

**AUSTRALIAN** **CROP**  
**R E P O R T**

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**ABARE**

*Innovation in Economic Research*

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The next issue of the *Australian Crop Report* will be released on Tuesday, 4 December 2001.

IN THE NEXT ISSUE ...

- 2001-02 winter crop production update
- 2001-02 initial summer crop planting and production estimates

ABARE project 1076

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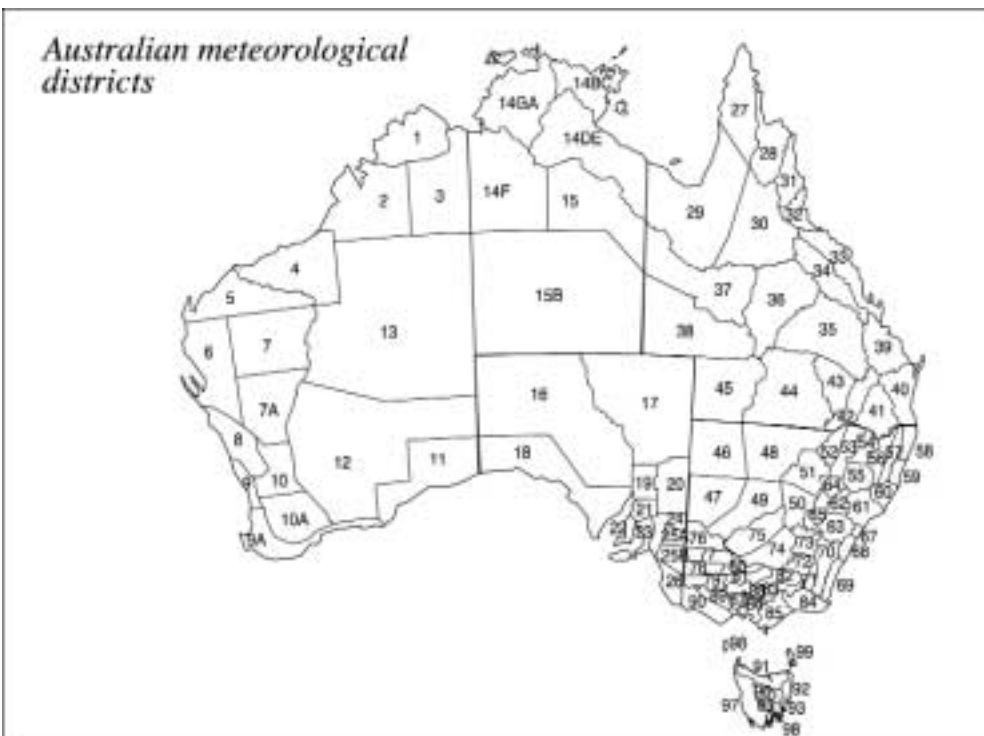
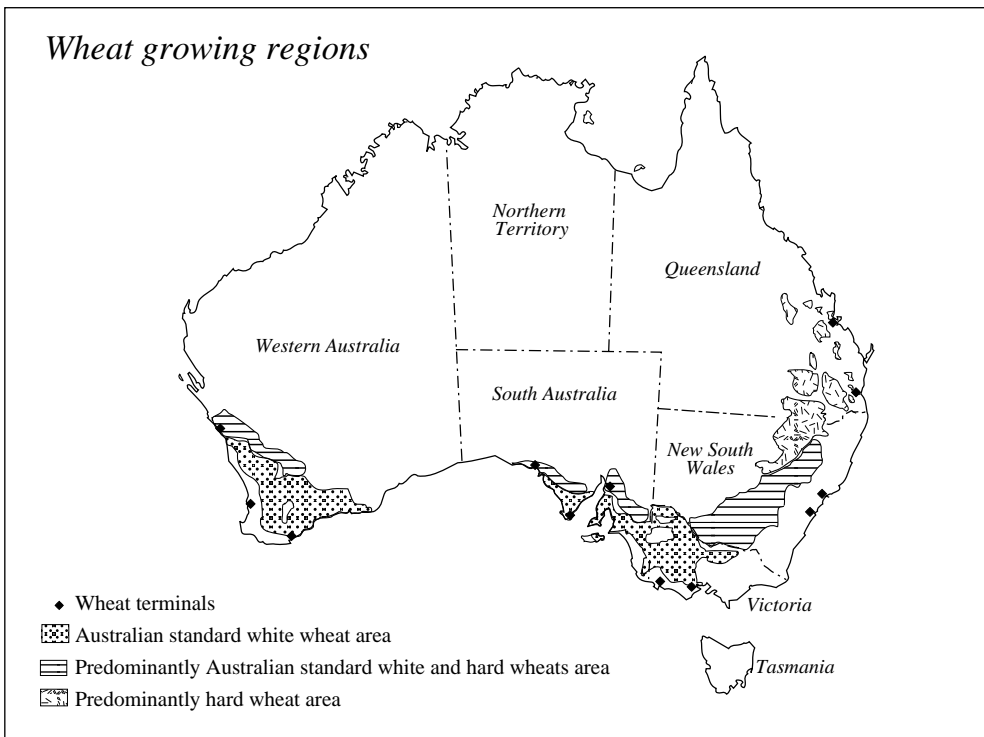
# AUSTRALIAN CROP REPORT

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# AUSTRALIAN CROP REPORT



# AUSTRALIAN CROP REPORT

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## Overview

- *Despite less than ideal planting conditions, Australian winter crop production is forecast to be nearly 32 million tonnes, only marginally lower than in 2000-01, and the fifth largest on record.*
- *Key cropping areas in Western Australia and Queensland remained largely dry until crop saving rain fell in late July and early August. Crops in other states are progressing well; however, low subsoil moisture in key regions mean that timely spring rain is critical.*
- *Delayed planting rains in many key grain producing areas has resulted in a reduction on both wheat and canola area while for the second year in a row, Australian barley area is forecast to increase.*
- *Total summer crop area is forecast to increase by 9 per cent to 1.7 million hectares in 2001-02 following poor winter crop plantings in Queensland in the previous year.*

## Winter crop

Widespread rain in late July and August (map 1) improved prospects for crops in major producing regions, and especially in Western Australia and Queensland. Farmers in New South Wales, Victoria and South Australia had a better start to the cropping season and planted large areas. Spring rain is essential to crop development, particularly in pockets of the Victorian and South Australian Mallee, and south western New South Wales that have low subsoil moisture.

Delayed planting rains across the majority of Australia's cropping belt, particularly in Western Australia and Queensland, resulted in a 5 per cent reduction in total cropping area and a change in the cropping mix. The area sown to wheat and canola is estimated to have decreased by 7 per cent and 12 per cent respectively because of late planting rains. Added factors in the case of canola, were relatively low prices at planting, compared with wheat and barley, a narrow planting timeframe, and the relatively poor performance of last year's crop in Western Australia. The late start to the season and relatively favorable returns for barley led to around a 7 per cent increase in barley area.

Better livestock prices and a consequent need to increase pasture in cropping rotations to allow for some growth in cattle and sheep numbers may have also contributed to the lower winter crop area this year.

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### **A** *Australian winter crop production* <sup>a</sup>

|                      | New South<br>Wales | Victoria   | Queensland | Western<br>Australia | South<br>Australia | Australia |
|----------------------|--------------------|------------|------------|----------------------|--------------------|-----------|
|                      | Mt                 | Mt         | Mt         | Mt                   | Mt                 | Mt        |
| 1994-95              | 1.47               | 1.80       | 0.31       | 7.91                 | 2.98               | 14.71     |
| 1995-96              | 6.74               | 4.35       | 0.74       | 10.22                | 5.16               | 27.82     |
| 1996-97              | 11.27              | 4.55       | 2.59       | 11.32                | 5.36               | 35.89     |
| 1997-98              | 8.29               | 3.21       | 1.63       | 12.06                | 5.22               | 31.15     |
| 1998-99              | 9.52               | 3.56       | 2.57       | 12.12                | 6.24               | 34.76     |
| 1999-2000            | 11.07              | 4.86       | 2.22       | 13.30                | 4.63               | 36.99     |
| 2000-01 <sup>p</sup> | 8.93               | 5.55       | 1.53       | 8.19                 | 7.21               | 32.15     |
| 2001-02 <sup>f</sup> | 9.78               | 4.79       | 1.04       | 8.59                 | 6.67               | 31.74     |
| <i>% change</i>      | <i>10</i>          | <i>-14</i> | <i>-32</i> | <i>5</i>             | <i>-7</i>          | <i>-1</i> |

<sup>a</sup> State areas includes wheat, barley, oats, canola, lupins, field peas, chickpeas, faba beans and lentils. Australian totals also include triticale, linseed, safflower and vetch. <sup>p</sup> ABARE preliminary estimate. <sup>f</sup> ABARE forecast.

High prices for all grains encouraged producers to plant some crops at a much later than optimal time, which may result in reduced yields in some areas.

Total winter crop area in 2001-02 is forecast to reach 18.5 million hectares, around 5 per cent lower than in 2000-01, and the smallest area since 1997-98. Wheat area in 2001-02 is forecast to be around 11.2 million hectares, and canola around 1.2 million hectares. The area planted to barley is forecast to be nearly 3.2 million hectares.

### *Summer crops*

Summer crop area in 2001-02 is forecast to increase by 9 per cent to almost 1.7 million hectares, while production is forecast to increase by 5 per cent to 5.2 million tonnes. For rice, a reduction in planted area, reflecting reduced water availability and to a lesser extent lower prices, is forecast to result in production falling by around 18 per cent from the record 2000-01 crop.

The area and production of 2001-02 summer crop will be heavily influenced by spring rainfall. In central and southern Queensland the failure of the winter crop means that a large amount of land will be available for summer crop production. Cash flow problems combined with current high feed grain prices will also contribute to a large summer crop, provided adequate planting rains are received.

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### *B* Australian summer crop plantings <sup>a</sup>

|                      | New South Wales | Queensland | Australia |
|----------------------|-----------------|------------|-----------|
|                      | '000 ha         | '000 ha    | '000 ha   |
| 1995-96              | 564             | 792        | 1 466     |
| 1996-97              | 633             | 673        | 1 429     |
| 1997-98              | 606             | 620        | 1 341     |
| 1998-99              | 854             | 669        | 1 709     |
| 1999-2000            | 695             | 718        | 1 550     |
| 2000-01 <sup>p</sup> | 767             | 655        | 1 534     |
| 2001-02 <sup>f</sup> | 763             | 796        | 1 671     |
| % change             | -1              | 22         | 9         |

<sup>a</sup> Australian totals include rice, peanuts, navy beans and mung beans. State production includes sorghum, cottonseed, sunflowers, maize, and soybeans. <sup>p</sup> ABARE preliminary estimate.

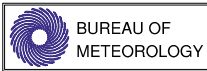
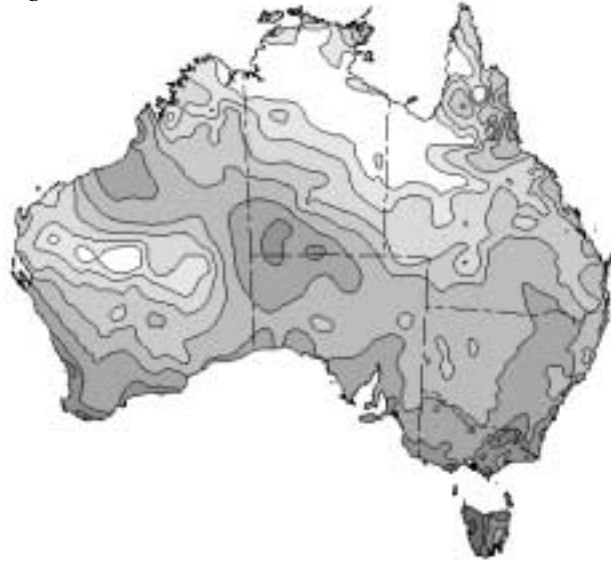
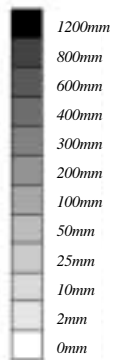
### *Seasonal climate outlook*

The likelihood of exceeding median rainfall in Australian cropping regions can be forecast by analysing changes in global ocean and atmospheric circulation patterns. According to the Bureau of Meteorology, conditions in the Pacific and Indian Oceans indicate a 60–70 per cent chance of exceeding the median spring rainfall in southern and south west Western Australia (map 2). The cropping areas of eastern Australia have an even chance of receiving long term medium spring rainfall. As was the case in 1999 and 2000, early indications of a developing El Niño in May/June of this year have dissipated.

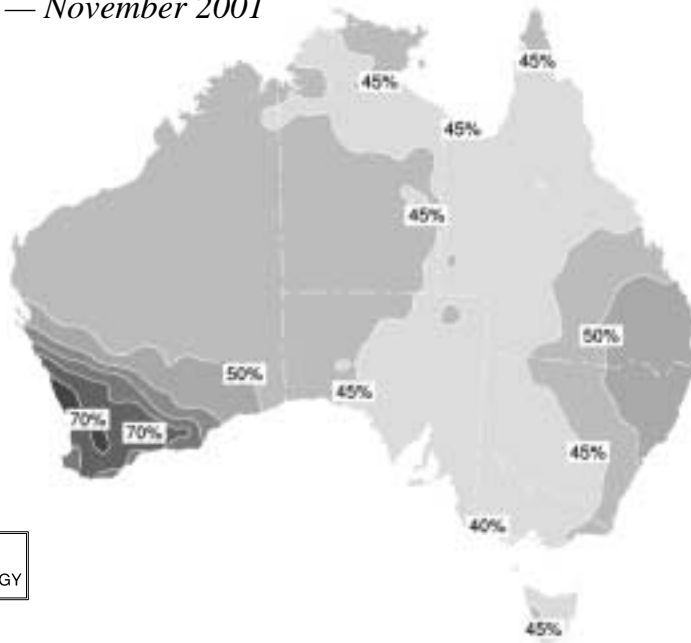
It should be noted that these seasonal climate forecasts provide information on the probability of exceeding cumulative median rainfall over the months of September to November, and do not provide information on the timing and distribution of rainfall, which can have a significant influence on planting opportunities and crop development. These forecasts also need to be interpreted with reference to the amount of stored soil moisture in specific cropping regions.

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## 1 Australian rainfall analysis 1 June to 31 August 2001



## 2 Chance of exceeding the median rainfall September — November 2001





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### *New South Wales*

- *Total winter crop production in New South Wales is forecast to increase by 10 per cent to 9.8 million tonnes. Total area planted to winter crops is estimated to be up 1 per cent to 4.9 million hectares.*
- *Crop establishment was variable across the state, with good planting rains in the North and Central West regions offset by dry conditions in the south of the state. Most southern crops were planted later than optimum, especially in the South West and the Riverina, with dry sowing common.*
- *Timely rains and adequate soil moisture are expected to result in above average yields in the North and Central West, while continuing dry conditions in the South West make spring rain critical.*
- *Canola area has fallen, mainly because of a lack of timely planting rains in the south of the state, while wheat and barley areas have risen owing to the later planting opportunities and high prices encouraging growers to proceed with planting.*

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#### *New South Wales winter crop, 2001-02*

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|        | Area    | Yield † | Production † | Production<br>change from<br>2000-01 |
|--------|---------|---------|--------------|--------------------------------------|
|        | '000 ha | t/ha    | kt           | %                                    |
| Wheat  | 3 400   | 2.12    | 7 200        | 1                                    |
| Barley | 530     | 2.15    | 1 140        | 31                                   |
| Canola | 380     | 1.65    | 627          | -10                                  |

† ABARE forecast.

#### *Crop update*

- *Wheat* production in New South Wales in 2001-02 is forecast to rise by 7 per cent to 7.2 million tonnes, despite a 4 per cent fall in the estimated area planted. Timely rain and adequate soil moisture in the northern region are expected to result in an improved harvest this year. This area experienced a relatively poor outcome in 2000-01 because of heavy rain and flooding at harvest.

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- Preliminary results from ABARE's farm survey data reveal that the areas planted to wheat in the northern and southern regions of the state have fallen when compared with last year while in the central region the area planted is greater.
- Production of *barley* in New South Wales is forecast to rise by 31 per cent to 1.1 million tonnes in 2001-02. Higher prices for both malting and feed barley have encouraged growers to plant more barley, with the total area planted estimated to be 26 per cent greater than last year.
- *Canola* production is forecast to fall by 10 per cent in 2001-02 to 627 000 tonnes, reflecting reduced yields. While the estimated area was expected to increase earlier in the season, dry conditions in the south west of the state reduced the area sown.
- Canola crops in the north and central west regions of the state are in very good condition having benefited from timely planting rains with followup rains increasing subsoil moisture. In the south, where the largest proportion of the state's canola is grown, full planting rains were not received. Dry sowing was common, with many farmers planting later than optimal or not at all. Widespread rain in late August has improved crop prospects but yields are expected to be considerably lower in the south than in the north and central west regions.
- *Cottonseed* production in New South Wales is forecast to fall by around 2 per cent in 2001-02 to 697 000 tonnes from a planted area of around 307 000 hectares. A 55 per cent reduction in area sown to dryland cotton is forecast, reflecting low world prices eroding the profitability of more marginal dryland production. However, a small increase in area planted to irrigated cotton is forecast and this will mostly counter the decrease in dryland plantings. Irrigated areas are set up specifically for cotton and, although prices are low, cotton is still the most profitable crop.
- Total area planted to *rice* in 2001-02 is forecast to decrease to 165 000 hectares, 10 per cent lower than the record amount sown in 2000-01. This reduction reflects early expectations of lower water allocations and much lower international prices. Assuming a return to average yields, Australian rice production is forecast to fall by 18 per cent to 1.4 million tonnes in 2001-02.
- The area sown to *sorghum* in 2001-02 is forecast to rise by 5 per cent to 220 000 hectares reflecting strong feed prices, and high soil moisture levels, which will encourage farmers to double crop where feasible in the major producing regions of the north.

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### Victoria

- *Victorian winter crops are currently progressing well, with production forecast to be 4.8 million tonnes, 14 per cent lower than in 2000-01.*
- *Late planting rains delayed winter crop planting in the Southern Mallee and the Wimmera, and as a result has lowered yield potential. Crops in these regions are about 2–3 weeks behind their normal growth stage for this time of year.*
- *Crops in the North Eastern Mallee had a timely start to the season and throughout the winter have been maintained by good levels of stored moisture.*
- *Recent widespread but variable rains across the state have been beneficial for crops particularly in the Southern Mallee and the Wimmera where subsoil moisture levels are low. These crops will require significant spring rains to ensure a good finish.*
- *Crops have been relatively disease free, reflecting the dry and mild winter. Crop area has increased in the south west of the state because of an increase in the use of raised bed planting that largely overcomes the waterlogging problems that are associated with this region.*

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#### Victorian winter crop, 2001-02

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|        | Area    | Yield f | Production f | Production<br>change from<br>2000-01 |
|--------|---------|---------|--------------|--------------------------------------|
|        | '000 ha | t/ha    | kt           | %                                    |
| Wheat  | 1 170   | 2.14    | 2 500        | –22                                  |
| Barley | 625     | 1.88    | 1 175        | –6                                   |
| Canola | 240     | 1.50    | 360          | –10                                  |

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f ABARE forecast.

#### Crop update

- *Canola* crops are progressing well, with yields forecast to average 1.5 tonnes per hectare. Reflecting the relatively dry conditions throughout winter, there has been little incidence of blackleg disease. Further rain may encourage increased fertiliser use on some canola crops.

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- ***Wheat*** production is forecast to fall in 2001-02 because of a slight reduction in area planted and a return to around longer term average yields because of the delayed start to the season and lack of subsoil moisture in pockets of the Mallee and the Wimmera.
- ***Barley*** production is forecast to fall although the area planted rose as producers substituted away from earlier sown cereals such as canola and wheat, because of the late break in the season

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### Queensland

- *Total winter crop production in Queensland is forecast to fall to just over 1 million tonnes, 32 per cent lower than last year, and the smallest winter crop area since 1995-96. This is largely a result of the estimated 41 per cent reduction in planted area.*
- *The area planted to winter crops in central Queensland was sharply reduced owing to the lack of planting rains. In addition, the large 2000-01 summer crop meant that the land available for winter cropping was significantly reduced.*
- *Planted area in southern Queensland was also badly affected by a lack of planting rains. A very small area of winter crop was planted on the Darling Downs. Planted areas further north and west have increased in recent years and currently have good yield potential after rain in July. Around Roma some wheat was planted late on July rain.*
- *Timely rain will be critical in the southern areas as temperatures increase and later sown crops reach important stages of development.*
- *Given adequate planting rain the area sown to summer crops is forecast to increase from the previous year. Some areas of central Queensland now have good subsoil moisture and, given planting rain in September, will plant a large spring sorghum crop.*

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#### Queensland winter crop, 2001-02

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|        | Area    | Yield † | Production † | Production<br>change from<br>2000-01 |
|--------|---------|---------|--------------|--------------------------------------|
|        | '000 ha | t/ha    | kt           | %                                    |
| Wheat  | 600     | 1.50    | 900          | -33                                  |
| Barley | 80      | 1.25    | 100          | -6                                   |

† ABARE forecast.

#### Crop update

- *Wheat* area is estimated to have fallen by 42 per cent in 2001-02, with production forecast to decrease by 33 per cent. Areas that did plant wheat

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are forecast to achieve average yields, given timely spring rain. Plantings in southern Queensland are estimated to have decreased following an absence of planting rains on the Darling Downs.

- **Barley** production in 2001-02 is forecast to be low by historical standards because dry conditions sharply reduced the planted area.
- **Sunflower** area is forecast to increase in 2001-02 because of higher prices and a large amount of land available for planting, following the large reduction in winter crop area in 2000-01.
- **Sorghum** area is forecast to increase in 2001-02 because of current high feed prices, and the large cropping area available for summer crops following the sharp reduction in winter crop plantings in 2000-01.
- Lower world **cotton** prices are likely to be a major contributing factor to an overall reduction in area planted in 2001-02. The area sown to irrigated cotton is forecast to be down 22 per cent, substantially because of uncertainty over water allocations for the season. The area sown to dryland cotton is forecast to be nearly halved, reflecting an expected return to more normal seasonal conditions after a season that was favorable to dryland production.

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### Western Australia

- *Total winter crop production in Western Australia is forecast to increase by 5 per cent to 8.6 million tonnes in 2001-02; however, the crop would be 35 per cent lower than the record 1999-2000 crop.*
- *Crop conditions have improved considerably since July when there were widespread soaking rains across most of the major cropping areas.*
- *Dry conditions in autumn and early winter delayed crop planting in many areas, and in some eastern regions there was insufficient rain to allow producers to plant. The areas most affected by the dry conditions are the central eastern and north eastern regions. The rains in July and August were too late to have a significant impact on crop prospects in these regions.*
- *Crop conditions in the higher rainfall areas along the west coast and the shire of Esperance are favorable, with crops having been planted on time as well as receiving good followup rains during winter. Crop yields in these areas are expected to be average to above average.*
- *Overall, the prevalence of disease in crops has been minimal this year.*

#### Western Australia winter crop, 2001-02

|        | Area    | Yield <sup>f</sup> | Production <sup>f</sup> | Production<br>change from<br>2000-01 |
|--------|---------|--------------------|-------------------------|--------------------------------------|
|        | '000 ha | t/ha               | kt                      | %                                    |
| Wheat  | 3 900   | 1.40               | 5 460                   | -4                                   |
| Barley | 950     | 1.60               | 1 520                   | 31                                   |
| Canola | 400     | 1.10               | 440                     | 26                                   |
| Lupins | 950     | 1.84               | 800                     | 39                                   |

<sup>f</sup> ABARE forecast.

#### Crop update

- *Wheat* production is forecast to decrease by 4 per cent when compared to the previous year, and a considerable 39 per cent from the record 1999-2000 crop. While areas in the eastern wheat belt have fared badly, the Esperance

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and Geraldton regions are having good seasons and are on track for above average yields.

- Given that *barley* and *canola* are generally planted in higher rainfall areas, yields for these crops have been less affected by the adverse seasonal conditions, than for *wheat* and *lupins*.
- Despite the dry conditions, the *barley* area is estimated to have increased by 4 per cent, the second consecutive year that the planted area has risen.
- *Canola* production is forecast to reach 440 000 tonnes, 26 per cent more than the previous year but 56 per cent below the record in 1999-2000. Assuming average seasonal conditions from now to harvest, canola yields are forecast to reach 1.1 tonnes per hectare.
- While the *lupin* crop suffered from dry conditions early in the year, rain in July and assumed average falls over the remainder of the season are forecast to result in the 2001-02 crop reaching 800 000 tonnes, 39 per cent larger than the drought affected 2000-01 crop.



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### *South Australia*

- *While planting rains came late in South Australia, the vast majority of farmers completed their cropping program. Attractive wheat and barley prices at planting resulted in the total winter crop area being the second largest on record.*
- *Below average rainfall in July and August on the Eyre Peninsula, the Upper North and the Mallee have reduced subsoil moisture and mean that timely spring rain will be critical to crop development and yield potential.*
- *While disease and pest pressures have been low compared with the previous year, there have been widespread reports of lucerne flea, net blotch in barley crops, and yellow leaf spot in wheat, especially in areas where wheat stubble has been retained from the previous year's crop.*
- *The late break to the season and reduced price prospects at planting resulted in a reduction in canola plantings and an increase in the cereal area. However, the area sown to spring grown canola in the south east of the state is estimated to increase following recent increases in canola prices combined with adequate rain and subsoil moisture.*

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#### *South Australia winter crop, 2001-02*

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|        | Area    | Yield f | Production f | Production<br>change from<br>2000-01 |
|--------|---------|---------|--------------|--------------------------------------|
|        | '000 ha | t/ha    | kt           | %                                    |
| Wheat  | 2 100   | 1.90    | 3 990        | -5                                   |
| Barley | 965     | 2.03    | 1 959        | -10                                  |
| Canola | 130     | 1.40    | 182          | -13                                  |

f ABARE forecast.

#### *Crop update*

- The area planted to *wheat* is estimated at a record 2.1 million hectares in 2001-02, up 5 per cent from last year's crop. The major increase in planted area occurred on the Eyre Peninsula where area increased by around 10 per cent compared with the previous year. While disease pressure is currently

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low, the increase in wheat on wheat rotations may result in minor yield reductions. If below average rain is received in spring, then plants will be weakened and more prone to disease.

- The *barley* area is estimated to have increased by over 4 per cent to 965 000 hectares in 2001-02. The major increase in planting occurred on the Eyre Peninsula where the area sown is estimated to have increased by close to 15 per cent. The proportion of the barley area planted to malting varieties is likely to have remained high given the price premiums for malting barley.
- The late break in the season and relatively poor price prospects at planting have resulted in a reduction in the area planted to *canola* in 2001-02. However, in the south east of the state the area of spring planted canola is expected to increase following the recent increase in prices in conjunction with adequate rainfall and subsoil moisture.

# AUSTRALIAN CROP REPORT

## I Crop production in Australia At 31 August 2001

|              | Area planted        |                 |                  |                 | Yield               |                 |                  |                 | Production          |                 |                  |                 |
|--------------|---------------------|-----------------|------------------|-----------------|---------------------|-----------------|------------------|-----------------|---------------------|-----------------|------------------|-----------------|
|              | Five year average a | 2000-01 current | 2001-02 previous | 2001-02 current | Five year average a | 2000-01 current | 2001-02 previous | 2001-02 current | Five year average a | 2000-01 current | 2001-02 previous | 2001-02 current |
|              | '000 ha             | '000 ha         | '000 ha          | '000 ha         | t/ha                | t/ha            | t/ha             | t/ha            | kt                  | kt              | kt               | kt              |
| Wheat        | 10 950              | 12 079          | 11 876           | 11 176          | 1.93                | 1.75            | 1.83             | 1.80            | 21 259              | 21 168          | 21 710           | 20 072          |
| Barley       | 3 153               | 2 953           | 3 212            | 3 162           | 1.91                | 1.88            | 1.87             | 1.87            | 6 004               | 5 556           | 6 017            | 5 923           |
| Oats b       | 924                 | 750             | 779              | 799             | 1.77                | 1.72            | 1.78             | 1.77            | 1 616               | 1 292           | 1 388            | 1 416           |
| Triticale    | 336                 | 279             | 285              | 284             | 1.95                | 2.15            | 1.96             | 2.04            | 649                 | 601             | 560              | 578             |
| Sorghum b    | 606                 | 591             | 586              | 771             | 2.69                | 2.63            | 2.77             | 2.74            | 1 621               | 1 553           | 1 623            | 2 115           |
| Maize        | 66                  | 75              | 68               | 87              | 5.28                | 4.73            | 5.34             | 5.05            | 348                 | 355             | 363              | 439             |
| Canola       | 929                 | 1 315           | 1 211            | 1 151           | 1.37                | 1.26            | 1.30             | 1.40            | 1 231               | 1 661           | 1 575            | 1 609           |
| Sunflower    | 120                 | 69              | 68               | 105             | 1.08                | 1.00            | 1.09             | 1.10            | 133                 | 70              | 74               | 116             |
| Cottonseed c | 436                 | 504             | 491              | 433             | 2.26                | 2.11            | 2.12             | 2.21            | 959                 | 1 062           | 1 040            | 957             |
| - lint       |                     |                 |                  |                 | 1.45                | 1.49            | 1.50             | 1.56            | 630                 | 751             | 735              | 677             |
| Rice d       | 149                 | 186             | 152              | 167             | 8.31                | 9.45            | 8.59             | 8.59            | 1 232               | 1 760           | 1 306            | 1 435           |
| Lupins e     | 1 356               | 1 161           | 1 115            | 1 107           | 1.23                | 0.69            | 1.08             | 1.08            | 1 666               | 800             | 1 207            | 1 194           |
| Field peas e | 355                 | 312             | 332              | 277             | 1.10                | 1.29            | 1.12             | 1.25            | 391                 | 401             | 372              | 345             |
| Chickpeas e  | 249                 | 233             | 202              | 161             | 0.95                | 0.63            | 0.64             | 1.03            | 230                 | 146             | 128              | 166             |
| Faba beans e | 119                 | 178             | 185              | 170             | 1.43                | 1.42            | 1.22             | 1.38            | 164                 | 253             | 225              | 235             |
| Lentils e    | 45                  | 117             | 138              | 138             | 1.38                | 1.39            | 1.41             | 1.41            | 46                  | 163             | 195              | 195             |

a Based on data from ABS, *Principal Agricultural Commodities*, cat. no. 7111.0; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0; and ABARE estimates. b Area harvested for grain. c Cottonseed area is estimated harvested area. d Source: Rice Growers Cooperative Limited. e Source: Pulse Australia for 2001-02; ABARE for previous years. Note: Previous estimates are from the previous issue of the *Australian Crop Report*. The crop year refers to crops planted during the twelve months to 31 March. Winter crops are generally both sown and harvested within the nominated twelve month period. Slight discrepancies may appear between table 1 and tables 2 and 3 as a result of the inclusion of the Australian Capital Territory and Northern Territory in the Australian totals. Area and production estimates are from the sources detailed in footnotes to tables 2 and 3. Coverage is for all farms with an estimated value of agricultural operations of more than \$5000.

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## 2 State production – principal crops At 31 August 2001

|   | New South Wales |             | Victoria        |             | Queensland      |             | Western Australia |             | South Australia |             | Tasmania        |             |
|---|-----------------|-------------|-----------------|-------------|-----------------|-------------|-------------------|-------------|-----------------|-------------|-----------------|-------------|
|   | Area<br>'000 ha | Prod.<br>kt | Area<br>'000 ha | Prod.<br>kt | Area<br>'000 ha | Prod.<br>kt | Area<br>'000 ha   | Prod.<br>kt | Area<br>'000 ha | Prod.<br>kt | Area<br>'000 ha | Prod.<br>kt |
| <b>Wheat</b>                            |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2001-02 – current ABARE estimate        | 3 400           | 7 200       | 1 170           | 2 500       | 600             | 900         | 3 900             | 5 460       | 2 100           | 3 990       | 6               | 20          |
| 2001-02 – previous ABARE estimate       | 3 400           | 6 800       | 1 170           | 2 399       | 1 100           | 1 760       | 4 300             | 7 310       | 1 900           | 3 420       | 6               | 20          |
| 2000-01 – latest ABARE estimate         | 3 548           | 6 700       | 1 200           | 3 200       | 1 027           | 1 350       | 4 327             | 5 700       | 2 000           | 4 200       | 6               | 18          |
| Five year average to 1999-2000 <b>a</b> | 3 027           | 6 879       | 983             | 2 032       | 1 006           | 1 624       | 4 307             | 7 867       | 1 624           | 2 847       | 3               | 10          |
| <b>Barley</b>                           |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2001-02 – current ABARE estimate        | 530             | 1 140       | 625             | 1 175       | 80              | 100         | 950               | 1 520       | 965             | 1 959       | 12              | 29          |
| 2001-02 – previous ABARE estimate       | 500             | 1 035       | 610             | 1 110       | 120             | 216         | 1 000             | 1 774       | 970             | 1 853       | 12              | 29          |
| 2000-01 – latest ABARE estimate         | 420             | 870         | 595             | 1 250       | 91              | 106         | 910               | 1 160       | 925             | 2 140       | 12              | 30          |
| Five year average to 1999-2000 <b>a</b> | 615             | 1 242       | 597             | 1 104       | 155             | 281         | 806               | 1 514       | 966             | 1 832       | 12              | 31          |
| <b>Oats <b>b</b></b>                    |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2000-01 – latest ABARE estimate         | 252             | 458         | 175             | 350         | 13              | 7           | 195               | 320         | 108             | 145         | 7               | 12          |
| Five year average to 1999-2000 <b>a</b> | 347             | 552         | 172             | 364         | 19              | 15          | 270               | 526         | 107             | 145         | 8               | 14          |
| <b>Lupins <b>c</b></b>                  |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2001-02 – current estimate              | 54              | 52          | 26              | 31          | 0               | 0           | 950               | 800         | 63              | 95          | 0               | 0           |
| 2001-02 – previous ABARE estimate       | 54              | 52          | 25              | 30          | 0               | 0           | 950               | 998         | 65              | 87          | 0               | 0           |
| 2000-01 – latest ABARE estimate         | 72              | 95          | 26              | 34          | 0               | 0           | 1 000             | 575         | 63              | 96          | 0               | 0           |
| Five year average to 1999-2000 <b>a</b> | 93              | 138         | 43              | 48          | 0               | 0           | 1 140             | 1 384       | 79              | 96          | 0               | 0           |
| <b>Canola</b>                           |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2001-02 – current ABARE estimate        | 380             | 627         | 240             | 360         | 1               | 0           | 400               | 440         | 130             | 182         | 0               | 0           |
| 2001-02 – previous ABARE estimate       | 420             | 672         | 235             | 376         | 1               | 0           | 425               | 468         | 130             | 182         | 0               | 0           |
| 2000-01 – latest ABARE estimate         | 380             | 700         | 250             | 400         | 1               | 1           | 530               | 350         | 154             | 210         | 0               | 0           |
| Five year average to 1999-2000 <b>a</b> | 302             | 478         | 155             | 208         | 1               | 0           | 380               | 420         | 92              | 124         | 0               | 0           |
| <b>Sorghum</b>                          |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2001-02 – current ABARE estimate        | 220             | 792         | 0               | 0           | 550             | 1 320       | 1                 | 3           | 0               | 0           | 0               | 0           |
| 2001-02 – previous ABARE estimate       | 170             | 612         | 0               | 0           | 415             | 1 008       | 1                 | 3           | 0               | 0           | 0               | 0           |
| 2000-01 – latest ABARE estimate         | 210             | 700         | 0               | 0           | 380             | 850         | 1                 | 3           | 0               | 0           | 0               | 0           |
| Five year average to 1999-2000 <b>a</b> | 165             | 579         | 1               | 3           | 437             | 1 035       | 1                 | 2           | 0               | 0           | 0               | 1           |
| <b>Cottonseed <b>d</b></b>              |                 |             |                 |             |                 |             |                   |             |                 |             |                 |             |
| 2001-02 – current ABARE estimate        | 307             | 697         | 0               | 0           | 126             | 260         | 0                 | 0           | 0               | 0           | 0               | 0           |
| 2001-02 – previous ABARE estimate       | 308             | 664         | 0               | 0           | 168             | 335         | 0                 | 0           | 0               | 0           | 0               | 0           |
| 2000-01 – latest ABARE estimate         | 322             | 710         | 0               | 0           | 182             | 352         | 0                 | 0           | 0               | 0           | 0               | 0           |
| Five year average to 1999-2000 <b>a</b> | 291             | 660         | 0               | 0           | 142             | 299         | 0                 | 0           | 0               | 0           | 0               | 0           |

**a** Based on data from ABS, *Principal Agricultural Commodities*, cat. no. 7111.0; ABS, *Agricultural Commodities, Australia*, cat. no. 7121.0; and ABARE estimates. **b** Area harvested for grain; current season estimates, by state, are no longer produced because of difficulties in obtaining consistent data at the state level. **c** Includes albus lupins. *Source*: Pulse Australia for 2001-02; ABARE for previous years. **d** Cottonseed area is estimated harvested area.  
*Note*: Zero area or production estimates may appear as a result of rounding to the nearest whole number, if production or area estimates are less than 500 tonnes or 500 hectares.

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## 3 State production – other major crops At 31 August 2001

|   | New South Wales |       | Victoria |       | Queensland |       | Western Australia |       | South Australia |       | Tasmania |       |
|---|-----------------|-------|----------|-------|------------|-------|-------------------|-------|-----------------|-------|----------|-------|
|   | Area            | Prod. | Area     | Prod. | Area       | Prod. | Area              | Prod. | Area            | Prod. | Area     | Prod. |
|   | '000 ha         | kt    | '000 ha  | kt    | '000 ha    | kt    | '000 ha           | kt    | '000 ha         | kt    | '000 ha  | kt    |
| <b>Field peas</b>                       |                 |       |          |       |            |       |                   |       |                 |       |          |       |
| 2001-02 – current estimate <b>a</b>     | 26              | 35    | 100      | 127   | 0          | 0     | 40                | 35    | 110             | 147   | 1        | 1     |
| 2001-02 – previous estimate <b>a</b>    | 26              | 31    | 105      | 120   | 0          | 0     | 85                | 75    | 115             | 145   | 1        | 1     |
| 2000-01 – latest ABARE estimate         | 21              | 30    | 111      | 130   | 0          | 0     | 65                | 50    | 114             | 190   | 1        | 1     |
| Five year average to 1999-2000 <b>b</b> | 19              | 22    | 159      | 162   | 1          | 0     | 39                | 35    | 136             | 185   | 1        | 1     |
| <b>Maize</b>                            |                 |       |          |       |            |       |                   |       |                 |       |          |       |
| 2001-02 – current ABARE estimate        | 29              | 228   | 1        | 7     | 55         | 195   | 2                 | 9     | 0               | 0     | 0        | 0     |
| 2001-02 – previous ABARE estimate       | 27              | 212   | 1        | 7     | 38         | 135   | 2                 | 9     | 0               | 0     | 0        | 0     |
| 2000-01 – latest ABARE estimate         | 27              | 195   | 1        | 7     | 45         | 144   | 2                 | 9     | 0               | 0     | 0        | 0     |
| Five year average to 1999-2000 <b>b</b> | 25              | 194   | 1        | 6     | 39         | 142   | 1                 | 3     | 0               | 0     | 0        | 0     |
| <b>Chickpeas</b>                        |                 |       |          |       |            |       |                   |       |                 |       |          |       |
| 2001-02 – current estimate <b>a</b>     | 100             | 100   | 15       | 22    | 30         | 30    | 15                | 13    | 1               | 1     | 0        | 0     |
| 2001-02 – previous estimate <b>a</b>    | 85              | 85    | 10       | 12    | 90         | 70    | 15                | 13    | 2               | 2     | 0        | 0     |
| 2000-01 – latest ABARE estimate         | 90              | 40    | 6        | 9     | 90         | 70    | 45                | 25    | 2               | 2     | 0        | 0     |
| Five year average to 1999-2000 <b>b</b> | 50              | 47    | 104      | 101   | 35         | 28    | 49                | 39    | 12              | 14    | 0        | 0     |
| <b>Sunflowerseed</b>                    |                 |       |          |       |            |       |                   |       |                 |       |          |       |
| 2001-02 – current ABARE estimate        | 40              | 49    | 0        | 0     | 65         | 67    | 0                 | 0     | 0               | 0     | 0        | 0     |
| 2001-02 – previous ABARE estimate       | 22              | 27    | 0        | 0     | 46         | 47    | 0                 | 0     | 0               | 0     | 0        | 0     |
| 2000-01 – latest ABARE estimate         | 22              | 24    | 0        | 0     | 48         | 46    | 0                 | 0     | 0               | 0     | 0        | 0     |
| Five year average to 1999-2000 <b>b</b> | 40              | 50    | 2        | 3     | 77         | 79    | 0                 | 1     | 1               | 1     | 0        | 0     |
| <b>Faba beans</b>                       |                 |       |          |       |            |       |                   |       |                 |       |          |       |
| 2001-02 – current estimate <b>a</b>     | 37              | 40    | 55       | 80    | 0          | 0     | 13                | 10    | 65              | 105   | 0        | 0     |
| 2001-02 – previous estimate <b>a</b>    | 42              | 42    | 60       | 80    | 0          | 0     | 13                | 13    | 70              | 90    | 0        | 0     |
| 2000-01 – latest ABARE estimate         | 45              | 35    | 60       | 80    | 0          | 0     | 13                | 8     | 60              | 130   | 0        | 0     |
| Five year average to 1999-2000 <b>b</b> | 18              | 21    | 37       | 53    | 2          | 2     | 21                | 19    | 40              | 69    | 0        | 0     |
| <b>Lentils</b>                          |                 |       |          |       |            |       |                   |       |                 |       |          |       |
| 2001-02 – current estimate <b>a</b>     | 3               | 3     | 90       | 125   | 0          | 0     | 5                 | 3     | 40              | 55    | 0        | 0     |
| 2001-02 – previous estimate <b>a</b>    | 3               | 3     | 85       | 105   | 0          | 0     | 5                 | 4     | 45              | 55    | 0        | 0     |
| 2000-01 – latest ABARE estimate         | 2               | 3     | 80       | 100   | 0          | 0     | 5                 | 2     | 30              | 58    | 0        | 0     |
| Five year average to 1999-2000 <b>b</b> | 1               | 1     | 37       | 37    | 0          | 0     | 1                 | 1     | 8               | 10    | 0        | 0     |

**a** Source: Pulse Australia for 2001-02; ABARE for previous years. **b** Based on data from ABS, *Principal Agricultural Commodities, Australia*, cat. no. 7121.0 and ABARE estimates.

Note: Zero area or production estimates may appear as a result of rounding to the nearest whole number, if production or area estimates are less than 500 tonnes or 500 hectares.

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## 4 Rainfall comparisons for principal Australian cropping districts

|                              | May      |      |            | June     |      |            | July     |      |            | August   |      |            |
|------------------------------|----------|------|------------|----------|------|------------|----------|------|------------|----------|------|------------|
|                              | Normal a | 2000 | 2001       | Normal a | 2000 | 2001       | Normal a | 2000 | 2001       | Normal a | 2000 | 2001p      |
|                              | mm       | mm   | mm         | mm       | mm   | mm         | mm       | mm   | mm         | mm       | mm   | mm         |
| <b>Queensland</b>            |          |      |            |          |      |            |          |      |            |          |      |            |
| Central Highlands (35)       | 28       | 38   | <b>4</b>   | 28       | 34   | <b>11</b>  | 27       | 7    | <b>2</b>   | 21       | 31   | <b>2</b>   |
| Maranoa (43)                 | 31       | 40   | <b>14</b>  | 31       | 18   | <b>20</b>  | 34       | 6    | <b>7</b>   | 25       | 29   | <b>6</b>   |
| West Darling Downs (42)      | 33       | 31   | <b>21</b>  | 33       | 22   | <b>18</b>  | 35       | 10   | <b>10</b>  | 25       | 12   | <b>10</b>  |
| East Darling Downs (41)      | 41       | 34   | <b>24</b>  | 41       | 24   | <b>9</b>   | 42       | 14   | <b>14</b>  | 31       | 9    | <b>15</b>  |
| Moreton South Coast (40)     | 68       | 66   | <b>37</b>  | 68       | 48   | <b>14</b>  | 57       | 13   | <b>9</b>   | 36       | 15   | <b>10</b>  |
| <b>New South Wales</b>       |          |      |            |          |      |            |          |      |            |          |      |            |
| North West Plains (W) (52)   | 34       | 50   | <b>26</b>  | 34       | 24   | <b>30</b>  | 37       | 20   | <b>6</b>   | 27       | 18   | <b>6</b>   |
| North West Plains (E) (53)   | 40       | 47   | <b>30</b>  | 40       | 20   | <b>26</b>  | 43       | 25   | <b>10</b>  | 33       | 26   | <b>10</b>  |
| North West Slopes (N) (54)   | 42       | 42   | <b>34</b>  | 42       | 11   | <b>20</b>  | 47       | 31   | <b>17</b>  | 38       | 28   | <b>18</b>  |
| North West Slopes (S) (55)   | 50       | 56   | <b>30</b>  | 50       | 18   | <b>20</b>  | 55       | 48   | <b>22</b>  | 46       | 56   | <b>25</b>  |
| Northern Tablelands (N) (56) | 46       | 47   | <b>43</b>  | 46       | 17   | <b>12</b>  | 48       | 35   | <b>30</b>  | 43       | 39   | <b>34</b>  |
| Central West Plains (S) (50) | 38       | 85   | <b>31</b>  | 38       | 19   | <b>52</b>  | 37       | 22   | <b>22</b>  | 37       | 48   | <b>22</b>  |
| Central West Plains (N) (51) | 36       | 86   | <b>22</b>  | 36       | 20   | <b>42</b>  | 35       | 21   | <b>9</b>   | 30       | 27   | <b>9</b>   |
| Central West Slopes (N) (64) | 46       | 93   | <b>26</b>  | 46       | 30   | <b>31</b>  | 48       | 34   | <b>20</b>  | 43       | 47   | <b>20</b>  |
| Central West Slopes (S) (65) | 49       | 77   | <b>35</b>  | 49       | 38   | <b>60</b>  | 49       | 37   | <b>38</b>  | 49       | 77   | <b>36</b>  |
| Central Tablelands (N) (62)  | 47       | 80   | <b>25</b>  | 47       | 34   | <b>28</b>  | 49       | 41   | <b>26</b>  | 48       | 67   | <b>28</b>  |
| Central Tablelands (S) (63)  | 71       | 68   | <b>24</b>  | 71       | 47   | <b>32</b>  | 65       | 45   | <b>54</b>  | 66       | 72   | <b>56</b>  |
| Riverina (W) (75)            | 33       | 55   | <b>15</b>  | 33       | 27   | <b>30</b>  | 31       | 26   | <b>29</b>  | 32       | 39   | <b>28</b>  |
| Riverina (E) (74)            | 44       | 72   | <b>13</b>  | 44       | 42   | <b>36</b>  | 43       | 36   | <b>36</b>  | 45       | 70   | <b>36</b>  |
| South West Slopes (N) (73)   | 54       | 74   | <b>17</b>  | 54       | 47   | <b>68</b>  | 56       | 49   | <b>54</b>  | 56       | 95   | <b>53</b>  |
| South West Slopes (S) (72)   | 80       | 125  | <b>27</b>  | 80       | 71   | <b>92</b>  | 88       | 82   | <b>93</b>  | 90       | 123  | <b>94</b>  |
| Southern Tablelands (GM)(70) | 54       | 58   | <b>15</b>  | 54       | 42   | <b>33</b>  | 50       | 37   | <b>77</b>  | 51       | 59   | <b>74</b>  |
| <b>Victoria</b>              |          |      |            |          |      |            |          |      |            |          |      |            |
| North Mallee (76)            | 28       | 33   | <b>15</b>  | 28       | 20   | <b>39</b>  | 30       | 41   | <b>38</b>  | 31       | 32   | <b>38</b>  |
| South Mallee (77)            | 33       | 36   | <b>14</b>  | 33       | 23   | <b>38</b>  | 35       | 47   | <b>47</b>  | 36       | 29   | <b>47</b>  |
| North Wimmera (78)           | 41       | 35   | <b>14</b>  | 41       | 27   | <b>48</b>  | 44       | 55   | <b>56</b>  | 45       | 31   | <b>56</b>  |
| South Wimmera (79)           | 53       | 52   | <b>18</b>  | 53       | 38   | <b>65</b>  | 59       | 64   | <b>83</b>  | 59       | 43   | <b>83</b>  |
| Lower North (80)             | 41       | 55   | <b>10</b>  | 41       | 32   | <b>31</b>  | 43       | 44   | <b>41</b>  | 44       | 34   | <b>41</b>  |
| Upper North (81)             | 51       | 69   | <b>12</b>  | 51       | 42   | <b>47</b>  | 53       | 64   | <b>55</b>  | 54       | 54   | <b>55</b>  |
| Lower North East (82)        | 83       | 163  | <b>29</b>  | 83       | 95   | <b>117</b> | 90       | 100  | <b>119</b> | 90       | 128  | <b>121</b> |
| Upper North East (83)        | 115      | 149  | <b>34</b>  | 115      | 84   | <b>112</b> | 128      | 90   | <b>132</b> | 133      | 106  | <b>137</b> |
| North Central (88)           | 73       | 105  | <b>18</b>  | 73       | 57   | <b>65</b>  | 80       | 83   | <b>88</b>  | 83       | 67   | <b>90</b>  |
| <b>Western Australia</b>     |          |      |            |          |      |            |          |      |            |          |      |            |
| North Coast (8)              | 81       | 11   | <b>54</b>  | 81       | 35   | <b>17</b>  | 72       | 68   | <b>29</b>  | 53       | 48   | <b>29</b>  |
| Central Coast (9)            | 173      | 31   | <b>107</b> | 173      | 103  | <b>34</b>  | 169      | 190  | <b>85</b>  | 126      | 113  | <b>86</b>  |
| Northern Central (10)        | 62       | 8    | <b>39</b>  | 62       | 28   | <b>9</b>   | 59       | 64   | <b>30</b>  | 46       | 43   | <b>30</b>  |
| South Coast (9A)             | 158      | 45   | <b>96</b>  | 158      | 100  | <b>60</b>  | 160      | 170  | <b>98</b>  | 126      | 114  | <b>99</b>  |
| South Central (10A)          | 71       | 11   | <b>42</b>  | 71       | 46   | <b>17</b>  | 68       | 78   | <b>67</b>  | 55       | 54   | <b>67</b>  |
| South East (12)              | 32       | 2    | <b>34</b>  | 32       | 9    | <b>18</b>  | 26       | 16   | <b>14</b>  | 23       | 22   | <b>15</b>  |
| <b>South Australia</b>       |          |      |            |          |      |            |          |      |            |          |      |            |
| Upper South East (25B)       | 46       | 60   | <b>30</b>  | 46       | 55   | <b>50</b>  | 50       | 56   | <b>66</b>  | 52       | 50   | <b>66</b>  |
| Murray Mallee (25A)          | 30       | 32   | <b>20</b>  | 30       | 30   | <b>32</b>  | 32       | 34   | <b>31</b>  | 33       | 33   | <b>31</b>  |
| Murray River (24)            | 33       | 33   | <b>29</b>  | 33       | 33   | <b>42</b>  | 35       | 38   | <b>38</b>  | 36       | 35   | <b>38</b>  |
| East Central (23)            | 74       | 74   | <b>69</b>  | 74       | 80   | <b>78</b>  | 79       | 79   | <b>84</b>  | 76       | 67   | <b>84</b>  |
| West Central (22)            | 57       | 73   | <b>52</b>  | 57       | 83   | <b>71</b>  | 60       | 81   | <b>65</b>  | 54       | 73   | <b>65</b>  |
| Lower North (21)             | 49       | 53   | <b>40</b>  | 49       | 41   | <b>57</b>  | 53       | 51   | <b>57</b>  | 53       | 55   | <b>57</b>  |
| Upper North (19)             | 34       | 26   | <b>25</b>  | 34       | 18   | <b>67</b>  | 37       | 27   | <b>20</b>  | 37       | 64   | <b>20</b>  |
| Western (18)                 | 43       | 25   | <b>52</b>  | 43       | 28   | <b>55</b>  | 46       | 33   | <b>32</b>  | 42       | 53   | <b>32</b>  |
| <b>Tasmania</b>              |          |      |            |          |      |            |          |      |            |          |      |            |
| Northern (91)                | 104      | 130  | <b>52</b>  | 104      | 95   | <b>139</b> | 126      | 199  | <b>204</b> | 116      | 79   | <b>203</b> |
| Midlands (93)                | 104      | 39   | <b>28</b>  | 104      | 25   | <b>50</b>  | 126      | 98   | <b>90</b>  | 116      | 52   | <b>93</b>  |

a The definition of normal rainfall reflects a simple arithmetic average of rainfall over the period 1913 to 2001. p Preliminary.

Note: Numbers in parentheses indicate meteorological districts (see map on page iv).

Source: Bureau of Meteorology monthly district rainfall reports (various issues).

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### 5 Supply and disposal of Australian wheat, oilseeds and pulses <sup>a</sup>

|                                    | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 <sup>p</sup> | 2001-02 <sup>f</sup> |
|------------------------------------|---------|---------|---------|---------|----------------------|----------------------|
|                                    | kt      | kt      | kt      | kt      | kt                   | kt                   |
| <b>Wheat</b>                       |         |         |         |         |                      |                      |
| Production                         | 23 702  | 19 224  | 22 108  | 24 757  | 21 168               | 20 072               |
| Domestic use                       | 3 512   | 5 012   | 5 285   | 5 291   | 5 203                | 5 188                |
| – human and industrial             | 2 122   | 2 174   | 2 184   | 2 181   | 2 206                | 2 229                |
| – feed <sup>b</sup>                | 904     | 2 385   | 2 341   | 2 830   | 2 900                | 2 400                |
| – seed                             | 486     | 521     | 538     | 544     | 534                  | 557                  |
| Net exports                        | 19 189  | 15 679  | 16 391  | 17 782  | 16 258               | 16 000               |
| Change in stocks                   | 1 001   | -1 467  | 433     | 1 685   | -293                 | -1 116               |
| <b>Canola</b>                      |         |         |         |         |                      |                      |
| Production                         | 624     | 856     | 1 690   | 2 426   | 1 661                | 1 609                |
| Domestic use                       | 254     | 322     | 355     | 370     | 387                  | 408                  |
| – crushers                         | 251     | 315     | 345     | 363     | 381                  | 401                  |
| – seed                             | 3       | 6       | 10      | 7       | 6                    | 7                    |
| Exports                            | 330     | 555     | 1 355   | 2 033   | 1 296                | 1 201                |
| <b>Canola meal</b>                 |         |         |         |         |                      |                      |
| Production                         | 137     | 178     | 193     | 203     | 214                  | 224                  |
| Domestic use                       | 137     | 178     | 193     | 201     | 213                  | 224                  |
| Exports                            | 0       | 0       | 0       | 2       | 1                    | 1                    |
| <b>Canola oil</b>                  |         |         |         |         |                      |                      |
| Production                         | 106     | 128     | 142     | 149     | 156                  | 164                  |
| Domestic use                       | 93      | 92      | 94      | 110     | 99                   | 103                  |
| Exports                            | 15      | 38      | 50      | 41      | 59                   | 63                   |
| <b>Pulses – major crops</b>        |         |         |         |         |                      |                      |
| Production                         |         |         |         |         |                      |                      |
| Lupins                             | 1 523   | 1 561   | 1 696   | 1 990   | 800                  | 1 194                |
| Field peas                         | 454     | 316     | 298     | 357     | 401                  | 345                  |
| Chickpeas                          | 288     | 199     | 188     | 187     | 146                  | 166                  |
| Apparent domestic use <sup>b</sup> |         |         |         |         |                      |                      |
| Lupins                             | 618     | 600     | 643     | 584     | 400                  | 413                  |
| Field peas                         | 149     | 132     | 31      | 91      | 127                  | 130                  |
| Chickpeas                          | 0       | 34      | 28      | 27      | 24                   | 24                   |
| Exports                            |         |         |         |         |                      |                      |
| Lupins                             | 905     | 961     | 1 053   | 1 406   | 446                  | 781                  |
| Field peas                         | 304     | 184     | 267     | 267     | 274                  | 215                  |
| Chickpeas                          | 369     | 200     | 120     | 220     | 172                  | 105                  |

<sup>a</sup> Wheat and legume export figures are for winter crop years defined as follows: October–September for wheat; November–October for canola (seed and products), peas and lupins. Production may not equal the sum of apparent domestic use and exports in any one year due to reductions or increases in stock levels. <sup>b</sup> Calculated as a residual: production less exports less other domestic uses less change in stocks. <sup>f</sup> ABARE forecast. <sup>p</sup> Preliminary. <sup>s</sup> ABARE estimate.

*Note:* The export data refer to market year export periods, so are not comparable with financial year export figures published elsewhere. *Sources:* Australian Bureau of Statistics; ABARE.

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### 6 Supply and disposal of Australian coarse grains <sup>a</sup>

|                               | 1996-97 | 1997-98 | 1998-99 | 1999-00 | 2000-01 <sup>p</sup> | 2001-02 <sup>f</sup> |
|-------------------------------|---------|---------|---------|---------|----------------------|----------------------|
|                               | kt      | kt      | kt      | kt      | kt                   | kt                   |
| <b>Barley</b>                 |         |         |         |         |                      |                      |
| Production                    | 6 696   | 6 482   | 5 987   | 5 032   | 5 556                | 5 923                |
| Domestic use                  | 2 212   | 2 090   | 2 155   | 1 787   | 1 870                | 1 987                |
| – as malt and other human use | 144     | 148     | 151     | 154     | 158                  | 161                  |
| – feed                        | 1 910   | 1 800   | 1 890   | 1 500   | 1 570                | 1 700                |
| – seed                        | 158     | 143     | 115     | 133     | 142                  | 126                  |
| Export                        | 4 331   | 3 463   | 4 765   | 3 325   | 3 810                | 3 977                |
| – feed barley                 | 1 957   | 2 025   | 2 607   | 1 524   | 1 794                | 1 884                |
| – malting barley              | 1 928   | 982     | 1 635   | 1 234   | 1 419                | 1 490                |
| – malt (grain equivalent)     | 447     | 457     | 525     | 569     | 597                  | 603                  |
| <b>Oats</b>                   |         |         |         |         |                      |                      |
| Production                    | 1 653   | 1 634   | 1 798   | 1 118   | 1 292                | 1 416                |
| Domestic use                  | 1 503   | 1 481   | 1 550   | 983     | 1 197                | 1 318                |
| – human                       | 110     | 113     | 116     | 119     | 122                  | 125                  |
| – feed                        | 1 348   | 1 324   | 1 394   | 828     | 1 037                | 1 158                |
| – seed                        | 45      | 44      | 40      | 36      | 38                   | 35                   |
| Export                        | 150     | 154     | 248     | 135     | 95                   | 104                  |
| <b>Triticale <sup>b</sup></b> |         |         |         |         |                      |                      |
| Production                    | 674     | 633     | 708     | 764     | 601                  | 578                  |
| Domestic use                  | 674     | 633     | 708     | 764     | 601                  | 578                  |
| – feed                        | 656     | 620     | 695     | 750     | 587                  | 564                  |
| – seed                        | 18      | 13      | 13      | 14      | 14                   | 14                   |
| <b>Sorghum</b>                |         |         |         |         |                      |                      |
| Production                    | 1 425   | 1 081   | 1 891   | 2 116   | 1 553                | 2 115                |
| Domestic use                  | 1 194   | 897     | 1 399   | 1 452   | 1 048                | 1 595                |
| – feed                        | 1 192   | 894     | 1 396   | 1 449   | 1 044                | 1 592                |
| – seed                        | 3       | 3       | 3       | 3       | 4                    | 3                    |
| Export                        | 231     | 184     | 493     | 665     | 505                  | 520                  |
| <b>Maize</b>                  |         |         |         |         |                      |                      |
| Production                    | 398     | 271     | 338     | 406     | 355                  | 439                  |
| Domestic use                  | 390     | 252     | 302     | 353     | 305                  | 384                  |
| – human, industrial           | 94      | 96      | 94      | 96      | 99                   | 101                  |
| – feed                        | 295     | 155     | 207     | 256     | 205                  | 282                  |
| – seed                        | 1       | 1       | 1       | 1       | 1                    | 1                    |
| Export                        | 9       | 19      | 36      | 53      | 51                   | 55                   |
| <b>Total coarse grains</b>    |         |         |         |         |                      |                      |
| Production                    | 10 846  | 10 101  | 10 722  | 9 436   | 9 357                | 10 471               |
| Domestic use                  | 5 974   | 5 353   | 6 114   | 5 339   | 5 021                | 5 862                |
| – human, industrial           | 348     | 357     | 361     | 369     | 378                  | 387                  |
| – feed                        | 5 400   | 4 793   | 5 582   | 4 782   | 4 443                | 5 295                |
| – seed                        | 225     | 203     | 171     | 187     | 200                  | 179                  |
| Export                        | 4 721   | 3 820   | 5 542   | 4 178   | 4 461                | 4 656                |

<sup>a</sup> Market years are November–October for barley, oats and triticale, and March–February for sorghum and maize. This means that the 1999-00 barley crop harvested in November 1999 to January 2000 is marketed from November 1999 to October 2000. The 1999-00 sorghum crop harvested in March to May 2000 is marketed from March 2000 to February 2001. The sum of domestic use and exports may differ from production as a result of changes in grain stock levels. <sup>b</sup> Excludes small quantities of triticale for export. <sup>f</sup> ABARE forecast. <sup>p</sup> Preliminary. <sup>s</sup> ABARE estimate.

Sources: Australian Bureau of Statistics; ABARE.



## AUSTRALIAN CROP REPORT

### 7 Australian grain prices <sup>a</sup>

|   | 2000             |                  |                  |                  | 2001             |                  |                               |
|---|------------------|------------------|------------------|------------------|------------------|------------------|-------------------------------|
|   | Jan-Mar<br>A\$/t | Apr-Jun<br>A\$/t | Jul-Sep<br>A\$/t | Oct-Dec<br>A\$/t | Jan-Mar<br>A\$/t | Apr-Jun<br>A\$/t | Jul-Aug <sup>p</sup><br>A\$/t |
| <b>Wheat</b>                                  |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| Feed – Sydney                                 | 150              | 157              | 162              | 204              | 172              | 180              | 204                           |
| Export  |                  |                  |                  |                  |                  |                  |                               |
| Australian standard white <b>b</b>            | 211              | 231              | 244              | 300              | 299              | 303              | 299                           |
| International                                 |                  |                  |                  |                  |                  |                  |                               |
| US no.2 hard red winter,<br>fob Gulf <b>b</b> | 177              | 196              | 205              | 245              | 247              | 258              | 254                           |
| <b>Barley</b>                                 |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| 2 row feed – Sydney                           | 143              | 153              | 162              | 167              | 179              | 186              | 192                           |
| Export <b>c</b>                               |                  |                  |                  |                  |                  |                  |                               |
| Feed (bulk)                                   | 181              | 196              | 202              | 212              | na               | na               | na                            |
| Malting (bulk)                                | 264              | 262              | 260              | 250              | na               | na               | na                            |
| International                                 |                  |                  |                  |                  |                  |                  |                               |
| Feed – US no. 2 fob Portland <b>b</b>         | 169              | 182              | 180              | 209              | 219              | 217              | 211                           |
| <b>Sorghum</b>                                |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| Feed – Sydney                                 | 127              | 135              | 139              | 168              | 168              | 172              | 182                           |
| Export <b>c</b>                               |                  |                  |                  |                  |                  |                  |                               |
| US del. Gulf <b>b</b>                         | 153              | 156              | 136              | 180              | 191              | 183              | 182                           |
| <b>Oats</b>                                   |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| Feed – Sydney                                 | 105              | 117              | 120              | 124              | 144              | 151              | 170                           |
| Export <b>c</b>                               |                  |                  |                  |                  |                  |                  |                               |
| US heavy white, del. Portland <b>b</b>        | 209              | 246              | 253              | 230              | 245              | 291              | 229                           |
| International                                 |                  |                  |                  |                  |                  |                  |                               |
| US no.2 fob Gulf <b>b</b>                     | 170              | 181              | 178              | 185              | 195              | 214              | 211                           |
| <b>Maize</b>                                  |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| Feed – Sydney                                 | 164              | 170              | 179              | 189              | 187              | 185              | 198                           |
| International                                 |                  |                  |                  |                  |                  |                  |                               |
| US no.2 fob Gulf <b>b</b>                     | 151              | 156              | 134              | 167              | 177              | 167              | 176                           |
| <b>Oilseeds</b>                               |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| Canola – del. Melbourne                       | 280              | 287              | 287              | 314              | 362              | 381              | 435                           |
| Sunflower – del. Melbourne                    | 228              | 293              | 360              | 290              | 300              | 290              | 305                           |
| Soybeans – US cif Rotterdam <b>b</b>          | 340              | 378              | 350              | 392              | 379              | 361              | 350                           |
| <b>Pulses</b>                                 |                  |                  |                  |                  |                  |                  |                               |
| Domestic                                      |                  |                  |                  |                  |                  |                  |                               |
| Lupins – del. Perth                           | 139              | 141              | 148              | 169              | 193              | 177              | 178                           |
| Field peas – del. Melbourne                   | 210              | 212              | 205              | 216              | 229              | 217              | 244                           |
| Chickpeas – del. Melbourne                    | 348              | 390              | 410              | 421              | 464              | 387              | 525                           |
| Export <b>c</b>                               |                  |                  |                  |                  |                  |                  |                               |
| Chickpeas                                     | 442              | 488              | 502              | 521              | 509              | 622              | 609                           |
| Field peas                                    | 274              | 305              | 285              | 283              | 311              | 335              | 333                           |

**a** Prices refer to bulk sales of grain delivered to Sydney region. Export prices for coarse grains are the average unit fob value of Australian exports recorded by the Australian Bureau of Statistics. Prices quoted only for months in which sizable export volumes were recorded. International prices are obtained from the Unicom Newswire service in US\$ and converted to A\$ using monthly average of daily exchange rates. **b** Average of daily offer prices made in US\$, converted to A\$ using monthly average of daily exchange rates. **c** Export unit values do not reflect current market prices but the average price received for grain exported over the quarter. Generally, there can be a long lag time between when prices were negotiated by exporters and the physical export of product. **na** Not available. **p** Preliminary.

*Note:* Prices used in these calculations exclude the GST.