                   | \$m             |
| New South Wales   | 4 407.4                 | 5 143.2         | 2 239.5               | 2 728.2         |
| Victoria          | 2 659.7                 | 3 025.8         | 1 854.4               | 2 028.4         |
| Queensland        | 4 201.1                 | 4 924.3         | 2 270.3               | 2 645.1         |
| South Australia   | 1 591.8                 | 1 604.7         | 968.2                 | 1 085.0         |
| Western Australia | 2 459.3                 | 2 987.6         | 1 320.9               | 1 632.0         |
| Tasmania          | 480.5                   | 462.1           | 383.8                 | 294.5           |
| <b>Australia</b>  | <b>18 921.7</b>         | <b>18 267.7</b> | <b>9 142.0</b>        | <b>10 385.8</b> |

FARM DEBT *continued*

The level of gross indebtedness in Australia has continued to rise since 1987–88 with the exception of 1990–91 when a slight decrease was recorded.



## DEBT DISTRIBUTION

The average gross indebtedness for Australian farm businesses at 30 June 1995 was \$170,300, 15.0% higher than the average debt of \$148,057 the previous year. The median debt at 30 June 1995 was \$53,400.

**SA2.2 GROSS INDEBTEDNESS—At 30 June**

| Year | Average<br>\$ | Median<br>\$ |
|------|---------------|--------------|
| 1987 | 96 700        | 32 600       |
| 1988 | 99 900        | 24 600       |
| 1989 | 114 400       | 26 000       |
| 1990 | 126 400       | 29 200       |
| 1991 | 130 600       | 34 000       |
| 1992 | 135 200       | 43 700       |
| 1993 | 145 100       | 44 500       |
| 1994 | 148 100       | 44 800       |
| 1995 | 170 300       | 53 400       |

At 30 June 1995, 22.0% of farm businesses owed 78.1% of Australia's farm debt. Conversely, 24.2% of farm businesses had no debt. The large contribution to total gross indebtedness by a relatively small number of farm businesses contributed substantially to the high average gross indebtedness.

DEBT DISTRIBUTION *continued*

At 30 June 1987, the distribution of debt was considerably different to that reported at 30 June 1995. While 24.2% of farm businesses had no debt in 1986-87 (24.2% in 1994-95), the number of farm businesses owing \$200,000 or more was 11.3% (22.0% in 1994-95). Farm businesses with gross indebtedness exceeding \$200,000 accounted for a greater proportion of total farm debt.

**SA2.3 GROSS INDEBTEDNESS—At 30 June 1995**

| Size of gross indebtedness | Farm businesses..... |              | Gross indebtedness.... |              |
|----------------------------|----------------------|--------------|------------------------|--------------|
|                            | no.                  | %            | \$m                    | %            |
| Nil                        | 26 006               | 24.2         | —                      | —            |
| \$1-\$4 999                | 6 214                | 5.8          | 14.5                   | 0.1          |
| \$5 000-\$9 999            | 3 059                | 2.9          | 21.7                   | 0.1          |
| \$10 000-\$24 999          | 7 540                | 7.0          | 130.2                  | 0.7          |
| \$25 000-\$49 999          | 9 858                | 9.2          | 371.3                  | 2.0          |
| \$50 000-\$99 999          | 14 326               | 13.4         | 1 065.3                | 5.8          |
| \$100 000-\$199 999        | 16 663               | 15.5         | 2 399.0                | 13.1         |
| \$200 000 and over         | 23 616               | 22.0         | 14 265.7               | 78.1         |
| <b>Total</b>               | <b>107 286</b>       | <b>100.0</b> | <b>18 267.7</b>        | <b>100.0</b> |

## DEBT BY INDUSTRY

On an industry basis, cotton farming businesses had the largest average net indebtedness of all industries, with the average cotton farming businesses owing \$558,200. The pig industry had the next highest level of average net indebtedness at \$164,600. The fruit industry had the lowest average net indebtedness of all industries at \$57,400 at 30 June 1995.

The level of net indebtedness in the grain and grain-sheep/beef industry rose by 25.0% and 40.5% respectively from 30 June 1994 to 30 June 1995. This increase in net indebtedness was largely a result of the effects of the drought.

**SA2.4 AVERAGE NET INDEBTEDNESS—At 30 June**

| Industry                   | 1993-94 | 1994-95 | Change |
|----------------------------|---------|---------|--------|
|                            | \$      | \$      | %      |
| Fruit                      | 29 100  | 57 400  | 97.3   |
| Vegetables                 | 131 700 | 96 700  | -26.6  |
| Grain                      | 103 000 | 128 700 | 25.0   |
| Grain-sheep/beef           | 94 500  | 132 800 | 40.5   |
| Sheep-beef cattle          | 88 200  | 68 400  | -22.4  |
| Sheep                      | 64 800  | 81 400  | 26.0   |
| Beef cattle                | 72 200  | 83 400  | 15.5   |
| Dairy cattle               | 91 600  | 83 400  | -9.0   |
| Pigs                       | 166 500 | 164 600 | -1.1   |
| Sugar                      | 47 800  | 67 700  | 41.6   |
| Cotton                     | 466 400 | 558 200 | 19.7   |
| Agriculture all industries | 85 000  | 96 800  | 13.9   |

## SOURCE OF DEBT

Banks are the largest source of finance for Australian farm businesses. At 30 June 1995, Australian farm businesses owed banks \$11,351.5 million, 62.1% of the total amount owed. The amount owed to banks increased by \$1,158.2 million (11.4%) since June 1994. The debt to banks was almost equally divided between non-current (i.e. long-term) and current loans (overdraft and other short-term). The latter amounted to \$5,896.1 million at the end of 1994-95. Pastoral and insurance companies and Government agencies were owed \$1,573.5 million, 8.6% of the total debt. Other sources of funds included hire-purchase or other instalment credit and finance leasing.

## SA2.5 SOURCE OF DEBT—At 30 June

|  | 1993-94         | 1994-95         |
|--|-----------------|-----------------|
|  | \$m             | \$m             |
| Bank finance   |                 |                 |
| Current  | 5 582.4         | 5 896.1         |
| Non-current  | 4 610.9         | 5 455.4         |
| Finance company  | 227.5           | 232.5           |
| Government agencies  | 1 162.9         | 1 236.9         |
| Pastoral, insurance company,<br>building society and credit unions | 458.7           | 336.6           |
| Leasing finance  | 491.5           | 599.9           |
| Hire-purchase  | 183.5           | 256.5           |
| Other  |                 |                 |
| Current  | 1 084.6         | 1 622.2         |
| Non-current  | 2 119.7         | 2 631.7         |
| <b>Total</b>   | <b>15 921.7</b> | <b>18 267.7</b> |

## FARM BUSINESS PERFORMANCE RATIOS

The debt to asset ratio is a measure of the level of asset backing for every dollar of debt owed by farm businesses. The debt to asset ratio is calculated by dividing total value of assets by gross indebtedness. The result is expressed as a ratio.

At 30 June 1995 the debt to asset ratio was 1:6.7, i.e. for every dollar of debt there was \$6.70 of asset backing. This compares with the 1994 level of 1:7.3, and 1:9.2 in 1989. Farm businesses owing \$200,000 or more had a debt to asset ratio of 1:3.4.

The turnover to debt ratio for Australian farm businesses in 1994-95 was 1:0.73. This means that for every dollar of turnover there was 73 cents of debt. This ratio changed little from the previous year when it was 1:0.72. The turnover to debt ratio for these farm businesses was 1:1.3 (i.e. turnover generated in 1994-95 was less than the aggregate debt).

## FARM BUSINESS INTEREST PAYMENTS

Aggregate farm business interest payments increased to \$1,508.9 million in 1994-95, an increase of 15.9% on the \$1,302.0 million paid in 1993-94.

The average interest paid per farm business in Australia for 1994-95 was \$14,100, 16.5% higher than the average of \$12,100 paid in 1993-94. Western Australia had the highest average interest payment per farm business (\$20,300) while Victoria had the lowest (\$10,400).

## SA2.6 AVERAGE INTEREST PAYMENT PER FARM BUSINESS

| State             | 1993-94       | 1994-95       |
|-------------------|---------------|---------------|
|                   | \$            | \$            |
| New South Wales   | 12 900        | 14 600        |
| Victoria          | 8 700         | 10 400        |
| Queensland        | 14 400        | 15 900        |
| South Australia   | 9 600         | 12 300        |
| Western Australia | 16 300        | 20 300        |
| Tasmania          | 11 700        | 12 500        |
| <b>Australia</b>  | <b>12 100</b> | <b>14 100</b> |

The interest coverage ratio is a measure of the number of times the farm interest bill could be paid out of cash operating surplus before the deduction of interest. This ratio is calculated by summing the cash operating surplus and interest paid then dividing by the total interest paid. In 1994-95 the ratio for Australia was 4.2. This means that the interest bill for Australia could be paid 4.2 times out of cash operating surplus. The 1994-95 ratio is only slightly below the 1993-94 figure of 4.4 and well above the figure for 1991-92 of 2.7.

## SECTION 4

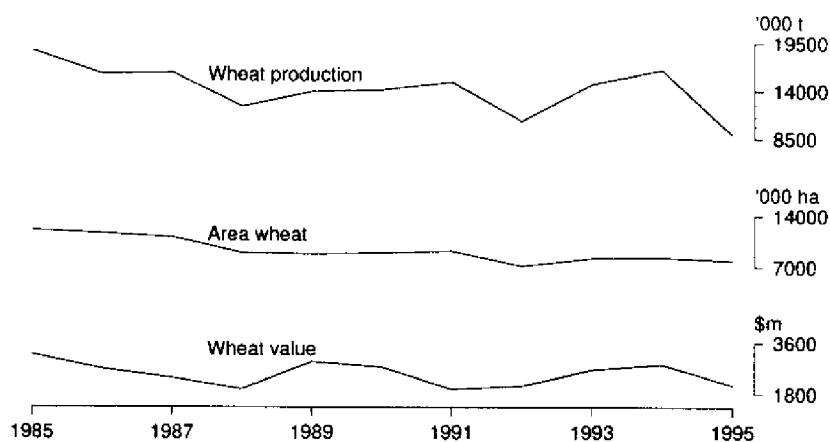
## CROPS AND PASTURES .....

### WHEAT

Unfavourable seasonal conditions, especially in the major wheat growing regions of New South Wales and Queensland, were the major forces behind the fall in wheat production in 1994-95. However, a slump in world wheat production in general generated upward pressure on wheat prices (ABARE, March 1995) which helped to compensate for some of the problems experienced by wheat growers.

The area sown to wheat fell by 5.9% to 7.9 million hectares. However, production was down by 45.6% to 9.0 million tonnes, with New South Wales falling by 82.8% to 0.9 million tonnes and Queensland by 59.5% to 0.2 million tonnes. The yield per hectare fell by 76.9% in New South Wales and 57.7% in Victoria. The gross value for wheat fell by 25.8% to \$2,127.2 million. The gross unit value for wheat was \$237.10, an increase of 36.3%. Marketing costs for wheat were estimated at \$254.2 million.

Western Australia was not affected by the drought experienced in the eastern States and produced 5.4 million tonnes, 60.6% of the total wheat production with a reduced yield of 17.6%. Gross value increased 13.0% to \$1,307.4 million.



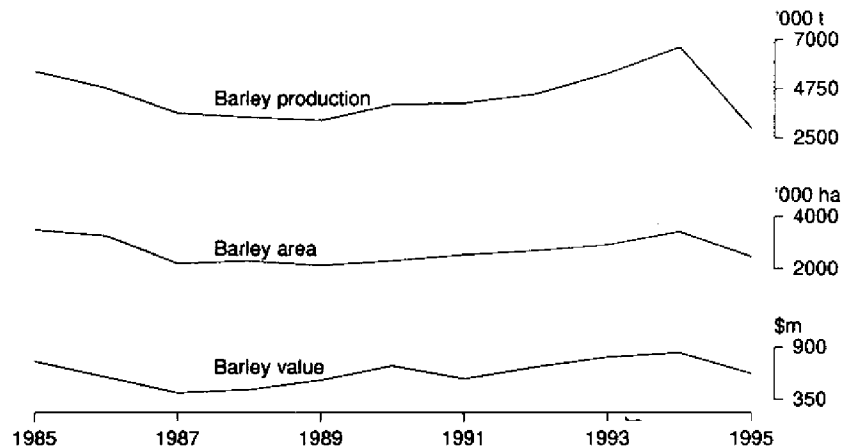
### OATS

Australia's feedgrain supplies were also substantially affected by the national drought. The area of oats sown fell by 5.3% to 0.9 million hectares. Production fell by 43.9% to 0.9 million tonnes, yield fell by 41.2% to 1 tonne per hectare. Gross value of oats fell by 12.1% to \$165.8 million, whereas average gross unit value increased by almost 100.0% to \$179.40.

## BARLEY

The area of barley sown in 1994–95 fell by 27.9% to 2.5 million hectares. Production fell by 56.3% to 6.7 million tonnes, yield fell by 36.8% to 1.2 tonnes per hectare, and gross value of barley fell 26.4% to \$622.2 million. South Australia contributed 1.2 million tonnes (39.8%) and \$250.6 million (40.3%) of the gross value of the total barley crop. The average gross unit value for barley increased 68.6% to \$213.58.

## GRAIN SORGHUM



Four successive years of drought has meant that grain sorghum struggled to meet the demand from intensive livestock industries. The area of grain sorghum sown in 1994–95 increased by 37.7% to 0.7 million hectares. Production increased by 17.4% to 1.3 million tonnes, while yield fell by 13.6% to 1.9 tonnes per hectare. Gross value increased by 40.1% to \$241.8 million. Queensland produced almost 72.0% (0.9 million tonnes) of the total crop, with a gross value of \$173.2 million.

## RICE

Despite the shortage of water supplies, rice production was not adversely affected by the drought conditions. The area of rice sown fell by 4.8% to 119 thousand hectares. Production fell by 2.5% to 1,016 thousand tonnes with a slight increase in yield to 8.5 tonnes per hectare. The gross value of rice fell by 17.4% to \$216.1 million.

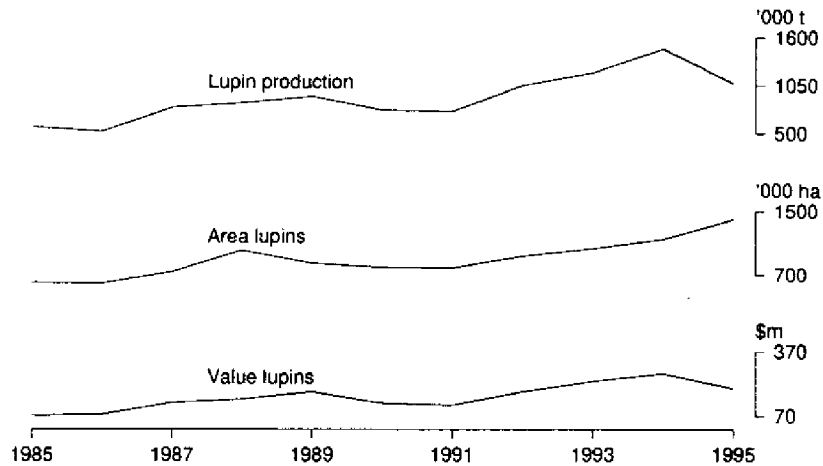
## COTTON

Production of cotton increased by 1.0% to 0.8 million tonnes despite some growers experiencing water shortages during the past three years. Those growers who were able to produce a crop in 1994–95 took advantage of the strong world cotton prices resulting from a surge in demand for fibres. Gross value for cotton increased by 30.5% to \$851.2 million.



## LUPINS

The area of lupins sown in 1994–95 increased by 22.3% to 1.4 million hectares. Production fell by 27.3% to 1.1 million tonnes, yield fell by 38.5% to 0.8 tonnes per hectare and gross value of lupins fell by 26.3% to \$199.0 million. Western Australia produced 91.3% of the total crop with a gross value of \$177.3 million.



## CANOLA

The area of canola sown in 1994–95 increased by 101.1% to 356 thousand hectares. However, production declined by 13.4% to 264 thousand tonnes and yield fell by 58.8% to 0.7 tonnes per hectare. Gross value of canola declined by 10.5% to \$96.7 million. Production in Western Australia increased by 129.8% to 108 thousand tonnes with a gross value of \$39.3 million. The yield was 1 tonne per hectare. A growing domestic and world market is expected to enhance both the production and returns of this industry into the future.

## OTHER OILSEEDS

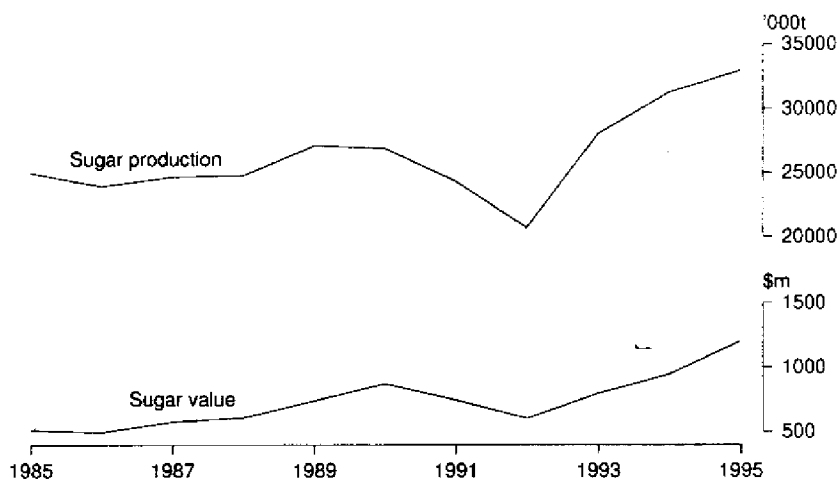
Other oilseeds (including soybean and sunflower) planted during the 1994–95 season declined by 14.8% to 184 thousand hectares. Production fell by 35.8% to 154 thousand tonnes and the gross value fell by 34.7% to \$62.4 million. Sunflower production remained buoyant during 1994–95 but New South Wales, Victoria and Queensland all experienced sharp falls in the production of safflower and soybean.

## PASTURE CUT FOR HAY

Area of pasture cut for hay fell by 6.3% to 0.9 million hectares. Production fell by 15.8% to 3.4 million tonnes. Gross value for pastures cut for hay increased by 16.3% to \$588.3 million, due to increased average unit values in response to severe stock feed shortages. Failed cereal crops were turned over to hay and greater areas of available land were assigned to hay production.

## SUGAR

Production of sugar cane for crushing increased by 5.3% to 33.0 million tonnes, while the yield decreased slightly, 1.9% to 90.8 tonnes per hectare. Production has also increased since 1985–86 by 35.1% to 33.0 million tonnes. In 1985–86 sugar cane for crushing had a gross value of \$494.2 million. By 1994–95, the gross value had increased by 144.4% to \$1,207.7. The largest rise occurred in the three years since 1991–92 during which time the gross value increased by 99.6%. In 1985–86 the average unit value for sugar cane was \$20.25 per tonne, but by 1994–95 this had increased by 80.9% to \$36.63 per tonne.



## 4.1 PRINCIPAL CROPS, Production, Area and Yield—Years ended 31 March

|                             | Unit    | AUST. .... |        |       | 1995 ..... |      |      |       |       |      |      |
|-----------------------------|---------|------------|--------|-------|------------|------|------|-------|-------|------|------|
|                             |         | 1993(a)    | 1994   | 1995  | NSW        | Vic. | Qld  | SA    | WA    | Tas. | NT   |
| <b>Cereals for grain</b>    |         |            |        |       |            |      |      |       |       |      |      |
| <b>Barley</b>               |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 5 460      | 6 668  | 2 913 | 291        | 448  | 73   | 1 159 | 915   | 27   | n.c. |
| Area                        | '000 ha | 2 982      | 3 424  | 2 470 | 410        | 492  | 93   | 882   | 579   | 14   | n.c. |
| Yield                       | t/ha    | 1.8        | 1.9    | 1.2   | 0.7        | 0.9  | 0.8  | 1.3   | 1.6   | 1.9  | ..   |
| <b>Grain sorghum</b>        |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 558        | 1 084  | 1 273 | 347        | 8    | 916  | n.c.  | 2     | n.c. | 1    |
| Area                        | '000 ha | 436        | 499    | 687   | 161        | 6    | 519  | n.c.  | —     | n.c. | —    |
| Yield                       | t/ha    | 1.3        | 2.2    | 1.9   | 2.2        | 1.3  | 1.8  | ..    | —     | ..   | 2.2  |
| <b>Maize</b>                |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 205        | 204    | 242   | 145        | 5    | 80   | n.c.  | 11    | n.c. | 1    |
| Area                        | '000 ha | 46         | 44     | 50    | 21         | 1    | 27   | n.c.  | 2     | n.c. | —    |
| Yield                       | t/ha    | 4.4        | 4.7    | 4.8   | 7.1        | 7.4  | 2.9  | ..    | 7.0   | ..   | —    |
| <b>Oats</b>                 |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 1 967      | 1 647  | 924   | 197        | 201  | 3    | 87    | 425   | 11   | n.c. |
| Area                        | '000 ha | 1 167      | 947    | 897   | 375        | 148  | 14   | 95    | 256   | 8    | n.c. |
| Yield                       | t/ha    | 1.7        | 1.7    | 1.0   | 0.5        | 1.4  | 0.2  | 0.9   | 1.7   | 1.4  | ..   |
| <b>Rice</b>                 |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 861        | 1 042  | 1 016 | 1 016      | n.c. | n.c. | n.c.  | n.c.  | n.c. | —    |
| Area                        | '000 ha | 107        | 125    | 119   | 119        | n.c. | n.c. | n.c.  | n.c.  | n.c. | —    |
| Yield                       | t/ha    | 8.1        | 8.4    | 8.5   | 8.5        | ..   | ..   | ..    | ..    | ..   | —    |
| <b>Triticale</b>            |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 283        | 263    | 182   | 54         | 66   | 1    | 44    | 12    | 5    | n.c. |
| Area                        | '000 ha | 122        | 129    | 153   | 49         | 47   | 1    | 41    | 14    | 1    | n.c. |
| Yield                       | t/ha    | 2.3        | 2.0    | 1.2   | 1.1        | 1.4  | 1.2  | 1.1   | 0.9   | 3.3  | ..   |
| <b>Wheat</b>                |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 14 822     | 16 479 | 8 961 | 875        | 934  | 225  | 1 487 | 5 438 | 3    | n.c. |
| Area                        | '000 ha | 8 321      | 8 383  | 7 891 | 1 424      | 822  | 401  | 1 395 | 3 848 | 1    | n.c. |
| Yield                       | t/ha    | 1.8        | 2.0    | 1.1   | 0.6        | 1.1  | 0.6  | 1.1   | 1.4   | 2.2  | ..   |
| <b>Legumes</b>              |         |            |        |       |            |      |      |       |       |      |      |
| <b>Lupins for grain</b>     |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 1 199      | 1 480  | 1 076 | 14         | 23   | —    | 56    | 982   | —    | n.c. |
| Area                        | '000 ha | 1 036      | 1 150  | 1 407 | 107        | 64   | —    | 83    | 1 152 | 1    | n.c. |
| Yield                       | t/ha    | 1.2        | 1.3    | 0.8   | 0.1        | 0.4  | —    | 0.7   | 0.9   | 0.6  | ..   |
| <b>Field peas for grain</b> |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 460        | 558    | 240   | 5          | 69   | n.c. | 141   | 24    | 1    | n.c. |
| Area                        | '000 ha | 386        | 400    | 461   | 27         | 223  | n.c. | 167   | 43    | —    | n.c. |
| Yield                       | t/ha    | 1.2        | 1.4    | 0.5   | 0.2        | 0.3  | ..   | 0.8   | 0.6   | 1.5  | ..   |
| <b>Crops for hay</b>        |         |            |        |       |            |      |      |       |       |      |      |
| <b>Oats</b>                 |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 981        | 931    | 745   | 90         | 144  | n.c. | 168   | 344   | n.c. | n.c. |
| Area                        | '000 ha | 247        | 233    | 252   | 50         | 42   | n.c. | 68    | 92    | n.c. | n.c. |
| Yield                       | t/ha    | 4.0        | 4.0    | 3.0   | 1.8        | 3.4  | ..   | 2.5   | 3.8   | ..   | ..   |
| <b>Wheat</b>                |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 60         | 65     | 64    | 64         | n.c. | n.c. | n.c.  | n.c.  | n.c. | n.c. |
| Area                        | '000 ha | 21         | 17     | 36    | 36         | n.c. | n.c. | n.c.  | n.c.  | n.c. | n.c. |
| Yield                       | t/ha    | 2.9        | 3.7    | 1.8   | 1.8        | ..   | ..   | ..    | ..    | ..   | ..   |
| <b>Other</b>                |         |            |        |       |            |      |      |       |       |      |      |
| Production                  | '000 t  | 179        | 232    | 261   | 38         | 70   | 55   | 48    | 41    | 7    | 3    |
| Area                        | '000 ha | 56         | 71     | 94    | 15         | 25   | 17   | 22    | 13    | 2    | 1    |
| Yield                       | t/ha    | 3.2        | 3.3    | 2.7   | 2.5        | 2.8  | 3.2  | 2.2   | 3.2   | 3.5  | 3.0  |

(a) See Explanatory Notes, paragraphs 3 and 4.

4.1 PRINCIPAL CROPS, Production, Area and Yield—Years ended 31 March *continued*

| Unit                                    | AUST. .... |        |        | 1995 ..... |       |       |        |      |      |      |      |
|---|------------|--------|--------|------------|-------|-------|--------|------|------|------|------|
|   | 1993(a)    | 1994   | 1995   | NSW        | Vic.  | Qld   | SA     | WA   | Tas. | NT   |      |
| <b>Oilseeds</b>                         |            |        |        |            |       |       |        |      |      |      |      |
| <b>Canola</b>                           |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 179    | 305    | 264        | 73    | 57    | —      | 26   | 108  | —    | n.c. |
| Area                                    | '000 ha    | 108    | 177    | 356        | 153   | 74    | —      | 25   | 104  | —    | n.c. |
| Yield                                   | t/ha       | 1.7    | 1.7    | 0.7        | 0.5   | 0.8   | —      | 1.1  | 1.0  | —    | ..   |
| <b>Other</b>                            |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 130    | 240    | 154        | 73    | 12    | 64     | 4    | —    | n.c. | n.c. |
| Area                                    | '000 ha    | 129    | 216    | 184        | 64    | 20    | 91     | 8    | —    | n.c. | n.c. |
| Yield                                   | t/ha       | 1.0    | 1.1    | 0.8        | 1.1   | 0.6   | 0.7    | 0.5  | —    | ..   | ..   |
| <b>Other crops</b>                      |            |        |        |            |       |       |        |      |      |      |      |
| <b>Sugar cane cut for crushing</b>      |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 28 070 | 31 312 | 32 971     | 1 825 | n.c.  | 31 146 | n.c. | n.c. | n.c. | n.c. |
| Area                                    | '000 ha    | 329    | 338    | 363        | 16    | n.c.  | 347    | n.c. | n.c. | n.c. | n.c. |
| Yield                                   | t/ha       | 85.3   | 92.6   | 90.8       | 111.2 | ..    | 89.8   | ..   | ..   | ..   | ..   |
| <b>Seed cotton</b>                      |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 1 000  | 788    | 796        | 550   | n.c.  | 246    | n.c. | n.c. | n.c. | n.c. |
| Area                                    | '000 ha    | 287    | 293    | 245        | 157   | n.c.  | 89     | n.c. | n.c. | n.c. | n.c. |
| Yield                                   | t/ha       | 3.5    | 2.7    | 3.2        | 3.5   | ..    | 2.8    | ..   | ..   | ..   | ..   |
| <b>Peanuts (in shell)</b>               |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 33     | 45     | 23         | 1     | n.c.  | 23     | n.c. | —    | n.c. | n.c. |
| Area                                    | '000 ha    | 23     | 22     | 13         | —     | n.c.  | 13     | n.c. | —    | n.c. | n.c. |
| Yield                                   | t/ha       | 1.4    | 2.1    | 1.8        | 3.2   | ..    | 1.8    | ..   | —    | ..   | ..   |
| <b>Tobacco</b>                          |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 11     | 8      | 7          | —     | 3     | 4      | n.c. | n.c. | n.c. | n.c. |
| Area                                    | '000 ha    | 4      | 3      | 3          | —     | 1     | 1      | n.c. | n.c. | n.c. | n.c. |
| Yield                                   | t/ha       | 2.8    | 2.8    | 2.3        | —     | 2.1   | 2.7    | ..   | ..   | ..   | ..   |
| <b>Pastures and grasses cut for hay</b> |            |        |        |            |       |       |        |      |      |      |      |
| <b>Lucerne</b>                          |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 896    | 943    | 822        | 356   | 189   | 188    | 78   | n.c. | 11   | n.c. |
| Area                                    | '000 ha    | 164    | 176    | 177        | 90    | 37    | 25     | 22   | n.c. | 3    | n.c. |
| Yield                                   | t/ha       | 5.5    | 5.4    | 4.6        | 4.0   | 5.1   | 7.6    | 3.5  | ..   | 3.9  | ..   |
| <b>Other</b>                            |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 3 216  | 2 594  | 2 115      | 252   | 1 246 | 161    | 285  | n.c. | 172  | n.c. |
| Area                                    | '000 ha    | 833    | 687    | 622        | 97    | 330   | 51     | 98   | n.c. | 46   | n.c. |
| Yield                                   | t/ha       | 3.9    | 3.8    | 3.4        | 2.6   | 3.8   | 3.2    | 2.9  | ..   | 3.7  | ..   |
| <b>Total cut for hay</b>                |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 4 495  | 3 979  | 3 352      | 607   | 1 435 | 349    | 363  | 404  | 183  | 10   |
| Area                                    | '000 ha    | 1 105  | 977    | 915        | 187   | 367   | 76     | 121  | 113  | 49   | 2    |
| Yield                                   | t/ha       | 4.1    | 4.1    | 3.7        | 3.2   | 3.9   | 4.6    | 3.0  | 3.6  | 3.8  | 4.4  |
| <b>Pasture seed</b>                     |            |        |        |            |       |       |        |      |      |      |      |
| Production                              | '000 t     | 28     | 24     | 19         | 1     | 7     | 1      | 8    | 1    | 1    | —    |
| Area                                    | '000 ha    | 105    | 105    | 82         | 13    | 17    | 16     | 27   | 8    | 1    | —    |
| Yield                                   | t/ha       | 0.3    | 0.2    | 0.2        | 0.1   | 0.4   | —      | 0.3  | 0.2  | 0.5  | —    |

(a) See Explanatory Notes, paragraphs 3 and 4.

## 4.2 PRINCIPAL CROPS, Gross Value—Years ended 30 June

|                             | AUST.(a) .....  |                 |                 | 1995 .....     |                |                |                |                |              |
|-----------------------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|--------------|
|                             | 1993            | 1994            | 1995            | NSW            | Vic.           | Qld            | SA             | WA             | Tas.         |
|                             | \$m             | \$m             | \$m             | \$m            | \$m            | \$m            | \$m            | \$m            | \$m          |
| <b>Cereal for grain</b>     |                 |                 |                 |                |                |                |                |                |              |
| Barley                      | 801.8           | 844.9           | 622.2           | 67.6           | 102.3          | 16.3           | 250.6          | 179.2          | 6.1          |
| Grain sorghum               | 87.0            | 172.6           | 241.8           | 66.7           | 1.5            | 173.2          | —              | 0.3            | —            |
| Maize                       | 41.6            | 40.7            | 59.3            | 36.0           | 1.3            | 19.7           | —              | 2.2            | —            |
| Oats                        | 208.8           | 147.9           | 165.8           | 44.5           | 43.5           | 0.7            | 15.8           | 58.7           | 2.5          |
| Rice                        | 164.3           | 261.5           | 216.1           | 216.1          | —              | —              | —              | —              | —            |
| Triticale                   | 36.8            | 34.7            | 35.4            | 12.5           | 12.3           | 0.3            | 7.5            | 1.9            | 1.1          |
| Wheat                       | 2 685.5         | 2 866.8         | 2 127.2         | 201.9          | 204.6          | 61.1           | 351.5          | 1 307.4        | 0.7          |
| <b>Legumes</b>              |                 |                 |                 |                |                |                |                |                |              |
| Lupins for grain            | 235.1           | 269.9           | 199.0           | 2.8            | 6.3            | —              | 12.4           | 177.3          | 0.1          |
| Field peas for grain        | 113.2           | 128.2           | 63.7            | 2.8            | 18.8           | —              | 36.0           | 5.9            | 0.2          |
| <b>Crops for hay</b>        |                 |                 |                 |                |                |                |                |                |              |
| Oats                        | 96.4            | 108.2           | 109.2           | 16.3           | 21.8           | —              | 19.5           | 51.5           | —            |
| Wheat(b)                    | 5.9             | 6.3             | 11.5            | 11.5           | —              | —              | —              | —              | —            |
| Other hay                   | 16.9            | 21.9            | 37.4            | 6.3            | 11.9           | 9.2            | 4.0            | 4.5            | 1.0          |
| <b>Oilseeds</b>             |                 |                 |                 |                |                |                |                |                |              |
| Canola                      | 56.8            | 108.0           | 96.7            | 26.1           | 21.4           | —              | 9.8            | 39.3           | 0.1          |
| Other oilseeds              | 45.7            | 95.5            | 62.4            | 26.5           | 5.7            | 28.9           | 1.4            | —              | —            |
| <b>Other crops</b>          |                 |                 |                 |                |                |                |                |                |              |
| Sugar cane cut for crushing | 800.9           | 944.6           | 1 207.7         | 50.3           | —              | 1 157.4        | —              | —              | —            |
| Cotton                      | 706.3           | 652.2           | 851.2           | 595.2          | —              | 256.0          | —              | —              | —            |
| Peanuts                     | 33.4            | 34.0            | 17.4            | 0.6            | —              | 16.8           | —              | —              | —            |
| Tobacco                     | 70.3            | 50.5            | 39.7            | 0.5            | 16.1           | 23.1           | —              | —              | —            |
| <b>Cut for hay</b>          |                 |                 |                 |                |                |                |                |                |              |
| Lucerne                     | 146.1           | 151.1           | 187.8           | 78.5           | 39.4           | 53.5           | 13.7           | —              | 2.7          |
| <b>Total crops</b>          | <b>10 737.3</b> | <b>11 515.9</b> | <b>11 131.7</b> | <b>2 341.0</b> | <b>1 770.6</b> | <b>2 970.4</b> | <b>1 493.1</b> | <b>2 266.1</b> | <b>255.4</b> |

(a) Includes Northern Territory and Australian Capital Territory.

(b) Incomplete; 'Wheat for hay' included in 'Other crops for hay' for all States except New South Wales.

## SECTION 5

## HORTICULTURE

### OVERVIEW

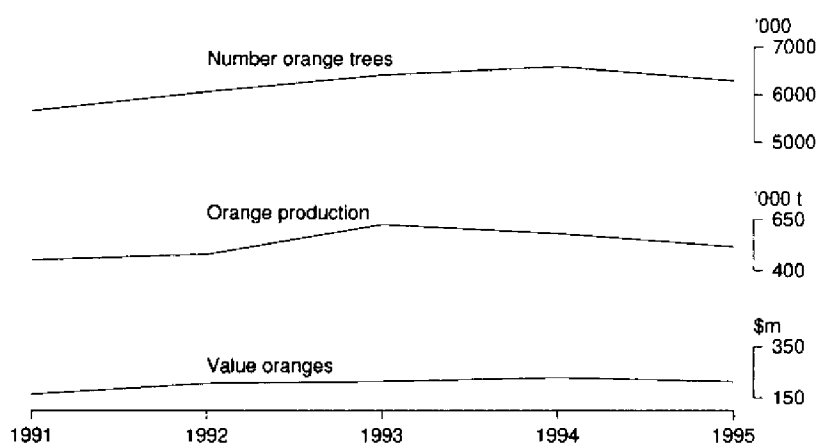
A large number of fruit and vegetable crops were adversely affected by drought, which reduced the production of some commodities in 1994-95.

The gross value of fruit and nuts increased by 9.7% to \$1,937.4 million, due to increases in all States except Victoria and Western Australia. The largest increase was recorded in Tasmania, up 34.9% to \$52.2 million due to an increase in the price of apples. Victoria was the major contributor with 24.2% (\$469.5 million) of the value of fruit and nuts.

The gross value of vegetables increased by 3.3% to \$1,491.6 million, due to increases in value recorded by all States except Tasmania. Queensland continued to be the major contributor, making up 27.8% of the total, with a value of \$414.4 million.

### ORANGES

The number of orange trees decreased by 4.4% to 6.3 million trees and production fell by 11.1% to 517.2 million tonnes. The gross value of oranges decreased by 6.6% to \$214.8 million, with all States recording a decrease in the value of oranges.



### PEARS

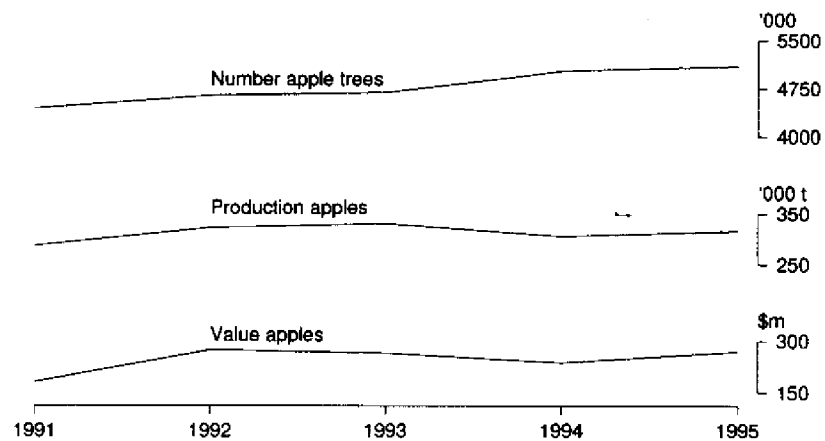
The pear industry suffered from the dry conditions, with production falling in all States except Western Australia, which recorded a small increase (0.3%). New South Wales experienced a decrease of 25.4% and South Australia a decrease of 24.4%. The gross value of pears declined by 17.5% to \$73.4 million.

## APRICOTS

The production of apricots increased by 40.7% to 29.8 million tonnes and the yield increased by 41.5% to 46.4 kilograms per tree. The gross value of apricots increased by 6.3% to \$28.8 million.

## APPLES

The apple industry was one of the few industries less adversely affected with the dry conditions prevailing throughout 1994–95. Production was greater than 1993–94 (up 3.1%) with fruit quality generally higher and flavour superior, and the yield increased by 1.8% to 62.1 kilograms per tree. In particular, new varieties such as Fuji, Pink Lady and Braeburn did well. The gross value increased by 13.6% to \$269.8 million, with increases in all States except Western Australia.

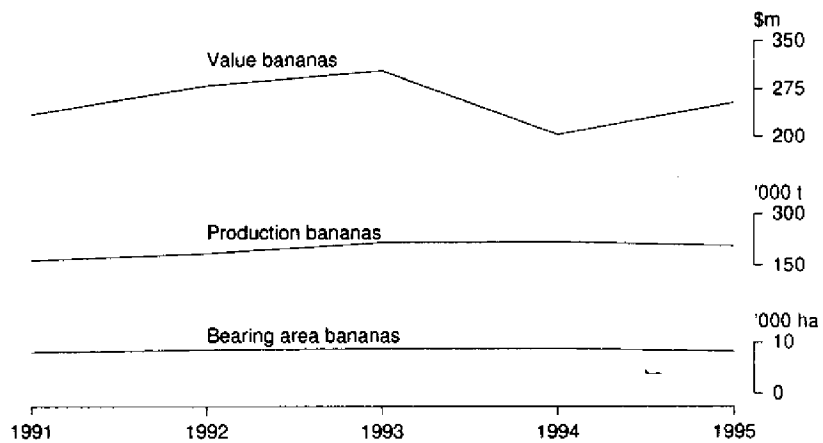


## MANGOES

Production of mangoes increased by 52.3% to 29.6 million tonnes and the yield increased by 49.9% to 57.4 kilogram per tree. Queensland was the main contributor, increasing by 54.8% to 24.4 million tonnes. The number of bearing trees increased by 1.6% to 0.5 million. The gross value of mangoes increased by 54.0% to \$73.0 million.

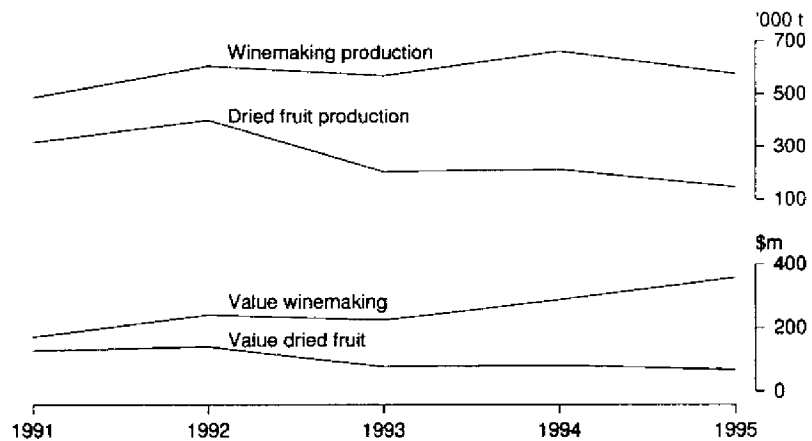
BANANAS

Drought conditions and changes in harvesting times may have caused disruption to the banana industry in 1994–95. Production fell by 5.1% to 208.1 million tonnes. The gross value of bananas increased by 25.3% to \$254.7 million. Some markets experienced a drop in supplies in summer due to Queensland growers restructuring their harvesting to take advantage of better prices available in the winter. Queensland's gross value of bananas rose by 36.5% to \$182.7 million. The average gross unit value rose by 32.0% to \$1,223.85 per tonne. Marketing costs for bananas were estimated at \$63.5 million.



GRAPES

Drought and frost curtailed this industry during 1994–95. Production of wine grapes declined by 12.7% to 0.6 million tonnes and, as a result, wine producers struggled to meet the rise in export demand. This fall in production saw the gross value of wine grapes increase by 24.1% to \$358.4 million. The average gross unit value of wine grapes increased by 42.1% to \$620.67 per tonne.





GRAPES *continued*

As wine grape producers attempted to meet market shortfalls, especially in the export market, they had to divert production of sultanas to the more lucrative market of wine making. Consequently, production of dried grapes fell by 30.9% to 0.1 million tonnes. The gross value of dried grapes fell by 17.0% to \$68.5 million.

## POTATOES

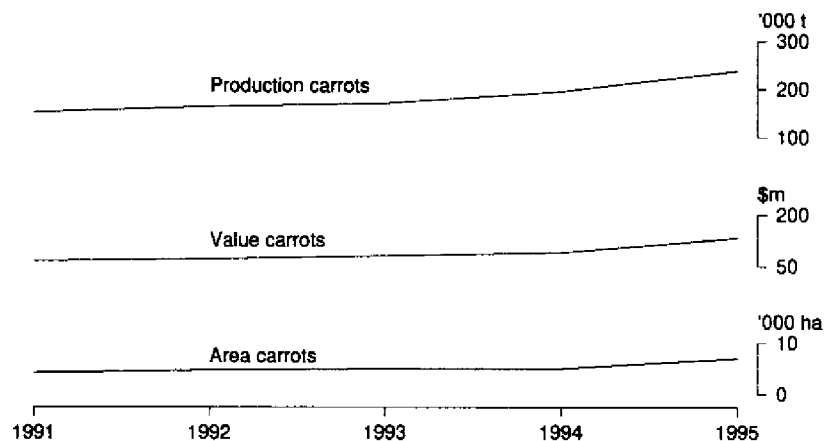
Production of potatoes fell by 5.3% to 1.1 million tonnes. However, the gross value of potatoes increased by 11.8% to \$377.9 million as a result of a rise in the average gross unit value of potatoes of 17.9% (to \$336.66 per tonne). Marketing costs for potatoes were estimated at \$40.0 million.

## ONIONS

Production of onions fell by 6.0% to 0.2 million tonnes. The gross value of onions decreased by 25.2% to \$79.1 million following a fall in the average gross unit value of 20.5% (to \$394.44 per tonne).

## CARROTS

Production of carrots increased by 22.4% to 0.2 million tonnes. Victoria produced 31.3% (0.1 million tonnes) of the total production, with a gross value of \$39.3 million. The total gross value increased by 46.3% to \$132.7 million. The average gross unit value increased by 23.6% (to \$575.47 per tonne).



## TOMATOES

Production of tomatoes increased by 3.9% to 0.3 million tonnes. The total gross value of tomatoes declined by 4.0% to \$166.2 million. However, the gross value for Victoria increased by 17.6% to \$32.1 million.

## 5.1 FRUIT, Production, Tree Numbers or Area and Yield(a)—Years ended 31 March

| Fruit or nut               | Unit    | AUST. .... |         |         | 1995 ..... |         |        |         |        |        |      |
|----------------------------|---------|------------|---------|---------|------------|---------|--------|---------|--------|--------|------|
|                            |         | 1993(b)    | 1994    | 1995    | NSW        | Vic.    | Qld    | SA      | WA     | Tas.   | NT   |
| <b>Citrus</b>              |         |            |         |         |            |         |        |         |        |        |      |
| <b>Oranges</b>             |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 626 647    | 582 095 | 517 242 | 210 565    | 84 253  | 18 077 | 199 181 | 5 166  | n.c.   | n.c. |
| Trees                      | '000    | 6 411      | 6 587   | 6 297   | 3 018      | 1 093   | 195    | 1 832   | 160    | n.c.   | n.c. |
| Yield                      | kg/tree | 97.7       | 88.4    | 82.1    | 69.8       | 77.1    | 92.8   | 108.7   | 32.3   | ..     | ..   |
| <b>Lemons and limes</b>    |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 35 983     | 34 328  | 33 873  | 6 229      | 6 088   | 6 593  | 13 978  | 960    | n.c.   | 24   |
| Trees                      | '000    | 355        | 367     | 383     | 136        | 67      | 67     | 97      | 15     | n.c.   | —    |
| Yield                      | kg/tree | 101.3      | 93.5    | 88.5    | 45.8       | 90.5    | 97.8   | 144.2   | 65.7   | ..     | —    |
| <b>Mandarins</b>           |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 54 626     | 57 595  | 58 630  | 4 239      | 3 830   | 37 838 | 11 136  | 1 585  | n.c.   | 2    |
| Trees                      | '000    | 546        | 601     | 729     | 95         | 87      | 358    | 136     | 53     | n.c.   | —    |
| Yield                      | kg/tree | 100.0      | 95.9    | 80.4    | 44.4       | 44.2    | 105.6  | 82.0    | 29.9   | ..     | —    |
| <b>Pome</b>                |         |            |         |         |            |         |        |         |        |        |      |
| <b>Apples</b>              |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 331 370    | 306 920 | 316 555 | 79 069     | 98 971  | 27 873 | 23 596  | 29 898 | 57 050 | n.c. |
| Trees                      | '000    | 4 694      | 5 033   | 5 101   | 1 266      | 1 286   | 492    | 532     | 482    | 1 040  | n.c. |
| Yield                      | kg/tree | 70.6       | 61.0    | 62.1    | 62.4       | 77.0    | 56.7   | 44.4    | 62.0   | 54.8   | ..   |
| <b>Pears (excl. Nashi)</b> |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 168 226    | 155 215 | 151 750 | 2 774      | 132 786 | 1 372  | 5 412   | 8 614  | 790    | n.c. |
| Trees                      | '000    | 1 353      | 1 376   | 1 317   | 54         | 1 029   | 24     | 79      | 111    | 19     | n.c. |
| Yield                      | kg/tree | 124.3      | 112.8   | 115.3   | 51.0       | 129.0   | 57.4   | 68.3    | 77.4   | 42.5   | ..   |
| <b>Stone</b>               |         |            |         |         |            |         |        |         |        |        |      |
| <b>Apricots</b>            |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 31 395     | 21 174  | 29 753  | 793        | 10 613  | 213    | 17 349  | 417    | 368    | n.c. |
| Trees                      | '000    | 618        | 646     | 642     | 29         | 195     | 21     | 349     | 13     | 34     | n.c. |
| Yield                      | kg/tree | 50.8       | 32.8    | 46.3    | 27.4       | 54.4    | 9.9    | 49.7    | 31.1   | 10.8   | ..   |
| <b>Cherries</b>            |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 5 157      | 6 350   | 5 766   | 2 696      | 2 362   | —      | 474     | 65     | 169    | n.c. |
| Trees                      | '000    | 468        | 494     | 480     | 269        | 126     | —      | 42      | 16     | 27     | n.c. |
| Yield                      | kg/tree | 11.0       | 12.8    | 12.0    | 10.0       | 18.8    | —      | 11.3    | 4.1    | 6.3    | ..   |
| <b>Nectarines</b>          |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 16 964     | 16 751  | 16 914  | 5 700      | 6 217   | 1 456  | 1 257   | 2 200  | 78     | n.c. |
| Trees                      | '000    | 526        | 561     | 644     | 251        | 160     | 122    | 19      | 84     | 7      | n.c. |
| Yield                      | kg/tree | 32.3       | 29.9    | 26.3    | 22.7       | 38.8    | 12.0   | 66.0    | 26.2   | 10.4   | ..   |
| <b>Peaches</b>             |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 64 592     | 59 361  | 58 665  | 11 908     | 34 656  | 1 749  | 8 443   | 1 889  | 15     | n.c. |
| Trees                      | '000    | 1 223      | 1 353   | 1 247   | 394        | 527     | 130    | 122     | 71     | 3      | n.c. |
| Yield                      | kg/tree | 52.8       | 43.9    | 47.0    | 30.2       | 65.8    | 13.4   | 69.2    | 26.7   | 5.0    | ..   |
| <b>Plums and prunes</b>    |         |            |         |         |            |         |        |         |        |        |      |
| Production                 | t       | 26 094     | 26 102  | 21 347  | 8 152      | 3 886   | 1 848  | 4 166   | 3 285  | 10     | n.c. |
| Trees                      | '000    | 764        | 863     | 905     | 372        | 161     | 152    | 90      | 129    | 1      | n.c. |
| Yield                      | kg/tree | 34.1       | 30.2    | 23.6    | 21.9       | 24.2    | 12.1   | 46.4    | 25.4   | 11.1   | ..   |

(a) Yield derived based on number of trees 6 years and over.

(b) See Explanatory Notes, paragraphs 3 and 4.

5.1 FRUIT, Production, Tree Numbers or Area and Yield—Years ended 31 March *continued*

| Fruit or nut                | Unit    | AUST.   |         |         | 1995   |       |         |       |        |      |       |
|-----------------------------|---------|---------|---------|---------|--------|-------|---------|-------|--------|------|-------|
|                             |         | 1993(b) | 1994    | 1995    | NSW    | Vic.  | Qld     | SA    | WA     | Tas. | NT    |
| <b>Other orchard n.e.i.</b> |         |         |         |         |        |       |         |       |        |      |       |
| <b>Avocados</b>             |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 14 210  | 16 802  | 15 640  | 3 016  | 755   | 10 157  | 504   | 1 209  | —    | n.c.  |
| Trees                       | '000    | 366     | 402     | 387     | 77     | 26    | 228     | 17    | 39     | —    | n.c.  |
| Yield                       | kg/tree | 38.8    | 41.8    | 40.4    | 39.0   | 29.1  | 44.6    | 30.1  | 30.9   | —    | ..    |
| <b>Mangoes</b>              |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 22 374  | 19 440  | 29 603  | 340    | n.c.  | 24 416  | n.c.  | 1 070  | n.c. | 3 777 |
| Trees                       | '000    | 466     | 507     | 515     | 15     | n.c.  | 425     | n.c.  | 21     | n.c. | 53    |
| Yield                       | kg/tree | 48.0    | 38.3    | 57.4    | 22.0   | ..    | 57.4    | ..    | 50.1   | ..   | 71.0  |
| <b>Nuts</b>                 |         |         |         |         |        |       |         |       |        |      |       |
| <b>Almonds (kernel)</b>     |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 4 540   | 5 027   | 5 028   | 84     | 2 811 | n.c.    | 2 132 | n.c.   | n.c. | n.c.  |
| Trees                       | '000    | 794     | 891     | 894     | 8      | 406   | n.c.    | 480   | n.c.   | n.c. | n.c.  |
| Yield(a)                    | kg/tree | 5.7     | 5.6     | 5.6     | 10.8   | 6.9   | ..      | 4.4   | ..     | ..   | ..    |
| <b>Macadamia</b>            |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 8 828   | 9 536   | 11 503  | 6 706  | n.c.  | 4 796   | n.c.  | n.c.   | n.c. | n.c.  |
| Trees                       | '000    | 1 045   | 1 032   | 1 167   | 622    | n.c.  | 545     | n.c.  | n.c.   | n.c. | n.c.  |
| Yield(a)                    | kg/tree | 8.3     | 9.2     | 9.9     | 10.8   | ..    | 8.8     | ..    | ..     | ..   | ..    |
| <b>Currants (black)</b>     |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 513     | 547     | 633     | n.c.   | n.c.  | n.c.    | n.c.  | n.c.   | 633  | n.c.  |
| Area                        | ha      | 101     | 135     | 137     | n.c.   | n.c.  | n.c.    | n.c.  | n.c.   | 137  | n.c.  |
| Yield                       | t/ha    | 5.1     | 4.1     | 4.6     | ..     | ..    | ..      | ..    | ..     | 4.6  | ..    |
| <b>Kiwifruit</b>            |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 4 517   | 4 103   | 4 280   | 787    | 2 731 | 278     | 90    | 394    | n.c. | n.c.  |
| Area                        | ha      | 452     | 442     | 457     | 98     | 284   | 35      | 10    | 31     | n.c. | n.c.  |
| Yield                       | t/ha    | 10.0    | 9.3     | 9.4     | 8.0    | 9.6   | 7.9     | 9.0   | 12.7   | ..   | ..    |
| <b>Raspberries</b>          |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 599     | 459     | 399     | 23     | 227   | n.c.    | 12    | n.c.   | 137  | n.c.  |
| Area                        | ha      | 185     | 191     | 167     | 25     | 90    | n.c.    | 6     | n.c.   | 46   | n.c.  |
| Yield                       | t/ha    | 3.2     | 2.4     | 2.4     | 0.9    | 2.5   | ..      | 2.0   | ..     | 3.0  | ..    |
| <b>Strawberries</b>         |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 7 973   | 9 375   | 8 532   | 191    | 2 921 | 2 157   | 1 035 | 2 070  | 154  | n.c.  |
| Area                        | ha      | 614     | 656     | 584     | 32     | 208   | 152     | 61    | 100    | 25   | n.c.  |
| Yield                       | t/ha    | 13.0    | 14.3    | 14.6    | 6.0    | 14.0  | 14.2    | 17.0  | 20.7   | 6.2  | ..    |
| <b>Tropical</b>             |         |         |         |         |        |       |         |       |        |      |       |
| <b>Bananas</b>              |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 217 386 | 219 222 | 208 102 | 41 906 | n.c.  | 150 345 | n.c.  | 13 012 | n.c. | 2 838 |
| Area                        | ha      | 8 803   | 8 756   | 8 281   | 2 859  | n.c.  | 4 930   | n.c.  | 396    | n.c. | 96    |
| Yield                       | t/ha    | 24.7    | 25.0    | 25.1    | 14.7   | ..    | 30.5    | ..    | 32.9   | ..   | 29.6  |
| <b>Pawpaws</b>              |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 6 020   | 6 201   | 6 225   | 70     | n.c.  | 6 050   | n.c.  | 89     | n.c. | 16    |
| Area                        | ha      | 396     | 399     | 320     | 8      | n.c.  | 298     | n.c.  | 10     | n.c. | 3     |
| Yield                       | t/ha    | 15.2    | 15.5    | 19.5    | 8.8    | ..    | 20.3    | ..    | 8.9    | ..   | 5.3   |
| <b>Pineapples</b>           |         |         |         |         |        |       |         |       |        |      |       |
| Production                  | t       | 143 466 | 157 439 | 138 503 | 1      | n.c.  | 138 465 | n.c.  | n.c.   | n.c. | 38    |
| Area                        | ha      | 3 444   | 3 668   | 3 209   | —      | n.c.  | 3 206   | n.c.  | n.c.   | n.c. | 4     |
| Yield                       | t/ha    | 41.7    | 42.9    | 43.2    | —      | ..    | 43.2    | ..    | ..     | ..   | 9.5   |

(a) Yield derived based on number of trees 6 years and over.

(b) See Explanatory Notes, paragraphs 3 and 4.

## 5.2 PRODUCTION OF GRAPES(a), Area of Vines and Yield—Years ended 31 March

|                              | AREA OF VINES AT HARVEST..... |   |   |        | GRAPE PRODUCTION(fresh weight)..... |            |                 |         |       |    |
|------------------------------|-------------------------------|---|---|--------|-------------------------------------|------------|-----------------|---------|-------|----|
|                              | Bearing                       | Not yet bearing;<br>planted or grafted prior to | Not yet bearing;<br>planted or grafted during | Total  | Winemaking                          | Drying     | Table and other | Total   | Yield |    |
|                              |                               | collection year                                 | collection year                               |        |                                     |            |                 |         |       | ha |
| Australia                    |                               |   |   |        |                                     |            |                 |         |       |    |
| 1993                         | 61 236                        | (b)2 517  | (b)2 029                                      | 65 810 | (b)570 442                          | (b)206 441 | 52 049          | 830 249 | 13.6  |    |
| 1994                         | 61 444                        | (b)2 771  | (b)2 940                                      | 67 181 | (b)661 282                          | (b)212 870 | (b)45 456       | 920 742 | 15.0  |    |
| 1995                         | 62 654                        | (b)4 446  | (b)5 969                                      | 73 081 | (b)577 364                          | (b)147 006 | (b)44 456       | 770 472 | 12.3  |    |
| 1995                         |                               |   |   |        |                                     |            |                 |         |       |    |
| New South Wales              | 12 626                        | 729   | 1 082   | 14 437 | 104 687                             | 25 823     | 8 439           | 138 950 | 11.0  |    |
| Victoria                     | 18 989                        | 1 094   | 1 509   | 21 591 | 137 613                             | 112 981    | 26 840          | 277 435 | 14.6  |    |
| Queensland                   | 894                           | 85  | 71  | 1 050  | 380                                 | —          | 3 523           | 3 903   | 4.4   |    |
| South Australia              | 27 237                        | 2 274   | 3 092   | 32 603 | 320 169                             | 6 714      | 2 913           | 329 797 | 12.1  |    |
| Western Australia            | 2 503                         | 197   | 175   | 2 887  | 12 846                              | 1 487      | 2 740           | 17 073  | 6.8   |    |
| Tasmania                     | 293                           | 67  | 40  | 400    | 2 200                               | —          | —               | 2 200   | 7.5   |    |
| Northern Territory           | 110                           | —   | —   | 111    | —                                   | —          | —               | 1 109   | 10.1  |    |
| Australian Capital Territory | 2                             | —   | —   | 2      | —                                   | —          | —               | 4       | 2.9   |    |

(a) Varietal information is available in *Viticulture, Australia* (Cat. no. 7310.0).

(b) Excludes Northern Territory and the Australian Capital Territory.

## 5.3 FRUIT, Gross Value—Years ended 30 June

| Fruit                                  | AUST.....      |                |                | 1994-95..... |              |              |              |              |             |
|--|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|-------------|
|  | 1992-93(a)     | 1993-94(b)     | 1994-95(b)     | NSW          | Vic.         | Qld          | SA           | WA           | Tas.        |
|  | \$m            | \$m            | \$m            | \$m          | \$m          | \$m          | \$m          | \$m          | \$m         |
| <b>Citrus</b>                          |                |                |                |              |              |              |              |              |             |
| Oranges                                | 215.3          | 230.0          | 214.8          | 80.1         | 42.7         | 10.2         | 79.9         | 1.9          | —           |
| Lemons and limes                       | 20.6           | 21.2           | 18.9           | 4.7          | 4.0          | 5.4          | 4.3          | 0.5          | —           |
| Mandarins                              | 49.1           | 59.2           | 70.8           | 7.1          | 5.4          | 50.3         | 6.1          | 1.9          | —           |
| <b>Pome</b>                            |                |                |                |              |              |              |              |              |             |
| Apples                                 | 266.6          | 237.6          | 269.8          | 54.6         | 97.6         | 21.4         | 29.5         | 23.7         | 42.8        |
| Pears                                  | 103.0          | 89.0           | 73.4           | 1.0          | 59.3         | 0.8          | 5.2          | 6.5          | 0.6         |
| <b>Stone</b>                           |                |                |                |              |              |              |              |              |             |
| Apricots                               | 32.6           | 27.1           | 28.8           | 2.1          | 5.6          | 0.4          | 18.9         | 0.9          | 0.8         |
| Cherries                               | 19.6           | 27.0           | 27.2           | 13.5         | 8.8          | —            | 3.3          | 0.8          | 0.8         |
| Nectannes                              | 32.5           | 34.6           | 37.0           | 13.6         | 11.2         | 2.9          | 2.7          | 6.4          | 0.1         |
| Peaches                                | 51.3           | 53.2           | 50.0           | 17.0         | 23.3         | 2.8          | 4.8          | 2.0          | —           |
| Plums and prunes                       | 38.4           | 37.2           | 31.9           | 12.7         | 4.7          | 3.1          | 5.7          | 5.6          | —           |
| <b>Other orchard n.e.i.</b>            |                |                |                |              |              |              |              |              |             |
| Avocados                               | 30.0           | 35.6           | 39.5           | 7.9          | 2.3          | 23.9         | 2.0          | 3.4          | —           |
| Mangoes                                | 43.5           | 47.4           | 73.0           | 1.2          | —            | 56.1         | —            | 3.3          | —           |
| Almonds                                | 23.1           | 32.7           | 28.5           | 0.6          | 17.1         | —            | 10.7         | —            | —           |
| Macadamia                              | 18.4           | 23.5           | 40.7           | 24.9         | —            | 15.8         | —            | —            | —           |
| <b>Small, berry and tropical fruit</b> |                |                |                |              |              |              |              |              |             |
| Kiwifruit                              | 6.2            | 6.0            | 5.7            | 1.2          | 3.3          | 0.4          | 0.1          | 0.7          | —           |
| Raspberries                            | 4.0            | 3.2            | 2.9            | 0.4          | 1.8          | —            | 0.1          | —            | 0.7         |
| Strawberries                           | 36.5           | 42.6           | 45.6           | 1.6          | 12.6         | 11.0         | 8.0          | 11.7         | 0.7         |
| Bananas                                | 303.4          | 203.3          | 254.7          | 52.3         | —            | 182.7        | —            | 16.8         | —           |
| Pawpaws                                | 4.3            | 4.3            | 6.9            | 0.1          | —            | 6.7          | —            | 0.1          | —           |
| <b>Grapes</b>                          |                |                |                |              |              |              |              |              |             |
| Winemaking                             | 226.3          | 288.8          | 358.4          | 56.3         | 52.9         | 0.2          | 232.7        | 12.1         | 4.2         |
| Drying                                 | 78.8           | 82.5           | 68.5           | 13.1         | 50.6         | —            | 4.1          | 0.7          | —           |
| Table and other                        | 90.4           | 78.8           | 84.2           | 19.8         | 41.1         | 8.6          | 5.1          | 5.2          | —           |
| <b>Other fruit n.e.c.</b>              | 104.5          | 102.0          | 106.3          | 12.7         | 25.2         | 57.5         | 7.6          | 1.8          | 1.3         |
| <b>Total fruit</b>                     | <b>1 798.4</b> | <b>1 766.8</b> | <b>1 937.4</b> | <b>398.4</b> | <b>469.5</b> | <b>460.1</b> | <b>430.8</b> | <b>106.1</b> | <b>52.2</b> |

(a) Includes the Northern Territory. Excludes the Australian Capital Territory; included in 'All other crops n.e.i.'.

(b) Includes the Northern Territory and Australian Capital Territory.

## 5.4 VEGETABLES, Production, Area and Yield—Years ended 31 March

|                                       | Unit | AUST. .... |         |         | 1995..... |        |        |        |        |        |      |     |
|---------------------------------------|------|------------|---------|---------|-----------|--------|--------|--------|--------|--------|------|-----|
|                                       |      | 1993(a)    | 1994    | 1995    | NSW       | Vic.   | Qld    | SA     | WA     | Tas.   | NT   | ACT |
| <b>Asparagus</b>                      |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 6 182      | 7 840   | 6 216   | 2 301     | 3 113  | 627    | —      | 92     | 48     | 36   | —   |
| Area                                  | ha   | 1 533      | 1 778   | 1 785   | 362       | 1 174  | 145    | —      | 44     | 38     | 23   | —   |
| Yield                                 | t/ha | 4.0        | 4.4     | 3.5     | 6.4       | 2.7    | 4.3    | —      | 2.1    | 1.3    | 1.6  | —   |
| <b>Beans, french and runner</b>       |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 32 574     | 30 969  | 29 407  | 1 245     | 2 575  | 15 640 | 194    | 1 269  | 8 462  | 21   | —   |
| Area                                  | ha   | 6 842      | 6 499   | 6 057   | 415       | 655    | 3 488  | 60     | 213    | 1 219  | 8    | —   |
| Yield                                 | t/ha | 4.8        | 4.8     | 4.9     | 3.0       | 3.9    | 4.5    | 3.3    | 6.0    | 6.9    | 2.6  | —   |
| <b>Beetroot</b>                       |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 21 661     | 25 848  | 27 833  | 499       | 879    | 26 205 | 128    | 119    | 3      | —    | —   |
| Area                                  | ha   | 717        | 812     | 878     | 27        | 74     | 755    | 14     | 8      | —      | —    | —   |
| Yield                                 | t/ha | 30.2       | 31.8    | 31.7    | 18.4      | 11.8   | 34.7   | 9.4    | 15.2   | 10.0   | —    | —   |
| <b>Broccoli</b>                       |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 33 475     | 33 331  | 31 694  | 2 159     | 14 583 | 7 074  | 2 398  | 2 713  | 2 732  | —    | 35  |
| Area                                  | ha   | 5 364      | 5 731   | 5 673   | 408       | 2 923  | 1 190  | 442    | 286    | 403    | —    | 20  |
| Yield                                 | t/ha | 6.2        | 5.8     | 5.6     | 5.3       | 5.0    | 5.9    | 5.4    | 9.5    | 6.8    | —    | 1.7 |
| <b>Cabbages and brussels sprouts</b>  |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 79 565     | 70 434  | 76 051  | 12 677    | 30 059 | 15 356 | 7 214  | 7 494  | 3 181  | 70   | —   |
| Area                                  | ha   | 2 604      | 2 341   | 2 379   | 441       | 865    | 509    | 269    | 164    | 127    | 5    | —   |
| Yield                                 | t/ha | 30.5       | 30.1    | 32.0    | 28.7      | 34.8   | 30.2   | 26.8   | 45.8   | 25.1   | 14.0 | —   |
| <b>Capsicum, chillies and peppers</b> |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 24 374     | 25 889  | 27 662  | 928       | 3 106  | 19 576 | 1 643  | 2 308  | —      | 101  | —   |
| Area                                  | ha   | 1 429      | 1 520   | 1 574   | 88        | 205    | 1 022  | 103    | 146    | —      | 10   | —   |
| Yield                                 | t/ha | 17.1       | 17.0    | 17.6    | 10.6      | 15.2   | 19.2   | 15.9   | 15.8   | —      | 10.0 | —   |
| <b>Carrots</b>                        |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 170 815    | 194 839 | 238 539 | 26 137    | 74 637 | 39 940 | 36 612 | 44 673 | 21 540 | —    | —   |
| Area                                  | ha   | 4 928      | 5 436   | 6 887   | 1 448     | 2 253  | 1 081  | 844    | 836    | 425    | —    | —   |
| Yield                                 | t/ha | 34.7       | 35.8    | 34.6    | 18.0      | 33.1   | 32.3   | 43.4   | 53.4   | 50.6   | —    | —   |
| <b>Cauliflower</b>                    |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 82 897     | 75 235  | 66 105  | 10 524    | 19 638 | 8 250  | 7 089  | 15 676 | 4 928  | —    | —   |
| Area                                  | ha   | 4 101      | 3 678   | 3 741   | 535       | 1 264  | 335    | 278    | 1 020  | 308    | —    | —   |
| Yield                                 | t/ha | 20.2       | 20.5    | 17.7    | 19.7      | 15.5   | 24.6   | 25.5   | 15.4   | 16.0   | —    | —   |
| <b>Celery</b>                         |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 43 139     | 40 697  | 38 631  | 382       | 17 257 | 11 199 | 4 036  | 4 967  | 790    | —    | —   |
| Area                                  | ha   | 857        | 814     | 765     | 12        | 380    | 227    | 45     | 77     | 24     | —    | —   |
| Yield                                 | t/ha | 50.3       | 50.0    | 50.5    | 31.5      | 45.4   | 49.4   | 88.7   | 64.4   | 32.9   | —    | —   |
| <b>Cucumbers</b>                      |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 12 349     | 11 458  | 14 144  | 3 962     | 1 124  | 5 855  | 1 779  | 1 298  | 109    | 18   | —   |
| Area                                  | ha   | 908        | 767     | 1 020   | 386       | 40     | 445    | 54     | 93     | 2      | 1    | —   |
| Yield                                 | t/ha | 13.6       | 14.9    | 13.9    | 10.3      | 27.9   | 13.2   | 32.9   | 13.9   | 54.3   | 22.7 | —   |
| <b>Peas</b>                           |      |            |         |         |           |        |        |        |        |        |      |     |
| Processing                            |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 36 396     | 43 273  | 43 603  | 2 250     | 116    | 1 523  | 68     | 1 742  | 37 903 | —    | —   |
| Area                                  | ha   | 9 027      | 9 884   | 9 350   | 676       | 29     | 528    | 30     | 665    | 7 422  | —    | —   |
| Yield                                 | t/ha | 4.0        | 4.4     | 4.7     | 3.3       | 4.0    | 2.9    | 2.3    | 2.6    | 5.1    | —    | —   |
| Sold in pod                           |      |            |         |         |           |        |        |        |        |        |      |     |
| Production                            | t    | 830        | 1 133   | 1 973   | 272       | 1 274  | 292    | 26     | 16     | 94     | —    | —   |
| Area                                  | ha   | 414        | 607     | 469     | 147       | 258    | 50     | 5      | 2      | 6      | —    | —   |
| Yield                                 | t/ha | 2.0        | 1.9     | 4.2     | 1.9       | 4.9    | 5.8    | 5.2    | 8.0    | 15.7   | —    | —   |

(a) See Explanatory Notes, paragraphs 3 and 4.

5.4 VEGETABLES, Production, Area and Yield—Years ended 31 March *continued*

|  |           | AUST. ....     |                |                | 1995.....     |               |               |               |              |               |            |           |
|--|-----------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|---------------|------------|-----------|
| Unit                                   |           | 1993(a)        | 1994           | 1995           | NSW           | Vic.          | Qld           | SA            | WA           | Tas.          | NT         | ACT       |
| <b>Lettuce</b>                         |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 99 861         | 92 965         | 92 454         | 7 642         | 34 155        | 29 051        | 6 185         | 13 545       | 1 697         | 159        | 20        |
| Area                                   | ha        | 3 948          | 3 955          | 4 012          | 443           | 1 638         | 1 098         | 282           | 434          | 86            | 20         | 11        |
| Yield                                  | t/ha      | 25.3           | 23.5           | 23.0           | 17.2          | 20.8          | 26.5          | 21.9          | 31.2         | 19.8          | 7.9        | 1.9       |
| <b>Marrows, squashes and zucchinis</b> |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 12 007         | 12 690         | 13 452         | 1 661         | 782           | 9 968         | 204           | 771          | —             | 65         | 1         |
| Area                                   | ha        | 1 792          | 1 858          | 1 690          | 232           | 137           | 1 188         | 30            | 96           | —             | 4          | 2         |
| Yield                                  | t/ha      | 6.7            | 6.8            | 8.0            | 7.1           | 5.7           | 8.4           | 6.8           | 8.0          | —             | 15.0       | 0.4       |
| <b>Melons</b>                          |           |                |                |                |               |               |               |               |              |               |            |           |
| <b>Water</b>                           |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 70 521         | 72 030         | 72 263         | 5 148         | 505           | 50 050        | 558           | 15 674       | —             | 329        | —         |
| Area                                   | ha        | 4 050          | 4 268          | 3 963          | 329           | 30            | 2 931         | 18            | 639          | —             | 16         | —         |
| Yield                                  | t/ha      | 17.4           | 16.9           | 18.2           | 15.6          | 16.7          | 17.1          | 31.5          | 24.5         | —             | 20.8       | —         |
| <b>Rock and cantaloupe</b>             |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 73 532         | 70 783         | 69 925         | 11 641        | 6 085         | 36 416        | 5 772         | 8 294        | —             | 1 717      | —         |
| Area                                   | ha        | 3 439          | 3 252          | 3 089          | 539           | 261           | 1 501         | 190           | 527          | —             | 81         | —         |
| Yield                                  | t/ha      | 21.3           | 21.8           | 22.6           | 21.6          | 23.3          | 24.3          | 30.3          | 15.7         | —             | 21.2       | —         |
| <b>Mushrooms</b>                       |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 27 575         | 38 889         | 33 337         | 12 508        | 13 545        | 3 820         | 1 676         | 1 285        | 503           | —          | —         |
| Area                                   | ha        | 134            | 155            | 166            | 58            | 70            | 16            | 11            | 10           | 2             | —          | —         |
| Yield                                  | t/ha      | 205.8          | 250.9          | 200.2          | 216.8         | 194.3         | 237.3         | 149.6         | 126.0        | 314.5         | —          | —         |
| <b>Onions, white and brown</b>         |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 170 885        | 213 206        | 200 432        | 12 010        | 15 427        | 25 372        | 51 394        | 22 691       | 73 537        | —          | —         |
| Area                                   | ha        | 4 474          | 5 202          | 5 165          | 751           | 511           | 828           | 1 195         | 398          | 1 482         | —          | —         |
| Yield                                  | t/ha      | 38.2           | 41.0           | 38.8           | 16.0          | 30.2          | 30.7          | 43.0          | 57.0         | 49.6          | —          | —         |
| <b>Parsnips</b>                        |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 8 919          | 6 305          | 6 507          | 1 066         | 3 843         | —             | 197           | 917          | 485           | —          | —         |
| Area                                   | ha        | 287            | 352            | 395            | 51            | 238           | —             | 12            | 58           | 36            | —          | —         |
| Yield                                  | t/ha      | 31.1           | 17.9           | 16.5           | 21.1          | 16.2          | —             | 15.8          | 15.8         | 13.3          | —          | —         |
| <b>Potatoes</b>                        |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 1 139 696      | 1 184 705      | 1 122 417      | 126 812       | 279 876       | 109 004       | 247 414       | 103 572      | 255 738       | —          | —         |
| Area                                   | ha        | 39 166         | 40 259         | 37 642         | 6 274         | 10 135        | 4 782         | 7 831         | 2 553        | 6 068         | —          | —         |
| Yield                                  | t/ha      | 29.1           | 29.4           | 29.8           | 20.2          | 27.6          | 22.8          | 31.6          | 40.6         | 42.1          | —          | —         |
| <b>Pumpkins</b>                        |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 86 264         | 82 922         | 76 678         | 18 153        | 6 271         | 32 562        | 7 673         | 9 152        | 2 165         | 702        | —         |
| Area                                   | ha        | 6 594          | 6 449          | 5 390          | 1 228         | 394           | 2 731         | 379           | 512          | 107           | 39         | —         |
| Yield                                  | t/ha      | 13.1           | 12.9           | 14.2           | 14.8          | 15.9          | 11.9          | 20.3          | 17.9         | 20.2          | 18.2       | —         |
| <b>Sweet corn</b>                      |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 52 531         | 72 686         | 74 055         | 44 134        | 7 570         | 14 423        | 652           | 1 168        | 6 108         | —          | —         |
| Area                                   | ha        | 4 449          | 5 765          | 5 488          | 3 137         | 609           | 1 251         | 58            | 87           | 345           | —          | —         |
| Yield                                  | t/ha      | 11.8           | 12.6           | 13.5           | 14.1          | 12.4          | 11.5          | 11.2          | 13.5         | 17.7          | —          | —         |
| <b>Tomatoes</b>                        |           |                |                |                |               |               |               |               |              |               |            |           |
| Production                             | t         | 285 297        | 327 221        | 340 933        | 85 323        | 139 441       | 101 291       | 5 442         | 7 694        | 831           | 9          | 1         |
| Area                                   | ha        | 8 723          | 8 903          | 8 657          | 2 053         | 2 806         | 3 424         | 165           | 193          | 14            | 1          | 1         |
| Yield                                  | t/ha      | 32.7           | 36.8           | 39.3           | 41.6          | 49.7          | 29.6          | 32.9          | 39.9         | 59.4          | 15.5       | 1.3       |
| <b>Total area</b>                      | <b>ha</b> | <b>117 737</b> | <b>125 324</b> | <b>129 110</b> | <b>21 287</b> | <b>28 511</b> | <b>31 761</b> | <b>12 665</b> | <b>9 989</b> | <b>24 644</b> | <b>215</b> | <b>39</b> |

(a) See Explanatory Notes, paragraphs 3 and 4.

## 5.5 VEGETABLES, Gross Value—Years ended 30 June

|                                 | AUST. ....     |                |                | 1994-95..... |              |              |              |              |              |
|---------------------------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                 | 1992-93(a)     | 1993-94(b)     | 1994-95(b)     | NSW          | Vic.         | Qld          | SA           | WA           | Tas.         |
|                                 | \$m            | \$m            | \$m            | \$m          | \$m          | \$m          | \$m          | \$m          | \$m          |
| Asparagus                       | 30.5           | 45.0           | 36.4           | 16.5         | 14.6         | 4.1          | —            | 0.8          | 0.2          |
| Beans, french and runner        | 29.3           | 36.0           | 38.5           | 2.6          | 4.7          | 25.4         | 0.6          | 1.6          | 3.6          |
| Broccoli                        | 48.0           | 46.9           | 51.0           | 4.6          | 25.2         | 12.8         | 3.5          | 2.0          | 2.8          |
| Cabbages and brussels sprouts   | 27.9           | 26.2           | 34.8           | 3.9          | 14.5         | 6.5          | 6.6          | 2.1          | 1.2          |
| Capsicums, chillies and peppers | 27.9           | 42.0           | 41.2           | 1.1          | 4.8          | 27.2         | 3.6          | 4.3          | —            |
| Carrots                         | 81.8           | 90.7           | 132.7          | 7.2          | 39.3         | 16.1         | 34.2         | 31.1         | 4.8          |
| Cauliflower                     | 41.9           | 42.8           | 44.5           | 4.9          | 9.6          | 4.4          | 3.4          | 19.5         | 2.8          |
| Celery                          | 24.5           | 24.8           | 21.9           | 0.3          | 9.7          | 5.3          | 2.9          | 3.1          | 0.6          |
| Cucumbers                       | 11.4           | 12.5           | 15.5           | 3.1          | 1.0          | 6.7          | 2.9          | 1.8          | 0.1          |
| Green peas (pod weight)         | 13.3           | 15.6           | 16.5           | 1.6          | 1.5          | 0.6          | 0.1          | 0.6          | 12.1         |
| Lettuce                         | 59.0           | 59.2           | 69.6           | 8.6          | 21.3         | 22.8         | 6.5          | 7.9          | 2.3          |
| Marrows and zucchini            | 59.0           | 59.2           | 16.8           | 1.9          | 0.8          | 12.1         | 0.4          | 1.5          | —            |
| Watermelons                     | 12.3           | 15.1           | 23.4           | 2.6          | 0.1          | 14.8         | 0.2          | 5.5          | —            |
| Rockmelon/cantaloupe            | 50.5           | 51.5           | 51.5           | 8.3          | 4.3          | 26.0         | 4.6          | 6.7          | —            |
| Mushrooms(c)                    | 104.3          | 152.9          | 125.5          | 42.6         | 56.7         | 13.7         | 7.3          | 5.2          | (d)          |
| Onions, white and brown         | 68.6           | 105.8          | 79.1           | 5.1          | 6.1          | 13.7         | 28.1         | 9.3          | 16.8         |
| Potatoes                        | 317.4          | 338.1          | 377.9          | 41.0         | 105.9        | 47.3         | 94.1         | 37.3         | 52.2         |
| Pumpkins                        | 30.3           | 27.2           | 29.5           | 5.6          | 2.5          | 11.5         | 4.1          | 4.7          | 0.7          |
| Sweet corn                      | 30.3           | 27.2           | 30.6           | 8.7          | 8.0          | 11.0         | 0.6          | 1.3          | 1.1          |
| Tomatoes                        | 148.2          | 173.2          | 166.2          | 14.4         | 32.1         | 102.5        | 7.7          | 8.6          | 0.9          |
| Other vegetables                | 3.7            | 4.3            | 88.6           | 13.8         | 22.4         | 29.9         | 7.7          | 6.9          | 7.6          |
| <b>Total vegetables</b>         | <b>1 248.6</b> | <b>1 443.7</b> | <b>1 491.6</b> | <b>198.2</b> | <b>385.1</b> | <b>414.4</b> | <b>219.2</b> | <b>161.7</b> | <b>109.8</b> |

(a) Includes the Northern Territory, excludes the Australian Capital Territory; included in 'All other crops n.e.i.'.

(b) Includes the Northern Territory and Australian Capital Territory.

(c) Incomplete: excludes Tasmania.

(d) Not available for publication; included in 'Other vegetables'.



## SECTION 6

## LIVESTOCK AND LIVESTOCK PRODUCTS .....

### OVERVIEW

The drought conditions experienced mainly in the eastern states during 1994-95 affected livestock production and livestock products for the period. Drought invariably means poor stock condition which tends to lead to lower meat prices.

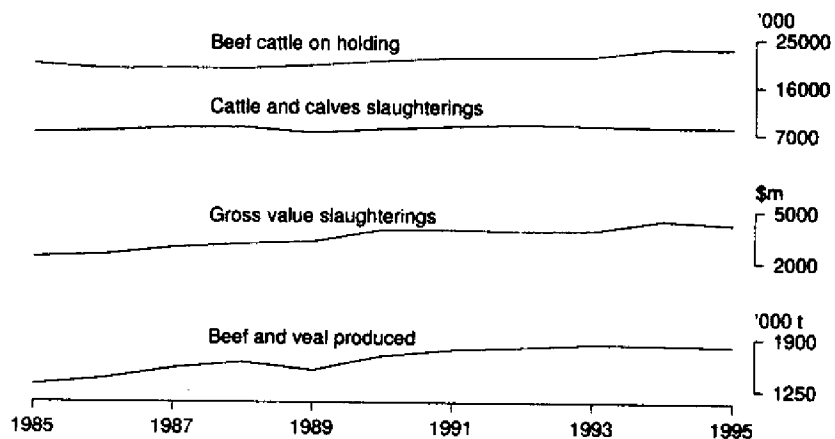
The gross value of livestock slaughterings and other disposals fell by 3.4% to \$6,618.6 million, while the gross value of livestock products increased by 16.0% to \$5,993.7 million.

Marketing expenses for livestock slaughterings were estimated to be \$595.3 million and for livestock products \$239.9 million.

### BEEF CATTLE

Unfavourable export market conditions, lower prices, drought and an attempt to rebuild herds had an impact on the meat cattle industry during 1994-95.

At 31 March 1995, there were 23.0 million beef cattle and calves, a decrease of less than 0.4% on the previous year. New South Wales was the main contributor to the decrease, down 4.2% and the Northern Territory, down 1.1%. The number of establishments reporting beef cattle was 84,046, down 0.5%. New South Wales reported the most establishments with beef cattle (28,115), followed by Queensland (20,902) and Victoria (20,642).



Beef and veal production fell slightly, and slaughterings for cattle and calves fell by 0.2%. Cattle and calves slaughterings increased in New South Wales by 4.0% to 2,297 thousand, Victoria increased by 6.3% to 2,103 thousand. The gross value of cattle and calves slaughterings fell most significantly in the three largest cattle-producing States, Queensland, New South Wales and Victoria. In the case of New South Wales and Victoria this was due to a decrease in the average gross unit value. In Queensland, however, it was due to the combined effect of reduced average gross unit value and lower slaughterings. Marketing expenses for cattle and calves slaughterings was estimated at \$408.2 million. The average unit price per head fell by 6.6% to \$484.20.

BEEF CATTLE *continued*

Live cattle exports increased 64.3% during 1994–95, mainly due to the increased demand from Malaysia and Indonesia. The value of these exports was \$201.9 million, an increase of 75.6%.

## 6.1 LIVE CATTLE EXPORTS(a)—Years ended 30 June

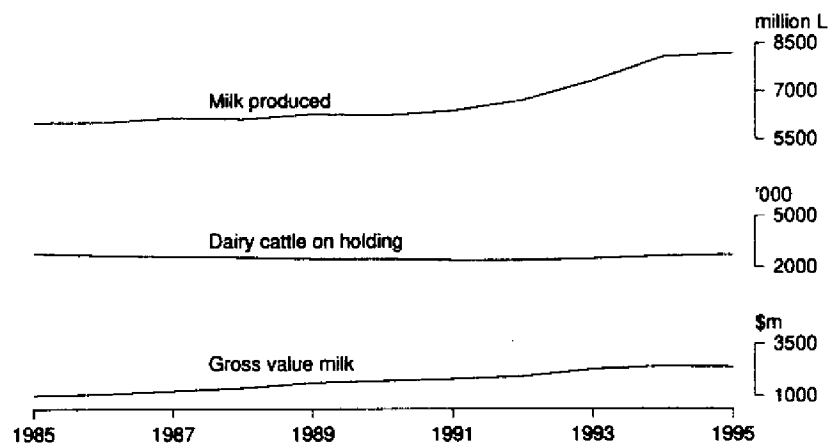
|               | Unit     | 1992–93 | 1993–94 | 1994–95 |
|---------------|----------|---------|---------|---------|
| Number        | ('000)   | 148.6   | 234.7   | 385.7   |
| Gross weight  | ('000 t) | 50.4    | 79.9    | 136.5   |
| Gross value   | (\$'000) | 69 847  | 115 020 | 201 948 |
| Unit value(b) | (\$)     | 470.19  | 489.97  | 523.52  |

(a) Excludes cattle for breeding.

(b) Obtained by dividing the gross value by the number of cattle exported.

## DAIRY CATTLE

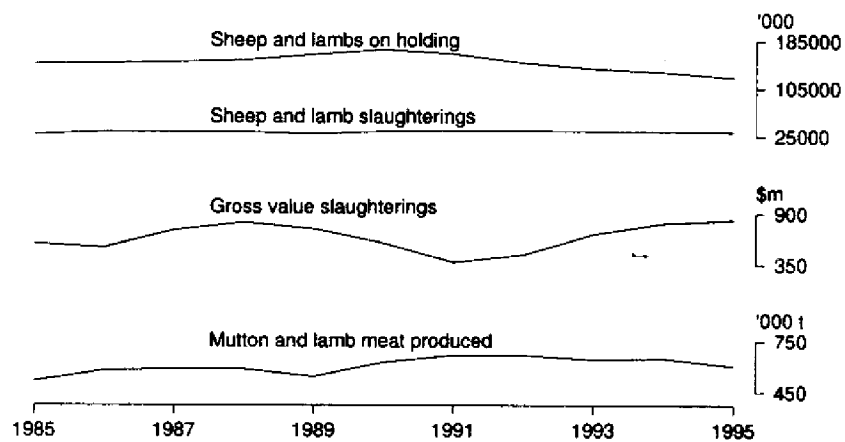
The number of dairy cattle in 1994–95 increased by 2.4% to 2.7 million. Numbers rose, in Victoria by 2.3%, and 7.6% in Tasmania. The dairy herd accounted for 10.7% of total cattle and calves. The number of establishments reporting dairy cattle fell by 3.0% to 15,446, with the average dairy herd at 177, up from 168 in 1993–94. Milk production rose by 1.6% to 8,206 million litres, with Victoria producing 62.3% of the total. A fall in the quality of pasture and supplementary feed had a negative impact on the butterfat content of milk. This was reflected in the gross value of milk production which fell by 1.2% to \$2,419.1 million.



## SHEEP

Sheep numbers at 31 March 1995 were 120.9 million, the lowest level in 40 years. There was an 8.8% fall on the flock at 31 March 1994. The only State that recorded an increase was Queensland, by 0.3% to 11.6 million. New South Wales recorded a 12.9% fall, to 40.5 million, and Victoria fell by 8.8% to 21.4 million. The number of establishments reporting sheep and lambs fell by 5.2% to 55,878 with Victoria down by 5.6% to 14,444, and Tasmania by 7.9% to 2,058.

Due to drought conditions across much of eastern Australia the number of sheep and lambs sent to market declined. Sheep and lamb slaughterings fell by 2.0% to 31.9 million and mutton and lamb meat production fell by 5.8% to 0.6 million tonnes.



The gross value of sheep and lamb slaughterings increased by 5.0% to \$836.8 million. The gross value in New South Wales increased by 13.0% to \$227.7 million while the gross value in Western Australia fell by 6.6% to \$173.1 million. Marketing costs for sheep and lamb slaughterings were estimated at \$112.0 million. Exports of live sheep increased by 1.9% with the value of these exports up by 20.3% to \$179.1 million.

## 6.2 LIVE SHEEP EXPORTS(a)—Years ended 30 June

| Unit           |          | 1992-93 | 1993-94 | 1994-95 |
|----------------|----------|---------|---------|---------|
| Number         | ('000)   | 5 097.1 | 5 429.8 | 5 533.6 |
| Gross weight   | ('000 t) | 270.5   | 287.4   | 283.6   |
| Gross value    | (\$'000) | 121 933 | 148 907 | 179 086 |
| Unit value (b) | (\$)     | 23.92   | 27.42   | 32.36   |

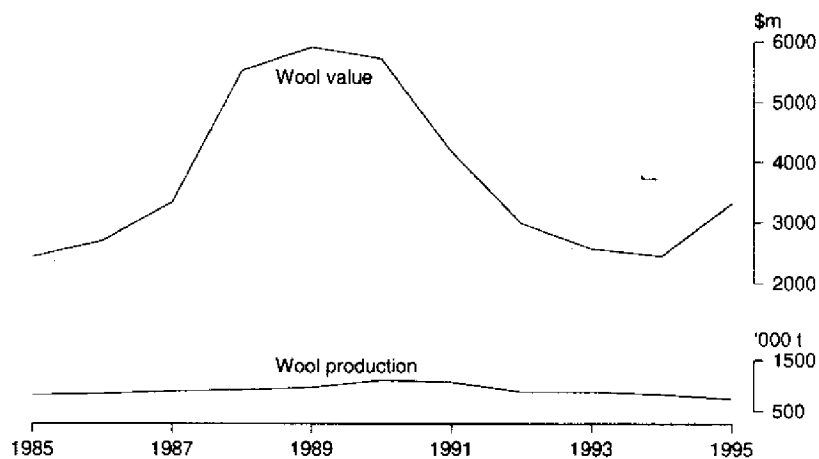
(a) Excludes sheep for breeding.

(b) Obtained by dividing the gross value by the number of sheep exported.

SHEEP *continued*

The number of ewes mated during 1994–95 fell by 2.2% to 52.5 million. Consequently, the number of lambs marked fell by 8.5% to 37.9 million. The proportion of lambs marked to ewes mated was 72.2%, the lowest percentage recorded. In 1991–92, another drought year, the figure was 75.2%.

Wool production decreased by 11.8% to 731.0 thousand tonnes. The largest contributors to the decrease were Western Australia, down 16.7% to 0.2 million tonnes and South Australia, down 15.7% to 0.1 million tonnes. The gross value of wool production increased by 35.5% to \$3,319.3 million, due to an increase in the average gross unit value, primarily in the first half of the year. New South Wales was by far the largest producer of wool in both volume and value terms, contributing \$1,186.2 million or 35.7% of the gross value for Australia. Marketing costs for shorn wool were estimated at \$185.0 million.



## PIGS

Pig numbers declined by 4.4% to 2.7 million during 1994–95. The only State that showed an increase in the number of pigs was Western Australia, up 1.3% to 0.3 million. Queensland fell by 5.6% to 0.6 million and New South Wales by 5.2% to 0.8 million. The number of establishments reporting pigs fell by 10.2% to 5,140, with New South Wales and Tasmania both recording a 16.6% fall to 1,322 and 151 respectively.

Pig slaughterings fell by 1.5% to 5.1 million. However, pig meat production increased by 2.0% to 0.4 million tonnes.

The gross value of pig slaughterings fell by 4.5% to \$0.6 million. The State with the largest reduction in gross value was South Australia, falling by 24.1% to \$0.1 million followed by Victoria, down by 13.8% to \$0.1 million. Western Australia increased by 9.6% to \$0.1 million.

## POULTRY

Total poultry numbers fell by 3.8% to 67.9 million. The number of chickens on holding at 31 March 1995 increased 4.2% to 65.6 million, and meat strain chickens by 8.6% to 54.4 million. The number of chickens slaughtered increased by 0.3% to 330.5 million. However, the production of chicken meat fell by 0.4% to 0.5 million tonnes. The gross value of poultry slaughterings fell by 2.9% to \$902.0 million.

Egg production fell by 1.8% to 177.3 million dozen and the gross value of egg production fell by 1.4% to \$0.2 million. The average unit price per dozen for eggs was \$1.31, an increase of 0.8% on the previous year. Marketing costs for eggs were estimated at \$54.2 million.

## BEEKEEPING

The number of beekeepers fell by 23.4% to 1,271. Production of honey fell by 27.5% to 18.8 thousand tonnes and average production of hives fell 12.0% to 60.0 kilograms per hive. Western Australian beehives had the highest per hive production at 88.4 kilograms and Victoria the lowest with 50.8 kilograms. The gross value of honey fell by 25.2% to \$24.6 million with Victoria falling by 33.3% to \$4.4 million.

Beeswax production fell by 45.0% to 0.3 thousand tonnes. The gross value declined by 46.4% to \$1.5 million.

## 6.3 LIVESTOCK—Years ended 31 March

|                        | AUST.   |         |         | 1995   |        |        |        |        |       |       |      |
|------------------------|---------|---------|---------|--------|--------|--------|--------|--------|-------|-------|------|
|                        | 1993(a) | 1994    | 1995    | NSW    | Vic.   | Qld    | SA     | WA     | Tas.  | NT    | ACT  |
| Livestock              | '000    | '000    | '000    | '000   | '000   | '000   | '000   | '000   | '000  | '000  | '000 |
| Beef cattle            | 22 650  | 23 080  | 22 991  | 5 867  | 2 659  | 9 689  | 1 064  | 1 773  | 507   | 1 419 | 13   |
| Dairy cattle(b)        | 2 532   | 2 678   | 2 741   | 370    | 1 622  | 285    | 152    | 126    | 185   | 1     | —    |
| Sheep and lambs        | 140 544 | 132 569 | 120 862 | 40 516 | 21 371 | 11 577 | 13 249 | 30 218 | 3 853 | —     | 78   |
| Pigs                   | 2 673   | 2 775   | 2 653   | 791    | 439    | 644    | 423    | 316    | 38    | 3     | —    |
| Deer                   | 130     | 149     | 144     | 40     | 36     | 17     | 19     | 14     | 18    | —     | —    |
| Poultry                | 69 951  | 70 362  | 67 681  | 29 644 | 15 470 | 10 551 | 5 003  | 6 240  | 271   | 233   | 270  |
| Stud horses            | 86      | 82      | 66      | 25     | 14     | 17     | 4      | 5      | 1     | —     | —    |
| Other livestock n.e.c. | 570     | 508     | 331     | 106    | 50     | 88     | 23     | 57     | 7     | —     | —    |

(a) See Explanatory Notes, paragraphs 3 and 4.

(b) Excluding house cows and heifers.

## 6.4 LIVESTOCK SLAUGHTERINGS AND PRODUCTS—Years ended 30 June

|                                  |          | AUST.....      |                |                | 1994-95.....   |                |               |               |                |               |          |            |
|----------------------------------|----------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|---------------|----------|------------|
| Unit                             |          | 1992-93        | 1993-94        | 1994-95        | NSW            | Vic.           | Qld           | SA            | WA             | Tas.          | NT       | ACT        |
| <b>Livestock</b>                 |          |                |                |                |                |                |               |               |                |               |          |            |
| <b>slaughterings(a)(b)</b>       |          |                |                |                |                |                |               |               |                |               |          |            |
| Cattle                           | '000     | 7 443          | 7 290          | 7 220          | 2 049          | 1 467          | 2 558         | 424           | 431            | 208           | 43       | 40         |
| Calves                           | '000     | 1 034          | 992            | 1 048          | 248            | 636            | 117           | 12            | 4              | 29            | —        | 2          |
| Sheep                            | '000     | 17 525         | 17 830         | 16 850         | 6 578          | 3 230          | 771           | 3 114         | 2 438          | 569           | —        | 150        |
| Lambs                            | '000     | 15 435         | 15 040         | 15 090         | 4 134          | 6 303          | 609           | 1 915         | 1 264          | 477           | —        | 388        |
| Pigs(c)                          | '000     | 5 032          | 5 190          | 5 120          | 1 505          | 1 197          | 1 154         | 470           | 604            | 93            | n.p.     | n.p.       |
| Chicken(d)(e)                    | '000     | 304 128        | 329 525        | 330 495        | 133 927        | 77 193         | 56 570        | 28 866        | 33 939         | n.p.          | n.p.     | n.p.       |
| <b>Livestock products(a)</b>     |          |                |                |                |                |                |               |               |                |               |          |            |
| <b>Meat(f)</b>                   |          |                |                |                |                |                |               |               |                |               |          |            |
| Beef                             | '000 t   | 1 787          | 1 786          | 1 766          | 471            | 335            | 698           | 99            | 97             | 50            | 8        | 8          |
| Veal                             | '000 t   | 39             | 39             | 38             | 17             | 14             | 5             | 0             | 0              | 1             | —        | —          |
| Mutton                           | '000 t   | 370            | 381            | 340            | 131            | 64             | 15            | 67            | 48             | 11            | —        | 3          |
| Lamb                             | '000 t   | 273            | 267            | 265            | 72             | 111            | 11            | 36            | 19             | 8             | —        | 8          |
| Pigmeat(c)                       | '000 t   | 328            | 344            | 350            | 102            | 83             | 83            | 32            | 37             | 6             | n.p.     | n.p.       |
| Chicken meat(e)(g)               | '000 t   | 435            | 469            | 467            | 200            | 110            | 76            | 39            | 42             | n.p.          | n.p.     | n.p.       |
| <b>Wool</b>                      |          |                |                |                |                |                |               |               |                |               |          |            |
| Shorn wool (incl. crutchings)(h) | t        | 815 260        | 775 770        | 682 448        | 226 843        | 123 303        | 56 073        | 82 823        | 174 737        | 18 270        | —        | 442        |
| Other wool(i)                    | t        | 54 310         | 52 560         | 48 511         | 15 968         | 14 728         | 1 421         | 7 746         | 7 056          | 1 562         | —        | 30         |
| <b>Total wool produced</b>       | <b>t</b> | <b>869 570</b> | <b>828 330</b> | <b>730 959</b> | <b>242 811</b> | <b>138 031</b> | <b>57 494</b> | <b>90 569</b> | <b>181 793</b> | <b>19 831</b> | <b>—</b> | <b>472</b> |
| Whole milk(j)                    | mill. L  | 7 327          | 8 076          | 8 206          | 1 087          | 5 113          | 741           | 484           | 343            | 436           | —        | (k)        |
| Eggs(l)(m)                       | '000 doz | 190 716        | 180 563        | 177 288        | 64 033         | 40 121         | 31 529        | 13 137        | 19 472         | 4 098         | n.p.     | 3 217      |
| <b>Beekeeping(m)</b>             |          |                |                |                |                |                |               |               |                |               |          |            |
| Honey produced                   | t        | 22 556         | 25 990         | 18 839         | 7 754          | 3 302          | 2 743         | 2 267         | 1 768          | 979           | 25       | 2          |
| Beeswax produced                 | t        | 422            | 620            | 341            | 138            | 58             | 50            | 46            | 35             | 13            | —        | —          |

(a) Source: *Livestock Products, Australia* (Cat no. 7215.0).

(b) Includes estimates of animals slaughtered on farms and by country butchers.

(c) Includes the Northern Territory and the Australian Capital Territory.

(d) Comprises broilers, fryers and roasters.

(e) Excludes Tasmania, the Northern Territory and the Australian Capital Territory.

(f) Dressed carcass weight, excluding offal.

(g) Dressed weight of whole birds, pieces and gblets.

(h) Unpublished ABS Data: ABS Brokers and Dealers collection of wool receivals, purchases and sales.

(i) Comprises dead and fellmongered wool and wool exported on skins.

(j) Source: Australian Dairy Corporation (ADC).

(k) Australian Capital Territory data is included in New South Wales.

(l) Excludes the Northern Territory.

(m) See Explanatory Notes, paragraphs 3 and 4.

## 6.5 CATTLE, By Type and Number of Establishments—Years ended 31 March

|   |             | AUST.....     |               |               | 1995.....     |               |               |              |              |              |              |           |
|---|-------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|-----------|
|   |             | 1993(a)       | 1994          | 1995          | NSW           | Vic.          | Qld           | SA           | WA           | Tas.         | NT           | ACT       |
|   |             | Unit          |               |               |               |               |               |              |              |              |              |           |
| CATTLE  |             |               |               |               |               |               |               |              |              |              |              |           |
| Milk cattle   |             |               |               |               |               |               |               |              |              |              |              |           |
| Cows in milk and dry  | '000        | 1 716         | 1 786         | 1 822         | 230           | 1 112         | 189           | 97           | 73           | 119          | 1            | —         |
| Other milk cattle   | '000        | 817           | 892           | 919           | 139           | 509           | 96            | 56           | 53           | 66           | —            | —         |
| <b>Total milk cattle(b)</b>                                   | <b>'000</b> | <b>2 532</b>  | <b>2 678</b>  | <b>2 741</b>  | <b>370</b>    | <b>1 622</b>  | <b>285</b>    | <b>152</b>   | <b>126</b>   | <b>185</b>   | <b>1</b>     | <b>—</b>  |
| Meat cattle   |             |               |               |               |               |               |               |              |              |              |              |           |
| Intended for service  | '000        | 552           | 557           | 555           | 127           | 72            | 220           | 29           | 47           | 12           | 48           | —         |
| Under one year  | '000        | 5 321         | 5 388         | 5 806         | 1 728         | 761           | 2 107         | 291          | 434          | 161          | 320          | 4         |
| Cows and heifers one year and over                            | '000        | 11 738        | 12 076        | 11 213        | 2 910         | 1 229         | 4 522         | 529          | 946          | 224          | 847          | 7         |
| Other cattle one year and over                                | '000        | 5 038         | 5 058         | 5 418         | 1 102         | 597           | 2 840         | 215          | 346          | 111          | 205          | 1         |
| <b>Total meat cattle</b>                                      | <b>'000</b> | <b>22 650</b> | <b>23 080</b> | <b>22 991</b> | <b>5 867</b>  | <b>2 659</b>  | <b>9 689</b>  | <b>1 064</b> | <b>1 773</b> | <b>507</b>   | <b>1 419</b> | <b>13</b> |
| <b>Total cattle and calves(b)</b>                             | <b>'000</b> | <b>25 182</b> | <b>25 758</b> | <b>25 731</b> | <b>6 236</b>  | <b>4 280</b>  | <b>9 974</b>  | <b>1 216</b> | <b>1 899</b> | <b>693</b>   | <b>1 421</b> | <b>13</b> |
| Proportion of total herd                                      |             |               |               |               |               |               |               |              |              |              |              |           |
| Milk cattle   | %           | 10.1          | 10.4          | 10.7          | 5.9           | 37.9          | 2.9           | 12.5         | 6.6          | 26.7         | 0.1          | —         |
| Meat cattle   | %           | 89.9          | 89.6          | 89.3          | 94.1          | 62.1          | 97.1          | 87.5         | 93.4         | 73.2         | 99.9         | 100.0     |
| ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY REPORTING CATTLE(c) |             |               |               |               |               |               |               |              |              |              |              |           |
| Milk cattle   |             |               |               |               |               |               |               |              |              |              |              |           |
| Cows in milk and dry  | no.         | 14 157        | 14 233        | 14 227        | 2 169         | 7 751         | 2 022         | 914          | 546          | 823          | 1            | 1         |
| Other milk cattle   | no.         | n.a.          | n.a.          | 14 035        | 2 165         | 7 623         | 1 974         | 904          | 532          | 836          | —            | 1         |
| <b>Total milk cattle(b)</b>                                   | <b>no.</b>  | <b>15 371</b> | <b>15 924</b> | <b>15 446</b> | <b>2 462</b>  | <b>8 366</b>  | <b>2 148</b>  | <b>989</b>   | <b>582</b>   | <b>895</b>   | <b>2</b>     | <b>1</b>  |
| Meat cattle   |             |               |               |               |               |               |               |              |              |              |              |           |
| Intended for service  | no.         | 52 830        | 65 670        | 65 170        | 22 765        | 14 885        | 16 702        | 4 207        | 4 058        | 2 289        | 206          | 55        |
| Under one year  | no.         | 52 091        | 66 386        | 68 758        | 23 898        | 15 770        | 17 426        | 4 711        | 4 114        | 2 591        | 189          | 59        |
| Cows and heifers one year and over                            | no.         | 56 839        | 72 680        | 71 871        | 25 094        | 16 165        | 18 461        | 4 882        | 4 421        | 2 580        | 207          | 60        |
| Other cattle one year and over                                | no.         | 38 164        | 46 654        | 53 406        | 16 574        | 12 469        | 15 591        | 3 443        | 3 040        | 2 073        | 181          | 35        |
| <b>Total meat cattle</b>                                      | <b>no.</b>  | <b>69 642</b> | <b>84 474</b> | <b>84 042</b> | <b>28 115</b> | <b>20 638</b> | <b>20 902</b> | <b>5 775</b> | <b>5 061</b> | <b>3 265</b> | <b>220</b>   | <b>66</b> |
| <b>Total establishments</b>                                   | <b>no.</b>  | <b>75 155</b> | <b>90 284</b> | <b>90 076</b> | <b>29 087</b> | <b>24 001</b> | <b>21 807</b> | <b>6 159</b> | <b>5 183</b> | <b>3 552</b> | <b>221</b>   | <b>66</b> |

(a) See Explanatory Notes, paragraphs 3 and 4.

(b) Excluding house cows and heifers.

(c) Excludes establishments with house cows and heifers only.

## 6.6 SHEEP, By Type, Lambing and Number of Establishments—Years ended 31 March

|   |             | AUST. ....     |                |                | 1995.....     |               |               |               |               |              |             |           |
|---|-------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|-------------|-----------|
|   | Unit        | 1993(a)        | 1994           | 1995           | NSW           | Vic.          | Qld           | SA            | WA            | Tas.         | NT          | ACT       |
| SHEEP   |             |                |                |                |               |               |               |               |               |              |             |           |
| Sheep and lambs   |             |                |                |                |               |               |               |               |               |              |             |           |
| Sheep   | '000        | 111 738        | 102 831        | 94 030         | 31 379        | 16 662        | 9 517         | 10 139        | 23 353        | 2 916        | n.c.        | 64        |
| Lambs and hoggets<br>under 1 year                         | '000        | 28 797         | 29 739         | 26 830         | 9 136         | 4 709         | 2 060         | 3 110         | 6 864         | 937          | n.c.        | 14        |
| <b>Total sheep and lambs</b>                              | <b>'000</b> | <b>140 544</b> | <b>132 569</b> | <b>120 862</b> | <b>40 516</b> | <b>21 371</b> | <b>11 577</b> | <b>13 249</b> | <b>30 218</b> | <b>3 853</b> | <b>n.c.</b> | <b>78</b> |
| LAMBING   |             |                |                |                |               |               |               |               |               |              |             |           |
| Ewes actually mated(b)                                    | '000        | 54 612         | 53 731         | 52 528         | 18 617        | 9 029         | 4 138         | 6 252         | 12 926        | 1 535        | n.c.        | 31        |
| Lambs marked  | '000        | 41 268         | 41 464         | 37 943         | 13 233        | 7 318         | 2 239         | 4 816         | 9 080         | 1 234        | n.c.        | 22        |
| Proportion of lambs<br>marked to ewes mated               | %           | 75.6           | 77.2           | 72.2           | 71.1          | 81.0          | 54.1          | 77.0          | 70.2          | 80.4         | n.c.        | 71.0      |
| Ewes intended to be<br>mated in 1995-96(c)                | '000        | n.a.           | n.a.           | 51 900         | 17 865        | 8 677         | 4 186         | 6 225         | 13 459        | 1 460        | n.c.        | 27        |
| ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY REPORTING SHEEP |             |                |                |                |               |               |               |               |               |              |             |           |
| Sheep and lambs   |             |                |                |                |               |               |               |               |               |              |             |           |
| Sheep   | no          | 56 417         | 59 046         | 55 167         | 18 852        | 13 820        | 2 799         | 8 747         | 8 907         | 1 984        | n.c.        | 58        |
| Lambs and hoggets<br>under 1 year                         | no          | 43 694         | 46 867         | 44 238         | 15 285        | 10 902        | 2 040         | 7 059         | 7 262         | 1 646        | n.c.        | 44        |
| <b>Total establishments</b>                               | <b>no</b>   | <b>57 017</b>  | <b>60 022</b>  | <b>56 878</b>  | <b>19 447</b> | <b>14 444</b> | <b>2 868</b>  | <b>8 980</b>  | <b>9 021</b>  | <b>2 058</b> | <b>n.c.</b> | <b>60</b> |

(a) See Explanatory Notes, paragraphs 3 and 4.

(b) Ewes mated to produce lambs marked in the season shown.

(c) Forecast made at the beginning of each season.



## 6.7 PIGS AND ESTABLISHMENTS(a)—Years ended 31 March

|                | Unit | AUST. .... |       |       | 1995..... |      |       |       |     |      |    |     |
|----------------|------|------------|-------|-------|-----------|------|-------|-------|-----|------|----|-----|
|                |      | 1993(b)    | 1994  | 1995  | NSW       | Vic. | Qld   | SA    | WA  | Tas. | NT | ACT |
| Pigs           | '000 | 2 673      | 2 775 | 2 653 | 791       | 439  | 644   | 423   | 316 | 38   | 3  | —   |
| Establishments | no   | 5 730      | 5 723 | 5 140 | 1 322     | 748  | 1 040 | 1 032 | 841 | 151  | 6  | —   |

(a) Number of establishments with agricultural activity reporting pigs

(b) See Explanatory Notes, paragraphs 3 and 4.

## 6.8 POULTRY—Years ended 31 March

|                       | Unit        | AUST. (a)..... |               |               | 1995.....     |               |               |              |              |            |            |            |
|-----------------------|-------------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|------------|------------|------------|
|                       |             | 1993(b)        | 1994          | 1995          | NSW           | Vic.          | Qld           | SA           | WA           | Tas.       | NT         | ACT        |
| <b>Chickens</b>       |             |                |               |               |               |               |               |              |              |            |            |            |
| For egg production    | '000        | 12 565         | 12 788        | 11 148        | 4 123         | 2 617         | 2 028         | 702          | 1 040        | 244        | 125        | 269        |
| For meat production   | '000        | 51 157         | 50 153        | 54 445        | 23 971        | 12 406        | 8 504         | 4 302        | 5 153        | —          | 108        | —          |
| <i>Total chickens</i> | '000        | 63 722         | 62 941        | 65 593        | 28 093        | 15 023        | 10 532        | 5 003        | 6 194        | 244        | 233        | 270        |
| Other poultry         | '000        | 6 229          | 7 420         | 2 088         | 1 550         | 446           | 19            | —            | 46           | 27         | —          | —          |
| <b>Total poultry</b>  | <b>'000</b> | <b>69 951</b>  | <b>70 362</b> | <b>67 681</b> | <b>29 644</b> | <b>15 470</b> | <b>10 551</b> | <b>5 003</b> | <b>6 240</b> | <b>271</b> | <b>233</b> | <b>270</b> |

(a) Excludes some establishments in Tasmania.

(b) See Explanatory Notes, paragraphs 3 and 4.

## 6.9 BEEKEEPING—Years ended 31 March

|   |      | AUST. .... |         |         | 1994-95..... |       |       |       |       |      |    |     |
|---|------|------------|---------|---------|--------------|-------|-------|-------|-------|------|----|-----|
| Unit  |      | 1992-93(a) | 1993-94 | 1994-95 | NSW          | Vic.  | Qld   | SA    | WA    | Tas. | NT | ACT |
| Beekeepers                                      | no.  | 686        | 1 659   | 1 271   | 485          | 294   | 269   | 120   | 70    | 30   | 2  | 1   |
| Beehives  |      |            |         |         |              |       |       |       |       |      |    |     |
| Productive(b)                                   | '000 | 278        | 381     | 314     | 125          | 65    | 47    | 43    | 20    | 13   | —  | —   |
| Unproductive                                    | '000 | 84         | 153     | 151     | 78           | 18    | 37    | 8     | 8     | 2    | —  | —   |
| Total   | '000 | 362        | 534     | 465     | 203          | 83    | 85    | 51    | 28    | 15   | —  | —   |
| Honey   |      |            |         |         |              |       |       |       |       |      |    |     |
| Quantity produced                               | t    | 22 556     | 25 990  | 18 839  | 7 754        | 3 302 | 2 743 | 2 267 | 1 768 | 979  | 25 | 2   |
| Average production<br>per productive<br>beehive | kg   | 81.1       | 68.2    | 60.0    | 62.0         | 50.8  | 58.4  | 52.7  | 88.4  | 75.3 | —  | —   |
| Beeswax   | t    | 422        | 620     | 341     | 138          | 58    | 50    | 46    | 35    | 13   | —  | —   |

(a) See Explanatory Notes, paragraphs 3 and 4.

(b) Beehives from which honey was taken.

## 6.10 GROSS VALUE, LIVESTOCK SLAUGHTERINGS AND PRODUCTS—Years ended 30 June

|   | AUST. ....     |                |                | 1994-95.....   |                |                |              |              |              |              |            |
|---|----------------|----------------|----------------|----------------|----------------|----------------|--------------|--------------|--------------|--------------|------------|
|   | 1992-93        | 1993-94        | 1994-95        | NSW            | Vic.           | Qld            | SA           | WA           | Tas.         | NT           | ACT        |
|   | \$m            | \$m            | \$m            | \$m            | \$m            | \$m            | \$m          | \$m          | \$m          | \$m          | \$m        |
| <b>Livestock slaughterings and other disposals(a)</b> |                |                |                |                |                |                |              |              |              |              |            |
| Cattle and calves(b)                                  | 3 839.2        | 4 433.5        | 4 213.5        | 1 066.4        | 775.8          | 1 592.6        | 201.1        | 295.7        | 106.1        | 173.6        | 2.2        |
| Sheep and lambs(c)                                    | 680.8          | 797.2          | 836.8          | 227.7          | 263.4          | 24.0           | 136.4        | 173.1        | 11.7         | —            | 0.4        |
| Pigs(d)   | 649.5          | 660.5          | 630.6          | 195.9          | 146.4          | 160.3          | 52.8         | 75.2         | n.p.         | n.p.         | —          |
| Poultry(d)  | 833.5          | 929.3          | 902.0          | (e)419.3       | 189.8          | 141.7          | 72.5         | 78.8         | n.p.         | n.p.         | (f)        |
| Other(g)  | 7.6            | 13.9           | 14.2           | 9.0            | 0.1            | 0.1            | 3.3          | 1.4          | n.p.         | 0.3          | —          |
| <i>Total slaughterings and other disposals(h)</i>     | <i>6 032.7</i> | <i>6 856.6</i> | <i>6 618.8</i> | <i>1 918.3</i> | <i>1 375.4</i> | <i>1 918.7</i> | <i>466.2</i> | <i>624.2</i> | <i>139.5</i> | <i>173.9</i> | <i>2.7</i> |
| <b>Livestock products</b>                             |                |                |                |                |                |                |              |              |              |              |            |
| <b>Wool</b>   |                |                |                |                |                |                |              |              |              |              |            |
| Shorn   | 2 485.7        | 2 351.1        | 3 200.7        | 1 143.8        | 597.8          | 235.8          | 324.4        | 795.0        | 102.4        | —            | 1.5        |
| Other(i)  | 82.8           | 98.0           | 118.5          | 42.4           | 36.0           | 4.4            | 15.2         | 16.2         | 4.4          | —            | 0.1        |
| <i>Total wool</i>                                     | <i>2 568.5</i> | <i>2 449.1</i> | <i>3 319.3</i> | <i>1 186.2</i> | <i>633.7</i>   | <i>240.2</i>   | <i>339.5</i> | <i>811.2</i> | <i>106.8</i> | <i>—</i>     | <i>1.6</i> |
| <b>Liquid whole milk used for</b>                     |                |                |                |                |                |                |              |              |              |              |            |
| Manufacturing Human consumption(j)                    | 1 521.6        | 1 619.5        | 1 511.2        | 126.4          | 1 120.3        | 84.9           | 65.6         | 33.1         | 80.8         | —            | —          |
| <i>Total wholemilk consumption(j)</i>                 | <i>792.8</i>   | <i>828.5</i>   | <i>907.9</i>   | <i>309.5</i>   | <i>192.9</i>   | <i>205.0</i>   | <i>80.2</i>  | <i>93.1</i>  | <i>26.7</i>  | <i>n.p.</i>  | <i>0.4</i> |
| Eggs(j)   | 2 314.4        | 2 448.0        | 2 419.1        | 435.9          | 1 313.3        | 289.9          | 145.8        | 126.2        | 107.5        | n.p.         | 0.4        |
| Honey   | 286.5          | 233.9          | 230.6          | 72.5           | 49.8           | 48.0           | 16.6         | 31.6         | 7.7          | n.p.         | 4.4        |
| Beeswax   | 36.3           | 32.9           | 24.6           | 9.8            | 4.4            | 3.5            | 3.1          | 1.9          | 2.0          | —            | —          |
| Other   | 1.8            | 2.8            | 1.5            | 0.6            | 0.3            | 0.2            | 0.2          | 0.1          | 0.1          | —            | —          |
| <i>Total livestock products(k)</i>                    | <i>5 207.5</i> | <i>5 166.7</i> | <i>5 995.0</i> | <i>1 705.0</i> | <i>2 001.4</i> | <i>580.4</i>   | <i>581.7</i> | <i>971.1</i> | <i>224.0</i> | <i>n.p.</i>  | <i>6.5</i> |

(a) Includes net exports of livestock.

(b) Includes dairy cattle slaughtered.

(c) Excludes value of wool on skins.

(d) Excludes pigs and poultry in the Northern Territory and Tasmania.

(e) Includes the Australian Capital Territory.

(f) Included in New South Wales.

(g) Excludes goats in Tasmania.

(h) Excludes Northern Territory pigs and poultry.

(i) Includes dead and fellmongered wool on skins.

(j) Excludes the Northern Territory.

(k) Excludes milk and eggs in the Northern Territory.

# SECTION 7

## LAND MANAGEMENT .....

### LAND USE

The area of land used for agricultural activity in 1994-95 totalled 463.3 million hectares or 60.3% of Australia's land mass. The largest agricultural States in terms of land used for agricultural activity were Queensland, with 149.7 million hectares (86.7%) and Western Australia, with 114.0 million hectares (45.1%). The area of non-agricultural land increased by 1.9% over the previous year.

#### 7.1 LAND USE, Area—Years ended 31 March

|                           | <i>Aust.</i>   | <i>NSW</i>    | <i>Vic.</i>   | <i>Qld</i>     | <i>SA</i>     | <i>WA</i>      | <i>Tas.</i>  | <i>NT</i>      | <i>ACT</i> |
|---------------------------|----------------|---------------|---------------|----------------|---------------|----------------|--------------|----------------|------------|
|                           | '000 ha        | '000 ha       | '000 ha       | '000 ha        | '000 ha       | '000 ha        | '000 ha      | '000 ha        | '000 ha    |
| CROPS(a)                  |                |               |               |                |               |                |              |                |            |
| 1993(b)                   | 17 297         | 3 906         | 2 258         | 2 316          | 3 073         | 5 668          | 73           | 4              | 1          |
| 1994(c)                   | 18 043         | 4 209         | 2 317         | 2 394          | 2 940         | 6 100          | 78           | 5              | —          |
| 1995(c)                   | 17 040         | 3 433         | 2 296         | 2 056          | 2 991         | 6 182          | 77           | 4              | —          |
| SOWN PASTURES AND GRASSES |                |               |               |                |               |                |              |                |            |
| 1993(b)                   | 28 967         | 6 107         | 5 435         | 5 594          | 3 379         | 7 409          | 833          | 192            | 17         |
| 1994(c)                   | 29 456         | 6 304         | 6 122         | 5 676          | 3 030         | 7 313          | 862          | 126            | 23         |
| 1995(c)                   | n.c.           | n.c.          | n.c.          | n.c.           | n.c.          | n.c.           | n.c.         | n.c.           | n.c.       |
| AGRICULTURAL LAND(d)      |                |               |               |                |               |                |              |                |            |
| 1993                      | 468 928        | 61 428        | 12 966        | 152 992        | 57 074        | 112 156        | 1 973        | 70 283         | 56         |
| 1994                      | 469 054        | 61 165        | 13 017        | 152 569        | 57 267        | 114 444        | 1 969        | 68 571         | 52         |
| 1995                      | 463 349        | 60 300        | 12 719        | 149 688        | 56 101        | 113 956        | 1 933        | 68 604         | 48         |
| NON-AGRICULTURAL LAND(e)  |                |               |               |                |               |                |              |                |            |
| 1993                      | 299 356        | 18 715        | 9 794         | 19 708         | 41 364        | 140 394        | 4 857        | 64 337         | 187        |
| 1994                      | 299 320        | 18 978        | 9 743         | 20 131         | 41 171        | 138 106        | 4 861        | 66 049         | 191        |
| 1995                      | 304 935        | 19 843        | 10 041        | 23 012         | 42 337        | 138 594        | 4 897        | 66 016         | 195        |
| TOTAL LAND                |                |               |               |                |               |                |              |                |            |
| <b>1995</b>               | <b>768 284</b> | <b>80 143</b> | <b>22 760</b> | <b>172 700</b> | <b>98 438</b> | <b>252 550</b> | <b>6 830</b> | <b>134 620</b> | <b>243</b> |

(a) Excludes pastures and grasses harvested for hay and seed which have been included in 'sown pastures and grasses'.

(b) Figures shown for 'crops' and 'sown pastures and grasses' for 1993 are based on farms having an Estimated Value of Agricultural Operations (EVAO) of \$22,500 or more.

(c) Figures shown for 1994 and 1995 are based on farms with an EVAO of \$5,000 or more and are therefore not strictly comparable with earlier years.

(d) Total area of establishments with an EVAO of \$5,000 or more.

(e) Comprises conserved land, forestry, urban and unused land such as vacant Crown land, commercially unused land on Aboriginal and other Crown reserves and waste land, ephemeral lakes, mangrove swamps etc.

NOTE: Agricultural land is generally divided into cropped land, land sown to pastures and grasses and a broad balance comprising grazing land, land lying idle or under fallow, etc. While agricultural land use presently occupies about 61.0% of Australia, many other uses have developed, some of which are listed in (e) above.

## TREES PLANTED

In the 1994–95 Agricultural Census, details of trees were collected regarding number of trees planted and main reasons for planting trees.

## 7.2 TREES PLANTED—Year ended 31 March

| <i>Trees planted</i> | <i>Unit</i> | <i>Aust.</i> | <i>NSW</i> | <i>Vic.</i> | <i>Qld</i> | <i>SA</i> | <i>WA</i> | <i>Tas.</i> | <i>NT</i> | <i>ACT</i> |
|----------------------|-------------|--------------|------------|-------------|------------|-----------|-----------|-------------|-----------|------------|
| From seedling        | '000        | 26 251       | 5 814      | 3 253       | 1 403      | 1 424     | 12 916    | 1 432       | 5         | 3          |
| With seed            | ha          | 61           | 3          | 2           | 46         | 1         | 8         | 1           | —         | —          |
| With seed            | km          | 14           | 6          | 2           | —          | 1         | 4         | 1           | —         | —          |

## 7.3 MAIN REASONS FOR PLANTING(a)—Year ended 31 March

| <i>Trees planted to</i>                | <i>Establish-ments</i> | <i>Aust.</i> | <i>NSW</i> | <i>Vic.</i> | <i>Qld</i> | <i>SA</i> | <i>WA</i> | <i>Tas.</i> | <i>NT</i> | <i>ACT</i> |
|--|------------------------|--------------|------------|-------------|------------|-----------|-----------|-------------|-----------|------------|
| Control dryland salinity               | no.                    | 5 312        | 814        | 1 540       | 218        | 733       | 1 943     | 63          | —         | 1          |
| Control irrigation salinity            | no.                    | 2 149        | 617        | 1 116       | 86         | 131       | 177       | 22          | —         | —          |
| Control water erosion                  | no.                    | 6 573        | 1 700      | 1 593       | 895        | 748       | 1 492     | 137         | 3         | 5          |
| Provide shelter or shade for livestock | no.                    | 16 910       | 4 460      | 5 142       | 1 543      | 2 649     | 2 595     | 504         | 5         | 12         |
| Act as a windbreak                     | no.                    | 17 942       | 4 789      | 5 438       | 1 462      | 2 900     | 2 824     | 508         | 9         | 12         |
| Reverse past clearing                  | no.                    | 12 034       | 3 569      | 2 861       | 1 179      | 2 140     | 1 981     | 290         | 5         | 9          |
| Commercial woodland purposes           | no.                    | 2 519        | 568        | 693         | 340        | 229       | 530       | 154         | 5         | —          |
| Other                                  | no.                    | 2 426        | 501        | 547         | 402        | 501       | 387       | 82          | 3         | 3          |

(a) Farmers were asked to report the three main reasons for planting trees; double counting may occur.

## SECTION 8

# APPARENT CONSUMPTION OF FOODSTUFFS

### MEAT AND MEAT PRODUCTS

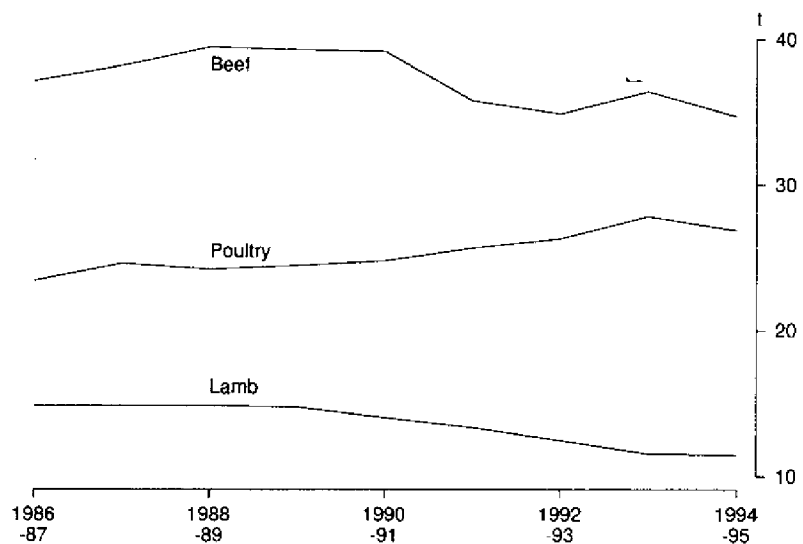
Preliminary results for 1994–95 show that the apparent per capita consumption of meat and meat products decreased by 6.7% to 74.5 kg. Contributing factors were decreases in mutton, down 32.9% to 5.7 kg, and beef, down 1.7% to 33.0 kg.

The decline in mutton consumption resulted from decreased production and a small build-up in stocks during 1994–95.

The per capita intake of offal and meat n.e.i. also decreased, by 23.5% to 1.2 kg.

### POULTRY

Apparent per capita consumption of poultry decreased by 3.5% to 26.9 kg in 1994–95. This followed increases during each of the previous five years.



### DAIRY PRODUCTS

In 1994–95, per capita consumption of market milk increased 1.1% to 103.0 litres. Between 1990–91, when consumption was 101.0 litres per capita, and 1994–95, milk intake increased by 2.0%. Per capita consumption of cheese in 1994–95 was 10.3 kg, a rise of 10.0% compared with 1993–94 while the consumption of butter increased by 4.7% to 3.1 kg.

### MARGARINE

The apparent consumption of table margarine decreased by 9.9% to 5.3 kg per capita in 1994–95. This was the fourth consecutive annual decline. Per capita consumption of other margarine rose for the second consecutive year, by 1.6% to 2.0 kg.

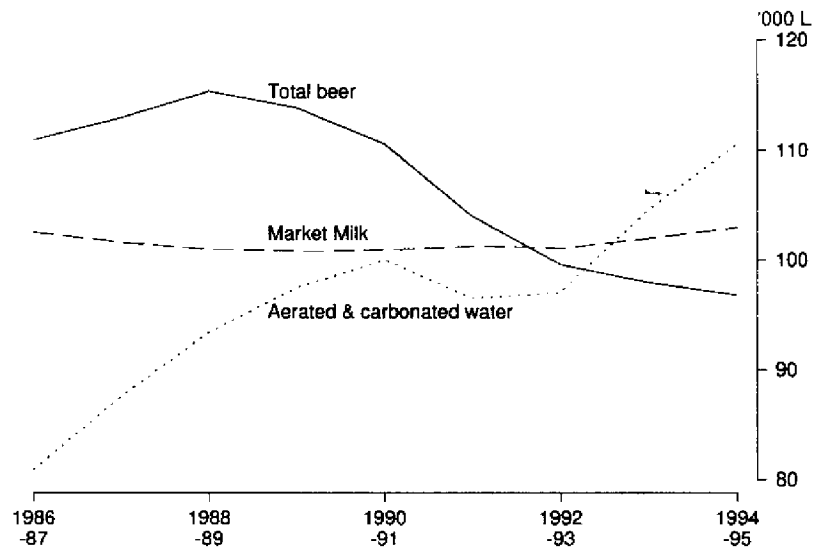
## BEVERAGES

The consumption of coffee in 1994–95 decreased 4.1% to 2.2 kg. Tea consumption also decreased, down 11.2% to 0.9 kg per person in 1994–95.

Consumption of aerated and carbonated waters increased by 5.8% to 110.6 litres per capita.

The apparent per capita consumption of low alcohol beer decreased for the second successive year to 21.4 litres, a fall of 3.3% over 1993–94. Following a rise which occurred in 1993–94, the first for seven years, apparent per capita consumption of other beer fell marginally to 75.5 litres. Overall, per capita beer consumption decreased by 1.1% from 98.0 litres in 1993–94 to 96.9 litres in 1994–95.

Wine consumption remained relatively stable, with a decrease of 1.2% to 18.3 litres per person in 1994–95.



## 8.1 AVAILABLE AND APPARENT CONSUMPTION OF SELECTED FOODSTUFFS—Years ended 30 June

|  | AVAILABLE FOR CONSUMPTION..... |                  |                  | APPARENT PER CAPITA CONSUMPTION..... |           |              |              |               |
|--|--------------------------------|------------------|------------------|--------------------------------------|-----------|--------------|--------------|---------------|
|  | Unit                           | 1992-93          | 1993-94          | 1994-95p                             | Unit      | 1992-93      | 1993-94      | 1994-95p      |
| <b>Meat and meat products</b>                            |                                |                  |                  |                                      |           |              |              |               |
| Carcass meat   |                                |                  |                  |                                      |           |              |              |               |
| Beef   | t                              | 613 668          | 646 742          | 622 415                              | kg        | 34.9         | 36.4         | 34.7          |
| Veal   | t                              | 27 457           | 28 964           | 27 348                               | kg        | 1.6          | 1.6          | 1.5           |
| Lamb   | t                              | 219 918          | 206 342          | 205 611                              | kg        | 12.5         | 11.6         | 11.5          |
| Mutton   | t                              | 146 138          | 149 863          | 101 670                              | kg        | 8.3          | 8.4          | 5.7           |
| Pigmeat  | t                              | 323 445          | 343 732          | 347 688                              | kg        | 18.4         | 19.4         | 19.4          |
| Total carcass meat                                       | t                              | 1 330 626        | 1 375 643        | 1 304 731                            | kg        | 75.7         | 77.5         | 72.7          |
| Offal and meat n.e.i.                                    | t                              | 38 852           | 40 533           | 31 346                               | kg        | 2.2          | 2.3          | 1.7           |
| <b>Total meat and meat products</b>                      | <b>t</b>                       | <b>1 369 478</b> | <b>1 416 177</b> | <b>1 336 077</b>                     | <b>kg</b> | <b>77.9</b>  | <b>79.8</b>  | <b>74.5</b>   |
| Bacon and ham (cured carcass weight)                     | t                              | 138 456          | 131 496          | n.y.a.                               | kg        | 7.9          | 7.4          | n.y.a.        |
| <b>Poultry</b>   |                                |                  |                  |                                      |           |              |              |               |
| Poultry (dressed weight)                                 | t                              | 467 457          | 501 642          | 504 827                              | kg        | 26.6         | 28.3         | 28.1          |
| <b>Seafood</b>   |                                |                  |                  |                                      |           |              |              |               |
| Fresh and frozen (edible weight)                         |                                |                  |                  |                                      |           |              |              |               |
| Fish   |                                |                  |                  |                                      |           |              |              |               |
| Australian   | t                              | 69 379           | 62 320           | n.y.a.                               | kg        | 3.9          | 3.5          | n.y.a.        |
| Imported   | t                              | 32 725           | 37 565           | n.y.a.                               | kg        | 1.9          | 2.1          | n.y.a.        |
| Crustacea and molluscs                                   | t                              | 29 359           | 27 165           | n.y.a.                               | kg        | 1.7          | 1.5          | n.y.a.        |
| Seafood otherwise prepared (product weight)              |                                |                  |                  |                                      |           |              |              |               |
| Australian   | t                              | 6 881            | 7 256            | n.y.a.                               | kg        | 0.4          | 0.4          | n.y.a.        |
| Imported   | t                              |                  |                  |                                      |           |              |              |               |
| Fish   | t                              | 31 025           | 34 401           | n.y.a.                               | kg        | 1.8          | 1.9          | n.y.a.        |
| Crustacea and molluscs                                   | t                              | 14 281           | 12 141           | n.y.a.                               | kg        | 0.8          | 0.7          | n.y.a.        |
| <b>Total seafood</b>                                     | <b>t</b>                       | <b>183 651</b>   | <b>180 848</b>   | <b>n.y.a.</b>                        | <b>kg</b> | <b>10.4</b>  | <b>10.2</b>  | <b>n.y.a.</b> |
| <b>Dairy products</b>                                    |                                |                  |                  |                                      |           |              |              |               |
| Market milk (fluid whole)                                | '000 L                         | 1 777 519        | 1 810 187        | 1 848 900                            | L         | 101.1        | 102.0        | 103.0         |
| Condensed, concentrated and evaporated milk              |                                |                  |                  |                                      |           |              |              |               |
| Full-cream sweetened and unsweetened                     |                                |                  |                  |                                      |           |              |              |               |
| Skim   | t                              | 37 872           | 35 262           | n.y.a.                               | kg        | 2.2          | 2.0          | n.y.a.        |
| Skim   | t                              | 37 599           | 48 690           | n.y.a.                               | kg        | 2.1          | 2.7          | n.y.a.        |
| Powdered milk  |                                |                  |                  |                                      |           |              |              |               |
| Full-cream   |                                |                  |                  |                                      |           |              |              |               |
| Skim   | t                              | 15 750           | 14 743           | n.y.a.                               | kg        | 0.9          | 0.8          | n.y.a.        |
| Skim   | t                              | 34 363           | 41 554           | n.y.a.                               | kg        | 2.0          | 2.3          | n.y.a.        |
| Infants' and invalids' food                              | t                              | 18 847           | 19 679           | n.y.a.                               | kg        | 1.1          | 1.1          | n.y.a.        |
| Cheese (natural equivalent weight)                       | t                              | 159 227          | 165 820          | 184 291                              | kg        | 9.1          | 9.3          | 10.3          |
| <b>Total (converted to milk solids, fat and non-fat)</b> | <b>t</b>                       | <b>409 469</b>   | <b>426 536</b>   | <b>n.y.a.</b>                        | <b>kg</b> | <b>23.3</b>  | <b>24.0</b>  | <b>n.y.a.</b> |
| <b>Fruit and fruit products</b>                          |                                |                  |                  |                                      |           |              |              |               |
| Fresh fruit (incl. fruit for fruit juice)                |                                |                  |                  |                                      |           |              |              |               |
| Citrus   | t                              | 748 720          | 768 691          | n.y.a.                               | kg        | 42.6         | 43.3         | n.y.a.        |
| Other  | t                              | 954 199          | 1 074 989        | n.y.a.                               | kg        | 54.3         | 60.6         | n.y.a.        |
| Jams, conserves, etc. (product weight)                   | t                              | 39 821           | 34 782           | n.y.a.                               | kg        | 2.3          | 2.0          | n.y.a.        |
| Dried fruit (product weight)                             | t                              | 47 702           | 54 170           | n.y.a.                               | kg        | 2.7          | 3.1          | n.y.a.        |
| Processed fruit (product weight)                         | t                              | 143 316          | 125 420          | n.y.a.                               | kg        | 8.2          | 7.1          | n.y.a.        |
| <b>Total (fresh fruit equivalent)</b>                    | <b>t</b>                       | <b>2 114 658</b> | <b>2 254 737</b> | <b>n.y.a.</b>                        | <b>kg</b> | <b>120.3</b> | <b>127.0</b> | <b>n.y.a.</b> |
| <b>Vegetables</b>  |                                |                  |                  |                                      |           |              |              |               |
| Potatoes   | t                              | 1 074 421        | 1 129 770        | n.y.a.                               | kg        | 61.1         | 63.6         | n.y.a.        |
| Other root and bulb vegetables                           | t                              | 322 069          | 368 210          | n.y.a.                               | kg        | 18.3         | 20.7         | n.y.a.        |
| Tomatoes   | t                              | 363 927          | 398 646          | n.y.a.                               | kg        | 20.7         | 22.5         | n.y.a.        |
| Leafy and green vegetables                               | t                              | 361 417          | 366 627          | n.y.a.                               | kg        | 20.6         | 20.7         | n.y.a.        |
| Other vegetables   | t                              | 432 547          | 460 044          | n.y.a.                               | kg        | 24.6         | 25.9         | n.y.a.        |
| <b>Total (fresh equivalent weight)</b>                   | <b>t</b>                       | <b>2 554 380</b> | <b>2 723 298</b> | <b>n.y.a.</b>                        | <b>kg</b> | <b>145.3</b> | <b>153.4</b> | <b>n.y.a.</b> |



8.1 APPARENT CONSUMPTION OF SELECTED FOODSTUFFS—Years ended 30 June *continued*

|                                  | Unit             | AVAILABLE FOR CONSUMPTION..... |                  |                  | Unit        | APPARENT PER CAPITA CONSUMPTION..... |             |               |
|----------------------------------|------------------|--------------------------------|------------------|------------------|-------------|--------------------------------------|-------------|---------------|
|                                  |                  | 1992-93                        | 1993-94p         | 1994-95p         |             | 1992-93                              | 1993-94p    | 1994-95p      |
| <b>Grain products</b>            |                  |                                |                  |                  |             |                                      |             |               |
| Flour(a)                         | t                | 1 313 890                      | 1 383 690        | n.y.a.           | kg          | 74.7                                 | 77.9        | n.y.a.        |
| Breakfast foods                  | t                | 190 784                        | 160 220          | n.y.a.           | kg          | 10.9                                 | 9.0         | n.y.a.        |
| Table rice                       | t                | 86 930                         | 98 686           | n.y.a.           | kg          | 4.9                                  | 5.6         | n.y.a.        |
| <b>Total grain products</b>      | <b>t</b>         | <b>1 591 604</b>               | <b>1 642 596</b> | <b>n.y.a.</b>    | <b>kg</b>   | <b>90.5</b>                          | <b>92.5</b> | <b>n.y.a.</b> |
| Bread                            | t                | 812 579                        | n.c.             | n.y.a.           | kg          | 54.4                                 | n.c.        | n.y.a.        |
| <b>Eggs and egg products</b>     |                  |                                |                  |                  |             |                                      |             |               |
| Number of eggs(b)                | '000 doz         | 217 416                        | 205 842          | n.y.a.           | no.         | 148                                  | 139         | n.y.a.        |
| <b>Nuts (in shell)</b>           |                  |                                |                  |                  |             |                                      |             |               |
| Peanuts                          | t                | 37 531                         | 31 365           | n.y.a.           | kg          | 2.1                                  | 1.8         | n.y.a.        |
| Tree nuts                        | t                | 72 544                         | 79 863           | n.y.a.           | kg          | 4.1                                  | 4.5         | n.y.a.        |
| <b>Oils and fats</b>             |                  |                                |                  |                  |             |                                      |             |               |
| Butter(c)                        | t                | 45 576                         | 52 973           | 56 054           | kg          | 2.6                                  | 3.0         | 3.1           |
| <b>Margarine</b>                 |                  |                                |                  |                  |             |                                      |             |               |
| Table margarine                  | t                | 108 365                        | 105 141          | 95 727           | kg          | 6.2                                  | 5.9         | 5.3           |
| Other margarine                  | t                | 31 538                         | 34 324           | 35 239           | kg          | 1.8                                  | 1.9         | 2.0           |
| <i>Total margarine</i>           | <i>t</i>         | <i>139 903</i>                 | <i>139 465</i>   | <i>n.y.a.</i>    | <i>kg</i>   | <i>8.0</i>                           | <i>7.9</i>  | <i>n.y.a.</i> |
| <b>Total (fat content)(d)</b>    | <b>t</b>         | <b>334 898</b>                 | <b>342 299</b>   | <b>n.y.a.</b>    | <b>kg</b>   | <b>19.0</b>                          | <b>19.3</b> | <b>n.y.a.</b> |
| <b>Sugars</b>                    |                  |                                |                  |                  |             |                                      |             |               |
| <b>Cane sugar</b>                |                  |                                |                  |                  |             |                                      |             |               |
| As refined sugar                 | t                | 158 786                        | 131 399          | n.y.a.           | kg          | 9.0                                  | 7.4         | n.y.a.        |
| In manufactured foods            | t                | 606 320                        | 537 012          | n.y.a.           | kg          | 34.5                                 | 30.2        | n.y.a.        |
| <i>Total cane sugar</i>          | <i>t</i>         | <i>765 106</i>                 | <i>668 411</i>   | <i>n.y.a.</i>    | <i>kg</i>   | <i>43.5</i>                          | <i>37.7</i> | <i>n.y.a.</i> |
| Honey                            | t                | 17 040                         | 13 051           | n.y.a.           | kg          | 1.0                                  | 0.7         | n.y.a.        |
| <b>Total(e)</b>                  | <b>t</b>         | <b>856 088</b>                 | <b>797 062</b>   | <b>n.y.a.</b>    | <b>kg</b>   | <b>48.7</b>                          | <b>44.9</b> | <b>n.y.a.</b> |
| <b>Beverages</b>                 |                  |                                |                  |                  |             |                                      |             |               |
| Tea                              | t                | 17 283                         | 18 493           | 16 600           | kg          | 1.0                                  | 1.0         | 0.9           |
| Coffee(f)                        | t                | 39 257                         | 40 478           | 39 233           | kg          | 2.2                                  | 2.3         | 2.2           |
| Aerated and carbonated waters(g) | '000 L           | 1 707 180                      | 1 856 487        | 1 985 112        | L           | 97.1                                 | 104.5       | 110.6         |
| <b>Beer</b>                      |                  |                                |                  |                  |             |                                      |             |               |
| Low alcohol                      | '000 L           | 423 102                        | 393 166          | 384 062          | L           | 24.1                                 | 22.1        | 21.4          |
| Other beer                       | '000 L           | 1 327 269                      | 1 347 296        | 1 355 321        | L           | 75.5                                 | 75.9        | 75.5          |
| <i>Total beer</i>                | <i>'000 L</i>    | <i>1 750 371</i>               | <i>1 740 462</i> | <i>1 739 384</i> | <i>L</i>    | <i>99.6</i>                          | <i>98.0</i> | <i>96.9</i>   |
| Wine                             | '000 L           | 319 407                        | 330 462          | 327 455          | L           | 18.2                                 | 18.6        | 18.3          |
| <b>Alcohol content</b>           |                  |                                |                  |                  |             |                                      |             |               |
| <b>Beer</b>                      |                  |                                |                  |                  |             |                                      |             |               |
| Low alcohol                      | '000 L al        | 12 523                         | 11 927           | 11 859           | L al        | 0.71                                 | 0.67        | 0.66          |
| Other beer                       | '000 L al        | 63 191                         | 64 476           | 64 743           | L al        | 3.59                                 | 3.63        | 3.61          |
| <i>Total beer</i>                | <i>'000 L al</i> | <i>75 714</i>                  | <i>76 403</i>    | <i>76 602</i>    | <i>L al</i> | <i>4.31</i>                          | <i>4.30</i> | <i>4.27</i>   |
| Wine                             | '000 L al        | 36 874                         | 37 756           | 37 811           | L al        | 2.10                                 | 2.13        | 2.11          |
| Spirits                          | '000 L al        | 20 511                         | 24 284           | 24 159           | L al        | 1.17                                 | 1.37        | 1.35          |
| <b>Total</b>                     | <b>'000 L al</b> | <b>133 099</b>                 | <b>138 443</b>   | <b>138 572</b>   | <b>L al</b> | <b>7.57</b>                          | <b>7.80</b> | <b>7.72</b>   |

(a) Includes flour used for breadmaking.

(b) Includes commercial disposals only.

(c) Includes butter equivalent of butter oil, butter concentrate and ghee.

(d) Includes an estimate for vegetable oils and other fats.

(e) Includes sugar content of syrups and glucose.

(f) Coffee and coffee products in terms of roasted coffee.

(g) Includes bulk pre-mix and post-mix concentrates in terms of drink equivalent.

## SPECIAL ARTICLE — ESTIMATED VALUE OF AGRICULTURAL OPERATIONS (EVAO) .....

### OVERVIEW

EVAO is a measure of the relative size of the agricultural activity of each farm, expressed in dollar terms, and is designed for statistical use only.

Although the concept of 'value' is used, it is not a true indicator of receipts obtained by units nor of the value of agricultural commodities produced by these units. The principle use for EVAO is in determining the relative importance to an establishment of particular agricultural activities. In other words, it is used to classify establishments and management units to particular industries. For example, the EVAO of each activity would be used to decide whether an establishment with sheep, meat cattle and cereal grains would be coded to ANZSIC 0121 grain growing, 0122 grain-sheep and grain-beef cattle farming, 0123 sheep-beef cattle farming, 0124 sheep farming or 0125 beef cattle farming.

EVAO is calculated for each establishment reporting agricultural activity in the Agricultural Census. In addition to being used for industry coding purposes, it provides an indication of the relative size of agricultural activity undertaken by establishments. EVAO is also used to set the scope for the Agricultural Census.

Originally the Census scope was determined on the area of the establishment undertaking agricultural activity, but since the mid 1970's has been based on the estimated value of operations of each establishment. A summary of the cutoffs used in the Agricultural Census is shown below.

### SA3.1 AGRICULTURAL CENSUS/EVAO CUTOFFS

| <i>Year</i>        | <i>EVAO/cutoff</i> |
|--------------------|--------------------|
| 1955-56 to 1972-73 | 1 acre             |
| 1973-74 to 1974-75 | 1 ha               |
| 1975-76 to 1980-81 | \$1 500            |
| 1981-82 to 1985-86 | \$2 500            |
| 1986-87 to 1990-91 | \$20 000           |
| 1991-92 to 1992-93 | \$22 500           |
| 1993-94 to 1994-95 | \$5 000            |

The methodology used to calculate EVAO for crops and livestock is described next.

## CROPS

The valuation begins at the commodity level by deriving a value for area (in the case of crops), area or number of trees (in the case of fruit) and a value for quantity produced for each commodity. The unit value (or price) for any agricultural commodity is derived at the State level. Unit values are not calculated where there is no reported incidence of the commodity.

The following example shows the methodology used for each individual fruit commodity where area (or number of trees) and production data are both collected in the census:

## Area

$$x = \frac{.5 \times \text{total commodity value over 3-year period}}{\text{total number of trees (including non-bearing trees or area where relevant) over 3-year period}}$$

## Production

$$y = \frac{.5 \text{ by total commodity value over 3-year period}}{\text{production of fruit over 3-year period}}$$

Half the total commodity value over the 3-year period is apportioned to 'area' to ensure that, in the event of crop failure, the usual activity of the establishment is valued for industry classification and sizing purposes. It also allows an establishment reporting non-bearing trees to be sized and classified on the basis of intended usual activity.

To derive EVAO, area items are multiplied by the unit value for area (x), production items are multiplied by the unit value for production (y) and the results added together. In the case where a farm reported only non-bearing trees and nil production the same unit value (i.e. \$x in the example above) is applied to the number of trees reported.

## LIVESTOCK

Livestock on holding and disposals of livestock are valued for each establishment. EVAO is derived by summing the number of livestock reported by the establishment in each livestock category and multiplying by the unit value for each category.

The unit value applied to each category of livestock (including poultry) is calculated by dividing the total value of livestock by the number of livestock over a 3 year period.

Unit value =

$$\frac{\text{Total value of livestock over 3 year period}}{\text{Total number of livestock over 3 year period}}$$

Where total value of livestock =

$$\begin{aligned} &\text{value of slaughterings} + \\ &\text{value of exports} + \\ &\text{value of livestock products} - \\ &\text{value of imports} \end{aligned}$$

And number of livestock =

$$\begin{aligned} &\text{number on the holding} + \\ &\text{number slaughtered} + \\ &\text{number exported} - \\ &\text{number imported} \end{aligned}$$

## CALCULATION

Once the individual agricultural commodities reported by each establishment have been valued, the individual commodity values are summed to provide the EVAO for the establishment.

The use of 3 years' data provides for a dampening or resistance effect to offset instability which could arise from short-term factors such as floods, droughts and commodity price fluctuations.

# EXPLANATORY NOTES

## INTRODUCTION

**1** This publication contains detailed statistics on crops, livestock and livestock products and characteristics of farms. Also included is summary information on the financial performance of agricultural industries, the value of agricultural commodities produced (VACP) and apparent consumption of foodstuffs.

## SCOPE AND COVERAGE

**2** The statistics on crops (including horticulture), livestock numbers, structure of agricultural industries, land management and farm inputs in this publication are derived from the annual Agricultural Census conducted throughout Australia at 31 March. The Agricultural Census collects data from establishments with agricultural activity.

**3** The scope of the 1994-95 Census was establishments with an EVAO of \$5,000 or more. The scope of the census for earlier years was set at different levels. The table below indicates the change in scope of the Agricultural Census over the past 10 years based on the EVAO of establishments.

| .....                     |        |
|---------------------------|--------|
| <i>EVAO cut-off level</i> |        |
| Year                      | \$     |
| .....                     |        |
| 1985-86                   | 2 500  |
| 1986-87                   | 20 000 |
| 1987-88                   | 20 000 |
| 1988-89                   | 20 000 |
| 1989-90                   | 20 000 |
| 1990-91                   | 20 000 |
| 1991-92                   | 22 500 |
| 1992-93                   | 22 500 |
| 1993-94                   | 5 000  |
| 1994-95                   | 5 000  |
| .....                     |        |

**4** In addition to the Census, some basic data has been previously collected via an Activity Collection for a limited range of commodities from those establishments having an EVAO of between \$5,000 and \$22,499. These data can be used together with census data to derive estimates of totals for selected commodities for all establishments having an EVAO greater than \$5,000. For the purpose of this publication, census details shown for 1992-93 have been recalculated to a \$5,000 EVAO equivalent basis where possible using information collected in the Activity Collection. Results for 1993-94 and 1994-95 based on \$22,500 EVAO for crops (including fruit and vegetables) are available on request.

## STRUCTURE

### Agricultural establishments

**5** For the Agricultural Census, the concept of an establishment is the same as that used by the ABS for all industry statistics collections. The establishment is the smallest accounting unit of business within a State or Territory, controlling its productive activities and maintaining a specified range of detailed data

### Agricultural establishments *continued*

including data enabling value added to be calculated. In general an establishment covers all operations at a physical location, but may consist of a group of locations provided that they are within the same State or Territory. The majority of establishments operate at one location only.

### Industry and size classification

**6** Since 1991-92, units in the Agricultural Census have been classified according to the methodology described in *Australian and New Zealand Standard Industrial Classification (ANZSIC)* (Cat. no. 1292.0). Prior to 1991-92, establishments were classified according to the methodology described in the 1983 edition of the *Australian Standard Industrial Classification (ASIC), Volume 1 - The Classification* (Cat. no. 1201.0). Therefore, care should be taken when making comparisons between years where different classifications have been used.

**7** The process of determining the industry class for ANZSIC is the step-by-step method of classification described in Chapter 4 of the *Australian Standard Industrial Classification (ASIC), Volume 1 - The Classification* (Cat. no. 1201.0). This method requires that the Division code of the unit be determined first. The Subdivision code within the major Division of the unit is then determined, followed by the Group code and finally the Class code of the unit. Certain departures from this basic method are outlined in the description of individual classes within Subdivision 01: Agriculture.

**8** The Group and Class codes of agricultural units are determined annually by valuing physical crop and livestock information collected in the Agricultural Census. The valuation procedure allows for the industry classification of individual units to be changed to reflect significant or long-term changes in their activities.

**9** However, the procedure provides for a dampening or resistance effect to offset instability in allocation to particular classes of the classification which would arise from short-term factors such as floods and drought. To obviate such effects, the valuation procedure takes into account (without double counting) the area of crops sown and numbers of livestock on holdings at a point in time as well as the crops produced and livestock turnoff during the year. The resultant aggregation of these commodity values is termed the EVAO. It should be noted that EVAO is applicable *only* for industry coding and size determination purposes. It is not an indicator of receipts obtained by units or of the value of agricultural commodities produced by these units. A more detailed description of the methodology used to derive EVAO is contained in the special article on pages 74-76.

### DEFINITIONS

**10** Following are definitions of terms used in the tables of this publication:

- *Agricultural establishment* is an establishment which is engaged *mainly* in agricultural activities.
- *Establishment with agricultural activity* is an establishment which is engaged in agricultural activity, regardless of the unit's predominant activity.

## EXPLANATORY NOTES *continued*

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### DEFINITIONS *continued*

- *Gross domestic product* which is commonly referred to as GDP, is formally defined as 'the total market value of goods and services produced in Australia after deducting the cost of goods and services used up (intermediate consumption) in the process of production, but before deducting allowances for the consumption of fixed capital (depreciation)'.

### AGRICULTURAL FINANCE SURVEY

**11** Estimates of financial performance in this publication have been derived from the 1994-95 Agricultural Finance Survey (AFS). The survey provides annual financial statistics on a consistent basis across all agricultural industries in each State and Australia.

**12** More detailed information is published in *Agricultural Industries, Financial Statistics, Australia*, (Cat. no. 7507.0).

#### Scope and content

**13** The population of the AFS consists of all economic units (management units) the principal activity of which resulted in them being classified within Subdivision 01: Agriculture of ANZSIC and which had an EVAO of \$22,500 or more.

### MANAGEMENT UNITS/FARM BUSINESSES

**14** The management unit is the highest level accounting unit within a business, having regard for industry homogeneity, for which accounts are maintained; in nearly all cases it coincides with the legal entity owning the business. Management units which have a predominant activity in the agricultural sector are called farm businesses.

**15** The 1994-95 AFS consisted of approximately 2,500 farm businesses, selected at random from all in-scope farm businesses on the ABS business register.

**16** The financial details collected in the AFS relate to the agricultural and (where applicable) non-agricultural business activities of the selected farm businesses. Any management unit which was predominantly engaged in non-agricultural activity was regarded as out of scope of the AFS even though it may have had one or more establishments engaged in agriculture.

### RELIABILITY OF ESTIMATES

**17** The estimates are based on information obtained from a sample drawn from the total farm business population, and are subject to sampling variability; that is, they may differ from the figures that would have been produced if all farm businesses had been included in the AFS. One measure of the likely difference is given by the *standard error*, which indicates the extent of which an estimate might have varied by chance because only a sample of farm businesses was included. For more information, refer to *Agricultural Industries, Financial Statistics, Australia*, (Cat. no. 7507.0).

## EXPLANATORY NOTES *continued*

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### CROPS, PASTURES AND HORTICULTURE

**18** Statistics of area and production of crops relate, in the main, to crops sown during the year ended 31 March. Statistics of perennial crops relate to the position as at 31 March and the production during the year ended on that date, or of fruit set by that date. For example, particulars of area, production and yield per hectare of wheat in Australia refer to wheat sown during the period from April to September and harvested between October and the following February, i.e. the 1994–95 season relates to the harvesting period October 1994 to February 1995. Statistics of other crops which in some States are harvested after 31 March 1995 (e.g. maize, potatoes, apples and pears) are collected by supplementary census returns and are included in this publication.

### LIVESTOCK SLAUGHTERING AND LIVESTOCK PRODUCTS

**19** The statistics on livestock slaughtering and meat production are based on a monthly collection from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms and by country butchers and other small slaughtering establishments. Care should be taken when using this information as the figures only relate to slaughtering for human consumption and do not include animals condemned or those killed for boiling down. Definitions of livestock categories may differ between States and within States, particularly with regard to calves. More detailed information is published monthly in *Livestock Products, Australia* (Cat. no. 7215.0).

### WOOL

**20** Wool production statistics contained in table 6.4 are derived from the monthly ABS Wool Brokers and Dealers Receipts Collection.

**21** Wool receipts statistics show the amount of taxable wool received by brokers and dealers from wool producers. It excludes wool received by brokers on which wool tax has already been paid by other dealers (private buyers) or brokers. The information shown is on the basis of the State in which the wool has actually been produced and is different to the receipts of wool by State data that is published monthly in *Livestock Products, Australia* (Cat. no. 7215.0).

### MILK

**22** Milk statistics have been collected and provided to the ABS by the Australian Dairy Corporation. More detailed information is published monthly in *Livestock Products, Australia* (Cat. no. 7215.0).

### POULTRY

**23** Poultry slaughtering statistics have been compiled from returns supplied by commercial poultry slaughtering establishments. Producers in Tasmania, the Northern Territory and the Australian Capital Territory are not included in the aggregates derived from the collection. However, the statistics represent a high level of coverage. More detailed information is available in *Livestock Products, Australia* (Cat. no. 7215.0).

### BEEKEEPING

**24** Beekeepers were included in the scope of the 1994–95 Agricultural Census if they had an EVAO (whether from beekeeping alone or in conjunction with other agricultural activities) of \$5,000 or more. In 1991–92 and 1992–93 only those beekeepers with an EVAO of \$22,500 or more were included in the scope of the Agricultural Census.



## VALUE OF AGRICULTURAL COMMODITIES PRODUCED

**25** This publication contains summary information the Value of Agricultural Commodities Produced (VACP) compiled annually for all States and Australia. They include gross values of production for selected agricultural commodities. More detailed information is available in *Value of Agricultural Commodities Produced, Australia*, (Cat. no. 7503.0).

**26** Gross value of commodities produced is defined as the value placed on recorded production at the wholesale prices realised in the market place.

### Scope and coverage

**27** The statistics are derived by multiplying quantity data by price (or unit value) data. The quantity data are collected in Agricultural Censuses and other ABS collections with some information from external sources. Most price information is obtained from non-ABS sources.

### Information sources

**28** For quantity data, production of crops relates, in the main, to crops sown during the year ended 31 March. Statistics of perennial crops relate to the position as at 31 March and production during the year ended on that date. Information covering such commodities as livestock slaughtering, dairy produce and beekeeping is obtained from separate collections and from organisations such as the Australian Dairy Corporation.

### Price and marketing costs data

**29** The method of collection of relevant prices for, and the costs of marketing of, agricultural commodities varies considerably between States and between commodities. Where a statutory authority handles marketing of the whole or portion of a product (e.g. Australian Wheat Board, Australian Barley Board) data are usually obtained from this source. Information is also obtained from marketing reports, wholesalers, brokers and auctioneers. For all commodities, values are in respect of production during the year (or season) irrespective of whether or when payments are made. For that portion of production not marketed (e.g. hay grown on farm for own use, milk used in farm household, etc.) estimates are made from the best available information and, in general, are valued on a local value basis.

## PUBLICATION STRATEGY

**30** The aim of the Agriculture Program is to disseminate statistics to the user community in a timely and appropriate form. Agricultural Census data are available in publications progressively throughout the processing cycle: first preliminary estimates are available in May; second estimates at the national level in August with more detailed State publications following in September; and final estimates in electronic form (AgStats) by April the following year and release of the publication by June. A final publication is also produced for each State shortly after the release of this publication. There is no pre-release of data ahead of the May preliminary publication.

**31** The derived series, VACP, is produced annually, using data from the Agricultural Census, the monthly livestock collections and a range of other sources. Preliminary results are released in July each year, with final results by May of the following year.

**32** For the annual AFS, preliminary results are released by early February each year, with final results by the following July.

### PUBLICATION STRATEGY *continued*

**33** The monthly livestock products series are published within five weeks of the end of the reference month. Preliminary results of Apparent Consumption of Foodstuffs are released in November each year, while final estimates are released within two years.

**34** The ABS package, AgStats, offers a wider range of Census and VACP data aggregated to Statistical Local Area (SLA). This package is shortly to be redeveloped using the Integrated Regional Data Base (IRDB) as the software platform. It is planned to produce the new version, together with the final release of the existing version of AgStats for the 1996-97 Census. Livestock products data are available monthly via PC-AUSSTATS.

**35** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products* (Cat. no. 1101.0). The ABS also issues, on Tuesdays and Fridays, a *Release Advice* (Cat. no. 1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

### UNPUBLISHED STATISTICS

**36** Unpublished statistics and customised output are available as a special data service and can be obtained by contacting David Ketley on 1800 801 520 or Information Services in any ABS office.

### RELATED PUBLICATIONS

**37** A range of agricultural publications is produced by the ABS, including:

- Agricultural Industries, Financial Statistics, Australia* (Cat. no. 7507.0)
- Agricultural Industries, Financial Statistics, Australia, Preliminary Estimates* (Cat. no. 7506.0)
- Agriculture, New South Wales* (Cat. no. 7113.1)
- Agriculture, Victoria* (Cat. no. 7113.2)
- Agriculture, Queensland* (Cat. no. 7113.3)
- Agriculture, South Australia* (Cat. no. 7113.4)
- Agriculture, Western Australia* (Cat. no. 7113.5)
- Agriculture and Fishing, Northern Territory* (Cat. no. 7113.7)
- Agriculture, Tasmania* (Cat. no. 7114.6)
- Apparent Consumption of Selected Foodstuffs, Australia, Preliminary* (Cat. no. 4315.0)
- Apparent Consumption of Foodstuffs and Nutrients, Australia* (Cat. no. 4306.0)
- Livestock Products, Australia* (Cat. no. 7215.0)
- Principal Agricultural Commodities, Australia, Preliminary* (Cat. no. 7111.0)
- Principal Agricultural Commodities, New South Wales, Preliminary* (Cat. no. 7111.1)
- Principal Agricultural Commodities, Victoria, Preliminary* (Cat. no. 7111.2)
- Principal Agricultural Commodities, Queensland, Preliminary* (Cat. no. 7111.3)
- Principal Agricultural Commodities, South Australia, Preliminary* (Cat. no. 7111.4)

## EXPLANATORY NOTES *continued*

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### RELATED PUBLICATIONS *continued*

*Principal Agricultural Commodities, Western Australia, Preliminary*  
(Cat. no. 7111.5)

*Principal Agricultural Commodities, Tasmania, Preliminary* (Cat. no. 7111.6)

*Selected Agricultural Commodities, Australia, Preliminary* (Cat. no. 7112.0)

*Value of Agricultural Commodities Produced, Australia* (Cat. no. 7503.0)

*Value of Principal Agricultural Commodities Produced, Australia, Preliminary*  
(Cat. no. 7501.0)

**38** For comparisons of the agriculture industry with other industries, users are referred to:

*Australian National Accounts: National Income, Expenditure and Product*  
(Cat. no. 5206.0)

*Business Operations and Industry Performance, Australia* (Cat. no. 8140.0)

## For more information . . .

The ABS publishes a wide range of statistics and other information on Australia's economic and social conditions. Details of what is available in various publications and other products can be found in the ABS Catalogue of Publications and Products available from all ABS Offices.

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### National Dial-a-Statistic Line

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### Internet

<http://www.abs.gov.au>

A wide range of ABS information is available via the Internet, with basic statistics available for each State, Territory and Australia. We also have Key National Indicators, ABS product release details and other information of general interest.

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