

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, AUSTRALIA

STATISTICAL BULLETIN : RURAL LAND USE AND CROP PRODUCTION, AUSTRALIA

NO. 17 : SEASON 1959-60

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## FOREWORD

This Bulletin presents an account of land utilization and agricultural activity on rural holdings in Australia during the season 1959-60, and, wherever possible, provides comparisons with previous seasons.

Statistics shown herein include data relating to the number, area and manner of utilization of rural holdings, together with details of area, production and average yield of individual crops. Details of vegetables other than onions and potatoes and of fruit other than grapes are not included. A Bulletin relating to fruit growing is in the course of compilation.

Particulars of imports and exports of the principal items of Australian agricultural produce are included, also tables showing details of the use of artificial fertilizers, area of land under irrigated culture and aerial agricultural operations.

Statistics of areas and production of crops relate, in the main, to crops sown during the year ended 31st March. In the case of perennial crops, the statistics relate to the position as at 31st March and production during the year ended on that date.

The statistics are derived from annual census returns supplied by approximately 250,000 farmers who utilize one acre or more for agricultural or pastoral purposes. These returns have been collected by the Statisticians of each State and Territory.

It should be noted that, in this issue of the Bulletin, areas of lucerne and oats for grazing in Victoria and of lucerne for grazing in South Australia have been included with crops and excluded from sown grasses and clovers. These areas are now being treated uniformly as crops throughout the Commonwealth. Figures published in previous issues of this Bulletin, in which these areas were treated as sown grasses and clovers, have been amended in this issue.

Figures herein for the 1959-60 season are preliminary and subject to revision.

S.R. CARVER  
COMMONWEALTH STATISTICIAN

I. NUMBER AND AREA OF RURAL HOLDINGS

The following table sets out details of the number and area of rural holdings in each State of Australia, for the years 1957-58 to 1959-60.

A "rural holding" in Australia is defined for the purpose of these statistics as a piece of land of 1 acre or more in extent used for the production of agricultural products (including fruit and vegetables), or for the raising of livestock (including poultry and bees) and the marketing of live-stock products. In cases where land owners or occupiers possess or work more than one holding, separate returns are required for each, except where the holdings are in close proximity and are worked as one.

TABLE 1 : NUMBER AND AREA OF RURAL HOLDINGS

| Holdings                | Year    | N.S.W.  | Vic.   | Q'ld.   | S.A.    | W.A.    | Tas.   | N.T.    | A.C.T. | Australia |
|-------------------------|---------|---------|--------|---------|---------|---------|--------|---------|--------|-----------|
| Number                  | 1957-58 | 78,120  | 69,590 | 43,457  | 27,971  | 21,593  | 11,389 | 230     | 225    | 252,575   |
|                         | 1958-59 | 77,857  | 69,770 | 43,290  | 28,105  | 21,563  | 11,374 | 243     | 221    | 252,423   |
|                         | 1959-60 | 77,499  | 69,778 | 42,912  | 28,527  | 21,832  | 11,202 | 271     | 224    | 252,245   |
| Area<br>('000<br>Acres) | 1957-58 | 173,278 | 37,822 | 368,833 | 152,045 | 236,667 | 6,547  | 167,210 | 392    | 1,142,794 |
|                         | 1958-59 | 172,978 | 37,755 | 370,240 | 152,312 | 238,264 | 6,573  | 156,897 | 381    | 1,135,400 |
|                         | 1959-60 | 172,721 | 37,735 | 371,373 | 155,437 | 244,619 | 6,512  | 158,804 | 382    | 1,147,583 |

II. LAND USE STATISTICS : RURAL HOLDINGS

Preliminary details of the utilization of land on rural holdings for each State for the 1959-60 season are furnished in Table 2 following.

TABLE 2 : LAND UTILIZATION ON RURAL HOLDINGS : 1959-60

('000 acres)

| Particulars                                          | N.S.W.  | Vic.   | Q'ld.   | S.A.    | W.A.    | Tas.  | N.T.    | A.C.T. | Australia |
|------------------------------------------------------|---------|--------|---------|---------|---------|-------|---------|--------|-----------|
| Area used for crops (a)                              | 6,936   | 4,267  | 2,862   | 4,356   | 6,382   | 213   | 2       | 5      | 25,023    |
| Land lying fallow (excl. short or summer fallow)     | 1,686   | 2,180  | 439     | 726     | 1,921   | 73    | -       | -      | 7,025     |
| Area under sown Grasses and Clovers (incl. Paspalum) | 9,143   | 9,949  | 2,114   | 3,319   | 7,358   | 1,336 | 2       | 68     | 33,289    |
| Balance of Holdings (b)                              | 154,956 | 21,339 | 365,958 | 147,036 | 228,958 | 4,890 | 158,800 | 309    | 1,082,246 |
| <u>TOTAL AREA OF HOLDINGS:</u>                       | 172,721 | 37,735 | 371,373 | 155,437 | 244,619 | 6,512 | 158,804 | 382    | 1,147,583 |

(a) Excludes duplication on account of area double cropped and excludes clovers and grasses cut for hay and seed. The latter have been included in area under sown grasses and clovers.

(b) Used for grazing, lying idle, etc.

4483  
4267

216 ✓

9949  
9732  
216

The following table shows the total area of all crops for the years 1955-56 to 1959-60. These figures include the double counting of areas on which two or more crops were grown in the same season, and include areas of clovers and grasses out for hay and seed. They are therefore not comparable with the "areas used for crops" shown for 1959-60 in Table 2.

The total area of all crops during 1959-60 amounted to 26,103,000 acres compared with 25,631,000 acres for 1958-59, an increase of 472,000 acres or 1.8 per cent. Substantial increases recorded for New South Wales (317,000 acres or 4.6 per cent.) and Western Australia (360,000 acres or 5.9 per cent.) were partially offset by a decrease of 225,000 acres or 4.5 per cent. in Victoria.

TABLE 3 : TOTAL AREA OF ALL CROPS

('000 acres)

| Year    | N.S.W. | Vic.(a) | Q'ld. | S.A.(a) | W.A.  | Tas. | N.T. | A.C.T. | Aust.(a) |
|---------|--------|---------|-------|---------|-------|------|------|--------|----------|
| 1955-56 | 5,660  | 4,812   | 2,604 | 4,220   | 5,343 | 326  | 1    | 7      | 22,973   |
| 1956-57 | 3,789  | 3,904   | 2,469 | 4,273   | 5,232 | 289  | 1    | 5      | 19,962   |
| 1957-58 | 5,000  | 4,431   | 2,600 | 4,233   | 5,615 | 292  | 1    | 5      | 22,177   |
| 1958-59 | 6,820  | 5,040   | 2,852 | 4,436   | 6,135 | 339  | 1    | 8      | 25,631   |
| 1959-60 | 7,137  | 4,815   | 2,926 | 4,400   | 6,495 | 322  | 1    | 7      | 26,103   |

(a) See Foreword regarding change in basis of recording area.

Figures available for areas lying fallow (excluding short or summer fallow) in comparison with areas under cereals for grain, are shown in Table 4 for the years 1955-56 to 1959-60.

Details of the area of land under fallow were collected in all States for 1957-58 to 1959-60 but prior to 1957-58 details for New South Wales were collected at triennial intervals only. Compared with 1958-59 the area under fallow in 1959-60 for Australia as a whole decreased by 5 per cent. All States except Queensland and Tasmania contributed to this decline. The decrease in New South Wales was 4 per cent., in South Australia, 24 per cent. and in Western Australia 3 per cent.

The total area fallowed in 1959-60 for Australia at a whole was 39 per cent. of the areas sown for grain, compared with 43 per cent. in the previous year.

TABLE 4 : AREA OF LAND LYING FALLOW AS COMPARED

WITH AREA UNDER CEREALS FOR GRAIN

| Season | N.S.W. | Vic. | Q'ld. | S.A. | W.A. | Tas. | N.T. | A.C.T. | Australia |
|--------|--------|------|-------|------|------|------|------|--------|-----------|
|--------|--------|------|-------|------|------|------|------|--------|-----------|

## AREA LYING FALLOW

(Acres)

|         |           |           |         |           |           |        |   |       |           |
|---------|-----------|-----------|---------|-----------|-----------|--------|---|-------|-----------|
| 1955-56 | 1,250,567 | 1,982,742 | 348,971 | 1,075,839 | 1,711,361 | 74,945 | - | 805   | 6,445,230 |
| 1956-57 | (a)       | 1,879,812 | 491,796 | 909,121   | 1,682,291 | 69,236 | - | 1,276 | (a)       |
| 1957-58 | 1,539,417 | 1,644,764 | 495,832 | 752,622   | 1,459,894 | 68,019 | - | 324   | 5,961,772 |
| 1958-59 | 1,757,719 | 2,187,212 | 418,906 | 954,072   | 1,988,440 | 72,399 | - | 693   | 7,379,441 |
| 1959-60 | 1,685,572 | 2,180,264 | 439,314 | 725,713   | 1,921,417 | 72,802 | - | 362   | 7,025,400 |

## AREA UNDER CEREALS FOR GRAIN

(Acres)

|         |           |           |           |           |           |        |     |       |            |
|---------|-----------|-----------|-----------|-----------|-----------|--------|-----|-------|------------|
| 1955-56 | 4,017,698 | 3,346,061 | 1,076,874 | 3,113,285 | 4,324,144 | 42,082 | 53  | 1,060 | 15,921,257 |
| 1956-57 | 2,348,813 | 2,545,742 | 880,807   | 3,129,089 | 4,164,899 | 27,725 | 309 | 209   | 13,097,593 |
| 1957-58 | 3,197,242 | 2,831,956 | 1,003,678 | 3,009,385 | 4,427,059 | 35,443 | 377 | 588   | 14,505,728 |
| 1958-59 | 4,569,608 | 3,176,469 | 1,397,331 | 3,278,114 | 4,953,680 | 38,123 | 159 | 2,466 | 17,415,950 |
| 1959-60 | 4,791,707 | 3,239,393 | 1,382,260 | 3,382,348 | 5,389,368 | 43,168 | 264 | 1,980 | 18,230,458 |

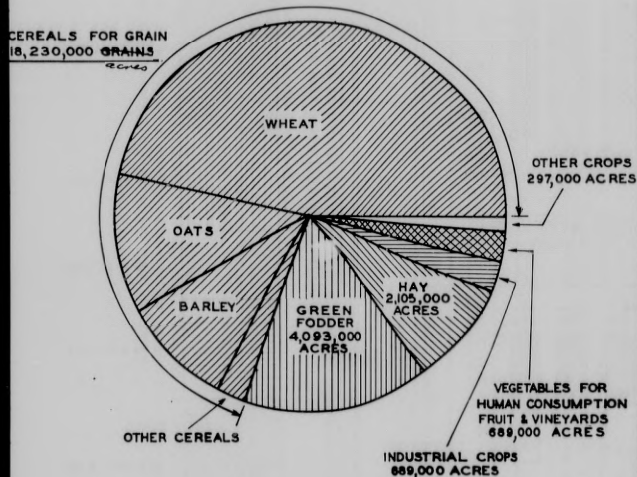
## AREA OF LAND LYING FALLOW AS PROPORTION OF AREA UNDER CEREALS FOR GRAIN

(Per cent.)

|         |       |       |       |       |       |     |   |       |       |
|---------|-------|-------|-------|-------|-------|-----|---|-------|-------|
| 1955-56 | 31.13 | 59.26 | 32.41 | 34.56 | 39.58 | (b) | - | 75.94 | 40.48 |
| 1956-57 | (a)   | 73.84 | 55.83 | 29.05 | 40.39 | (b) | - | (b)   | (a)   |
| 1957-58 | 48.15 | 58.08 | 49.40 | 25.01 | 32.98 | (b) | - | 55.10 | 41.10 |
| 1958-59 | 38.47 | 68.86 | 29.98 | 29.10 | 40.14 | (b) | - | 28.10 | 42.37 |
| 1959-60 | 35.18 | 67.30 | 31.78 | 21.46 | 35.65 | (b) | - | 18.28 | 38.54 |

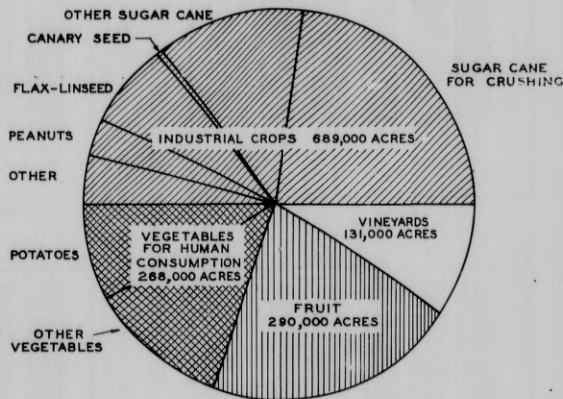
(a) Not available. (b) Area in fallow exceeds that sown to cereals for grain.

# AREA OF ALL CROPS : AUSTRALIA 1959-60



TOTAL AREA 26,103,000 ACRES

# AREA OF INDUSTRIAL CROPS, VEGETABLES FOR HUMAN CONSUMPTION, FRUIT AND VINEYARDS AUSTRALIA, 1959-60



TOTAL AREA 1,378,000 ACRES

# AREA OF ALL CROPS STATES, 1959-60

TAS. 1.2 %

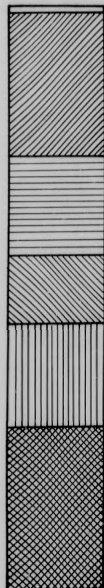
W.A. 24.9 %

S.A. 16.6 %

QLD. 11.4 %

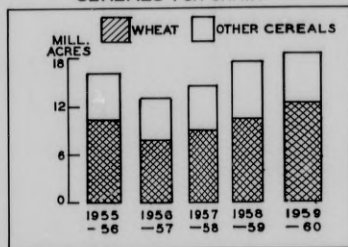
VIC. 18.4 %

N.S.W. 27.3 %

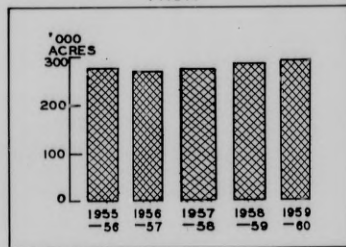


## AREA OF SELECTED CROPS : AUSTRALIA 1955-56 TO 1959-60.

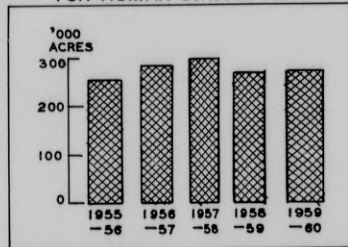
### CEREALS FOR GRAIN



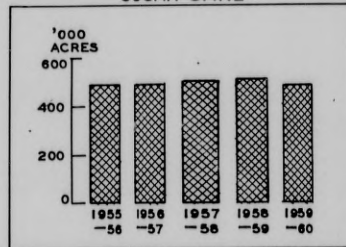
### FRUIT



### VEGETABLES FOR HUMAN CONSUMPTION



### SUGAR CANE



The next table sets out, by States, particulars of the areas under sown grasses and clovers for the years 1955-56 to 1959-60.

Total area for Australia in 1959-60 decreased by 0.9 per cent. over the previous year but was 0.6 per cent. higher than in 1957-58. Compared with the previous year decreases occurred in Victoria (130,000 acres or 1.3 per cent.) and South Australia (760,000 acres or 18.6 per cent.). The most substantial increase occurred in Western Australia (398,000 acres or 5.7 per cent.).

TABLE 5 : AREA UNDER SOWN GRASSES AND CLOVERS

(Acres)

| Year    | N.S.W.    | Vic.(ab)   | Q'ld.     | S.A.(b)   | W.A.      | Tas.      | A.C.T.    | Australia(b) |
|---------|-----------|------------|-----------|-----------|-----------|-----------|-----------|--------------|
| 1955-56 | 7,711,511 | 8,981,247  | 1,882,596 | 2,718,053 | 5,384,321 | 1,114,759 | 51,871    | 27,844,358   |
| 1956-57 | 9,040,075 | 9,648,313  | 1,952,562 | 4,098,229 | 6,055,737 | 1,172,145 | 57,395    | 32,024,456   |
| 1957-58 | 9,238,420 | 9,973,113  | 2,009,667 | 4,104,487 | 6,425,664 | 1,233,862 | 61,795    | 33,047,008   |
| 1958-59 | 8,980,187 | 10,078,768 | 2,096,319 | 4,079,116 | 6,960,243 | 1,295,139 | 66,386    | 33,556,158   |
| 1959-60 | 9,142,982 | 9,948,946  | 2,113,989 | 3,318,718 | 7,358,662 | 1,335,840 | 67,736(c) | 33,288,545   |

(a) Includes native grasses cut for hay. (b) See Foreword regarding change in basis of recording area. (c) Includes Northern Territory, 1,672 acres.

### III. STATISTICS OF CROP AREAS, PRODUCTION, OVERSEA TRADE, ETC.

In general, the agricultural year ended March, 1960, was less suited to crop growth than the previous year when high yields were recorded for most crops. Principal features of crop production in 1959-60 were as follows:-

(1) The total area sown to crops was 1.8 per cent. higher than the acreage sown in 1958-59. The exceptionally large increase in acreages sown to wheat for grain was offset by substantial reductions in acreages sown to oats for grain and hay. A substantial increase occurred in the area under green fodder.

(2) In 1958-59, production levels were exceptionally high for most crops but in 1959-60 falls were recorded for many of these. Compared with 1958-59, production levels in 1959-60 in the case of barley, oats and hay fell by 46 per cent., 46 per cent. and 38 per cent. respectively. Wheat production was only 8 per cent. lower than production in the 1958/59 season. Sugar cane production was 12 per cent. below production in the previous year - whilst cotton production was more than double production in the previous year.

TABLE 6 : INDEXES OF QUANTUM (a) OF AGRICULTURAL PRODUCTION, AUSTRALIA

(Revised Series (1952))

(Average 1936-37 to 1938-39 = 100)

| Season      | Wheat | Other Crops | All Crops |
|-------------|-------|-------------|-----------|
| 1955-56     | 119   | 144         | 134       |
| 1956-57     | 82    | 144         | 120       |
| 1957-58     | 59    | 141         | 109       |
| 1958-59     | 131   | 187         | 165       |
| 1959-60 (b) | 121   | 144         | 135       |

(a) Indexes of Value at constant prices, i.e. quantities revalued at average unit values of the base years (1936-37 to 1938-39).

(b) Preliminary; subject to revision.

(3) Average yields per acre were generally lower than in the previous year when records were achieved for a number of crops. Average yields for cereal and hay crops were markedly lower than in 1958-59. The yield per acre for sugar cane at 28.67 tons per acre was a record.

Tables following show (a) area, production and average yield of all crops, by States for 1959-60, (b) a summary of Australian crop statistics, and (c) details of overseas trade with comparable figures for previous years.

TABLE 7 : AREA OF PRINCIPAL CROPS - 1959-60 (SUBJECT TO REVISION)

| (Acres)                   |           |           |           |           |           |         |      |        |            |
|---------------------------|-----------|-----------|-----------|-----------|-----------|---------|------|--------|------------|
| Crop                      | N.S.W.    | Vic.      | Q'ld.     | S.A.      | N.A.      | Tas.    | N.T. | A.C.T. | Total      |
| <u>Cereals for Grain</u>  |           |           |           |           |           |         |      |        |            |
| Barley - 2 Row            | 79,477    | 263,771   | 238,117   | 1,233,534 | 52,760    | 12,396  | -    | -      | 2,379,507  |
| 6 Row                     | 38,792    | 13,870    | 21,855    | 56,402    | 368,533   |         |      |        |            |
| Maize Hybrid              | 39,339    | 4,042     | 76,879    | (a)       | 4         | -       | -    | -      | 185,587    |
| Other                     | 12,399    |           | 52,924    |           |           |         |      |        |            |
| Oats                      | 567,341   | 673,124   | 21,478    | 505,499   | 1,240,357 | 22,017  | -    | 230    | 3,030,046  |
| Rice                      | 48,950    | -         | -         | -         | (a)       | -       | (a)  | -      | (b)48,950  |
| Sorghum                   | 51,195    | -         | 220,094   | -         | (a)       | -       | 264  | -      | 271,553    |
| Wheat                     | 3,950,389 | 2,260,730 | 683,134   | 1,549,499 | 3,718,596 | 8,264   | -    | 1,750  | 12,172,362 |
| Other                     | 3,825     | 23,856    | 67,779    | 37,414    | 9,118     | 491     | -    | -      | 142,483    |
| <b>TOTAL:</b>             | 4,791,707 | 3,239,393 | 1,382,260 | 3,382,348 | 5,389,368 | 43,168  | 264  | 1,980  | 18,230,488 |
| <u>Grass Seed</u>         | 56,643    | 14,216    | 7,914     | 30,724    | 21,031    | 2,446   | -    | 874    | 133,848    |
| <u>Hay</u>                |           |           |           |           |           |         |      |        |            |
| Barley                    | 640       | (c)2,761  | 986       | 17,067    | 3,871     | 705     | -    | -      | 26,030     |
| Lucerne                   | 166,926   | 61,443    | 65,785    | 21,174    | 755       | 1,088   | -    | 1,267  | 318,438    |
| Oaten                     | 58,722    | 206,856   | 2,713     | 118,149   | 176,565   | 15,843  | -    | 754    | 579,602    |
| Wheat                     | 82,429    | 41,723    | 7,049     | 52,076    | 53,399    | 2,069   | -    | 24     | 238,769    |
| Other                     | 173,399   | 534,374   | 4,286     | 36,833    | 84,896    | 106,839 | 326  | 1,014  | 941,987    |
| <b>TOTAL:</b>             | 482,116   | 847,157   | 80,819    | 245,299   | 319,486   | 126,544 | 326  | 3,059  | 2,104,806  |
| <u>Green Fodder</u>       |           |           |           |           |           |         |      |        |            |
| Barley                    | 16,714    | -         | 50,894    | 18,686    | 53,782    | 957     | -    | -      | 141,033    |
| Lucerne                   | 901,445   | 145,437   | 78,763    | 345,396   | 2,621     | 995     | -    | 737    | 1,475,394  |
| Maize                     | 11,732    | 8,733     | 12,714    | -         | 1,021     | 292     | -    | 4      | 34,496     |
| Oats                      | 469,456   | 198,286   | 307,681   | 189,778   | 602,537   | 42,292  | -    | 210    | 1,810,240  |
| Rye                       | 5,398     | -         | -         | 6,683     | 8,991     | 1,420   | -    | -      | 22,492     |
| Sorghum                   | 39,984    | -         | 82,036    | -         | 482       | -       | 73   | -      | 122,575    |
| Sugar Cane                | 389       | -         | 1,263     | -         | -         | -       | -    | -      | 1,652      |
| Wheat                     | 76,042    | -         | 59,288    | 3,845     | 22,685    | 1,832   | -    | 1      | 163,693    |
| Other                     | 57,599    | 69,205    | 132,516   | 31,325    | 16,674    | 14,441  | 147  | 16     | 321,923    |
| <b>TOTAL:</b>             | 1,578,759 | 421,661   | 725,155   | 595,713   | 708,793   | 62,229  | 220  | 968    | 4,093,498  |
| <u>Other Stock Fodder</u> | 5,804     | 52,844    | 8,728     | 32,868    | 4,065     | 32,438  | 90   | -      | 136,837    |

For notes see next page.

**TABLE 7 : AREA OF PRINCIPAL CROPS - 1959-60 (SUBJECT TO REVISION) (Continued)**  
(Acres)

| Crop                                    | N.S.W.    | Vic.      | Q'ld.     | S.A.      | W.A.      | Tas.     | N.T.  | A.C.T. | Total      |
|-----------------------------------------|-----------|-----------|-----------|-----------|-----------|----------|-------|--------|------------|
| <b>Industrial Crops</b>                 |           |           |           |           |           |          |       |        |            |
| Broom Millet                            | 1,508     | 265       | 252       | -         | -         | -        | -     | -      | 2,025      |
| Canary Seed                             | -         | -         | 5,989     | (a)       | -         | -        | -     | -      | 5,989      |
| Cotton                                  | 97        | -         | 20,132    | -         | (a)       | -        | -     | -      | 20,229     |
| Flax - For Fibre                        | -         | -         | -         | -         | 1,307     | -        | -     | -      | 1,307      |
| For Linseed                             | 11,933    | 22,593    | 60,837    | 1,687     | 186       | -        | -     | -      | 97,236     |
| Hops                                    | -         | 516       | -         | -         | (a)       | (d)1,461 | -     | -      | (b)1,977   |
| Peanuts                                 | 837       | -         | 41,547    | -         | (a)       | -        | 388   | -      | (b)42,772  |
| Sugar Cane -                            |           |           |           |           |           |          |       |        |            |
| Cut for Crushing                        | 14,248    | -         | 299,732   | -         | -         | -        | -     | -      | 313,980    |
| Stand-over                              | 10,510    | -         | 151,114   | -         | -         | -        | -     | -      | 161,624    |
| Cut for Plants                          | 392       | -         | 11,039    | -         | -         | -        | -     | -      | 11,431     |
| Tobacco                                 | 2,142     | 6,415     | 9,527     | -         | 1,561     | -        | -     | -      | 19,645     |
| Other                                   | 68        | -         | 10,155    | 239       | -         | 318      | -     | -      | 10,780     |
| <b>TOTAL:</b>                           | 41,735    | 29,789    | 610,324   | 1,926     | 3,054     | 1,779    | 388   | -      | 688,995    |
| <b>Vegetables for Human Consumption</b> |           |           |           |           |           |          |       |        |            |
| Onions, white and brown                 | 697       | 4,203     | 3,550     | 641       | 392       | 29       | -     | 12     | 9,524      |
| Potatoes                                | 19,453    | 50,616    | 12,311    | 5,872     | 6,968     | 15,525   | -     | 67     | 110,812    |
| Other Vegetables                        | 45,816    | 35,580    | 34,834    | 9,758     | 7,353     | 13,812   | 168   | 77     | 147,398    |
| <b>TOTAL:</b>                           | 65,966    | 90,399    | 50,695    | 16,271    | 14,713    | 29,366   | 168   | 156    | 267,734    |
| <b>Fruit</b>                            | 93,870    | 69,440    | 42,587    | 37,355    | 23,725    | 22,713   | 108   | 57     | 289,855    |
| <b>Vineyards</b>                        |           |           |           |           |           |          |       |        |            |
| For Drying - Bearing                    | 7,167     | (e)       | -         | 12,765    | (e)       | -        | -     | -      | (e)        |
| Not Bearing                             | 574       |           | -         | 328       |           | -        | -     | -      |            |
| For Table - Bearing                     | 2,317     |           | 2,476     | 223       |           | -        | 1     | -      |            |
| Not Bearing                             | 282       |           | 322       | 49        |           | -        | -     | -      |            |
| For Wine - Bearing                      | 6,494     |           | 279       | 40,772    |           | -        | -     | -      |            |
| Not Bearing                             | 402       |           | 6         | 2,716     |           | -        | -     | -      |            |
| <b>TOTAL - Bearing</b>                  | 15,978    | 42,999    | 2,755     | 53,760    | 9,176     | -        | 1     | -      | 131,149    |
| Not Bearing                             | 1,258     | 1,801     | 328       | 3,093     | -         | -        | -     | -      |            |
| <b>All Other Crops</b>                  | 3,042     | 5,514     | 14,981    | 290       | 1,371     | 987      | -     | 24     | 26,209     |
| <b>TOTAL AREA OF ALL CROPS:</b>         | 7,136,878 | 4,815,213 | 2,926,546 | 4,399,647 | 6,494,782 | 321,670  | 1,565 | 7,118  | 26,103,419 |

(a) Not available for publication, included in "All Other Crops" except in respect of rice in the Northern Territory which is excluded from "Total Area of All Crops". (b) Incomplete. See footnotes to individual States. (c) Includes rye hay. (d) Includes 25 acres not bearing. (e) Not yet available.

TABLE 8 : PRODUCTION OF PRINCIPAL CROPS, 1959-60 (SUBJECT TO REVISION)

| Crop                                    | Unit of Quantity | N.S.W. | Vic.   | Q'ld.      | S.A.   | W.A.   | Tas.   | N.T.  | A.C.T. | Aust.      |
|-----------------------------------------|------------------|--------|--------|------------|--------|--------|--------|-------|--------|------------|
| <b>Cereals for Grain</b>                |                  |        |        |            |        |        |        |       |        |            |
| Barley - 2 Row                          | '000 bus.        | 1,734  | 5,327  | 6,134      | 11,463 | 926    | 418    | -     | -      | 34,095     |
| 6 Row                                   | " "              | 847    | 282    | 516        | 394    | 6,054  | -      | -     | -      | (a)        |
| Maize - Hybrid                          | " "              | 1,998  | (a)    | 2,688      | -      | -      | -      | -     | -      | 46,847     |
| Other                                   | " "              | 488    | -      | 1,372      | -      | -      | -      | -     | 6      | (c)6,667   |
| Oats                                    | " "              | 11,125 | 12,707 | 394        | 2,504  | 19,599 | 512    | (b)   | -      | 8,086      |
| Rice                                    | " "              | 6,667  | -      | -          | -      | (b)    | -      | 4     | -      | 198,501    |
| Sorghum                                 | " "              | 1,452  | -      | 6,630      | -      | -      | -      | -     | -      | (a)        |
| Wheat                                   | " "              | 75,358 | 38,793 | 13,522     | 11,929 | 58,670 | 182    | -     | 47     | 23         |
| Grass Seed                              | '000 cwt.        | 64     | (a)    | 14         | 26     | 45     | 3      | -     | -      | 643        |
| Hay - Barley                            | '000 ton         | -      | 4      | 2          | 12     | 4      | 1      | -     | -      | 734        |
| Lucerne                                 | " "              | 329    | 115    | 157        | 34     | 2      | 2      | -     | 4      | 290        |
| Oaten                                   | " "              | 77     | 320    | 4          | 75     | 229    | 28     | -     | 1      | 1,483      |
| Wheaten                                 | " "              | 115    | 53     | 9          | 43     | 66     | 4      | -     | -      |            |
| Other                                   | " "              | 258    | 856    | 7          | 42     | 132    | 186    | -     | 2      |            |
| <b>TOTAL HAY:</b>                       | " "              | 779    | 1,348  | 179        | 206    | 433    | 221    | -     | 7      |            |
| <b>Industrial Crops</b>                 |                  |        |        |            |        |        |        |       |        |            |
| Broom Millet - Fibre                    | '000 cwt.        | 10     | 1      | 1          | -      | -      | -      | -     | -      | 12         |
| Grain                                   | '000 bushel      | 7      | 1      | (d)        | -      | -      | -      | -     | -      | (c)8       |
| Canary Seed                             | " "              | -      | -      | 84         | (b)    | -      | -      | -     | -      | 84         |
| Cotton, unginned                        | '000 lb.         | 108    | -      | 9,355      | -      | -      | -      | -     | -      | 9,463      |
| Flax, Straw                             | ton              | -      | -      | -          | -      | 2,723  | -      | -     | -      | 2,723      |
| Linseed                                 | " "              | 2,922  | 6,704  | 16,247     | 191    | 48     | -      | -     | -      | 26,112     |
| Hops (Dry Weight)                       | cwt.             | -      | 7,689  | -          | -      | (b)    | 25,002 | -     | -      | (c)32,691  |
| Peanuts                                 | " "              | 10,639 | -      | (e)360,000 | -      | (b)    | -      | 4,306 | -      | (c)374,945 |
| Sugar cane crushed                      | '000 ton         | 574    | -      | 8,428      | -      | -      | -      | -     | -      | 9,002      |
| Tobacco (dried leaf)                    | '000 lb.         | 1,438  | 8,405  | 9,149      | -      | (a)    | -      | -     | -      | (a)        |
| <b>Vegetables for Human Consumption</b> |                  |        |        |            |        |        |        |       |        |            |
| Onions, white and brown                 | ton              | 3,658  | (a)    | 14,708     | 5,644  | 4,495  | 135    | -     | 39     | (a)        |
| Potatoes                                | " "              | 81,908 | (a)    | 51,468     | 48,923 | 56,224 | (a)    | -     | 360    | (a)        |
| <b>Vineyards</b>                        |                  |        |        |            |        |        |        |       |        |            |
| Total Grapes for all purposes           | ton              | 59,405 | (a)    | 3,236      | (a)    | (a)    | -      | 2     | -      | (a)        |
| Dried Grapes - Currants                 | " "              | 722    | (a)    | -          | 3,232  | (a)    | -      | -     | -      | (e)8,100   |
| Sultanas and Raisins                    | " "              | 7,824  | (a)    | -          | 9,750  | (a)    | -      | -     | -      | (e)60,000  |
| Grapes for Table                        | " "              | 4,531  | (a)    | 3,054      | 1,085  | (a)    | -      | 2     | -      | (a)        |
| Wine made                               | '000 gals.       | (a)    | (a)    | (a)        | 21,020 | (a)    | -      | -     | -      | (a)        |

(a) Not yet available. (b) Not available for publication. (c) Incomplete - see footnotes for individual States. (d) Not available.  
(e) Preliminary estimate.

TABLE 9 : YIELD PER PRODUCTIVE ACRE OF PRINCIPAL CROPS, 1959-60 (SUBJECT TO REVISION)

| Crop                                    | Unit of Quantity | N.S.W. | Vic.    | Q'ld. | S.A.  | W.A.  | Tas.   | N.T.  | A.C.T. | Australia |
|-----------------------------------------|------------------|--------|---------|-------|-------|-------|--------|-------|--------|-----------|
| <b>Cereals for Grain</b>                |                  |        |         |       |       |       |        |       |        |           |
| Barley - 2 Row                          | bushel           | 21.8   | 20.2    | 25.8  | 9.3   | 17.5  | } 33.8 | -     | -      | 143       |
| 6 Row                                   | "                | 21.8   | 20.3    | 23.6  | 7.0   | 16.4  |        | -     | -      |           |
| Maise - Hybrid                          | "                | 50.8   | { (a) } | 35.0  | { - } | 25.5  | -      | -     | -      | (a)       |
| Other                                   | "                | 39.3   |         | 25.9  |       | -     | -      | -     | -      |           |
| Oats                                    | "                | 19.6   | 18.9    | 18.4  | 5.0   | 15.8  | 23.2   | -     | 24.8   | 15.5      |
| Rice                                    | "                | 136.2  | -       | -     | -     | (b)   | -      | (b)   | -      | (c) 136.2 |
| Sorghum                                 | "                | 28.4   | -       | 30.1  | -     | (b)   | -      | 15.4  | -      | 29.8      |
| Wheat                                   | "                | 19.1   | 17.2    | 19.8  | 7.7   | 15.8  | 22.0   | -     | 26.8   | 16.3      |
| <b>Grass Seed</b>                       | cwt.             | 1.44   | (a)     | 1.79  | 0.85  | 2.14  | (d)    | -     | -      | (d)       |
| <b>Hay</b>                              |                  |        |         |       |       |       |        |       |        |           |
| Barley                                  | ton              | 0.80   | 1.27    | 1.46  | 0.70  | 1.14  | 1.72   | -     | -      | 0.88      |
| Lucerne                                 | "                | 1.97   | 1.88    | 2.38  | 1.60  | 2.48  | 1.85   | -     | 3.20   | 2.02      |
| Oaten                                   | "                | 1.30   | 1.55    | 1.63  | 0.63  | 1.30  | 1.74   | -     | 1.48   | 1.27      |
| Wheaten                                 | "                | 1.40   | 1.27    | 1.23  | 0.83  | 1.24  | 1.70   | -     | 1.83   | 1.21      |
| Other                                   | "                | 1.49   | 1.60    | 1.71  | 1.16  | 1.55  | 1.75   | 0.91  | 1.33   | 1.58      |
| <b>TOTAL HAY:</b>                       | "                | 1.62   | 1.59    | 2.21  | 0.84  | 1.36  | 1.75   | 0.91  | 2.15   | 1.51      |
| <b>Industrial Crops</b>                 |                  |        |         |       |       |       |        |       |        |           |
| Broom Millet - Fibre                    | cwt.             | 6.56   | 4.05    | 3.88  | -     | -     | -      | -     | -      | 5.90      |
| Grain                                   | bushel           | 4.54   | 2.54    | (d)   | -     | -     | -      | -     | -      | (d)       |
| Canary Seed                             | "                | -      | -       | 14.07 | (b)   | -     | -      | -     | -      | 14.07     |
| Cotton, unginned                        | lb.              | 1,113  | -       | 465   | -     | -     | -      | -     | -      | 468       |
| Flax, Straw                             | ton              | -      | -       | -     | -     | 2.08  | -      | -     | -      | 2.08      |
| Linseed                                 | "                | 0.24   | 0.30    | 0.27  | 0.11  | 0.26  | -      | -     | -      | 0.27      |
| Hops (dry weight)                       | cwt.             | -      | 14.90   | -     | -     | (b)   | 17.41  | -     | -      | (c) 16.75 |
| Peanuts                                 | "                | 12.71  | -       | 8.66  | -     | (b)   | -      | 11.10 | -      | (c) 8.77  |
| Sugar cane, crushed                     | ton              | 40.32  | -       | 28.12 | -     | -     | -      | -     | -      | 28.67     |
| Tobacco (dried leaf)                    | lb.              | 671    | 1,310   | 960   | -     | (a)   | -      | -     | -      | (a)       |
| <b>Vegetables for Human Consumption</b> |                  |        |         |       |       |       |        |       |        |           |
| Onions, white and brown                 | ton              | 5.25   | (a)     | 4.14  | 8.80  | 11.47 | 4.66   | -     | 3.25   | (a)       |
| Potatoes                                | "                | 4.21   | (a)     | 4.18  | 8.33  | 8.07  | (a)    | -     | 5.37   | (a)       |
| <b>Vineyards</b>                        |                  |        |         |       |       |       |        |       |        |           |
| Total Grapes for all purposes           | "                | 3.72   | (a)     | 1.17  | (a)   | (a)   | -      | 2.00  | -      | (a)       |

(a) Not yet available. (b) Not available for publication. (c) Incomplete - see footnotes to individual States. (d) Not available.

TABLE 10 : AREA OF PRINCIPAL CROPS : AUSTRALIA

|                           |  | (Acres)    |            |            |            |             |
|---------------------------|--|------------|------------|------------|------------|-------------|
| Crop                      |  | 1955-56    | 1956-57    | 1957-58    | 1958-59    | 1959-60 (a) |
| <u>Cereals for Grain</u>  |  |            |            |            |            |             |
| Barley - 2 Row            |  | 1,509,824  | 1,705,098  | 1,758,087  | 1,964,934  | } 2,379,507 |
| Barley - 6 Row            |  | 384,099    | 388,029    | 362,706    | 415,592    |             |
| Maize                     |  | 167,441    | 181,570    | 184,062    | 179,542    | 185,587     |
| Oats                      |  | 3,353,813  | 2,555,992  | 2,958,501  | 3,974,185  | 3,030,046   |
| Rice                      |  | 41,182     | 50,477     | 46,774     | 47,054     | 48,950      |
| Sorghum                   |  | 179,298    | 206,659    | 214,442    | 252,419    | 271,553     |
| Wheat                     |  | 10,166,000 | 7,874,246  | 8,847,799  | 10,399,168 | 12,172,362  |
| Other                     |  | 119,600    | 135,522    | 133,357    | 183,056    | 142,483     |
| <u>TOTALs</u>             |  | 15,921,257 | 13,097,593 | 14,505,728 | 17,415,950 | 18,230,488  |
| <u>Grass Seed</u>         |  | 161,452    | 141,503    | 117,045    | 140,748    | 133,848     |
| <u>Hay</u>                |  |            |            |            |            |             |
| Barley                    |  | 11,489     | 10,798     | 39,168     | 25,690     | 26,030      |
| Lucerne                   |  | 338,522    | 262,416    | 278,886    | 398,330    | 318,438     |
| Oaten                     |  | 603,177    | 412,368    | 612,331    | 751,611    | 579,602     |
| Wheaten                   |  | 245,144    | 145,144    | 412,049    | 243,603    | 238,769     |
| Other                     |  | 1,042,529  | 1,030,636  | 894,915    | 1,598,843  | 941,967     |
| <u>TOTALs</u>             |  | 2,240,861  | 1,861,362  | 2,237,349  | 3,018,077  | 2,104,806   |
| <u>Green Fodder</u>       |  |            |            |            |            |             |
| Barley                    |  | 130,298    | 133,711    | 171,852    | 128,571    | 141,033     |
| Lucerne (b)               |  | 702,319    | 823,001    | 873,078    | 1,127,781  | 1,475,394   |
| Maize                     |  | 41,569     | 37,789     | 44,573     | 37,988     | 34,496      |
| Oats (b)                  |  | 1,774,933  | 1,758,529  | 2,004,150  | 1,746,627  | 1,810,240   |
| Rye                       |  | 30,583     | 32,387     | 26,788     | 23,100     | 22,492      |
| Sorghum                   |  | 71,514     | 77,398     | 101,824    | 98,283     | 122,575     |
| Sugar Cane                |  | 1,683      | 1,436      | 3,659      | 1,294      | 1,652       |
| Wheat                     |  | 120,835    | 103,686    | 186,663    | 117,019    | 163,693     |
| Other                     |  | 293,575    | 278,384    | 333,467    | 297,295    | 321,923     |
| <u>TOTALs (b)</u>         |  | 3,167,309  | 3,246,321  | 3,746,054  | 3,577,958  | 4,093,498   |
| <u>Other Stock Fodder</u> |  | 101,483    | 86,043     | 116,540    | 115,926    | 136,837     |

For notes see next page.

TABLE 10 : AREA OF PRINCIPAL CROPS : AUSTRALIA (Continued)

| (Acres)                                 |            |            |            |            |             |
|-----------------------------------------|------------|------------|------------|------------|-------------|
| Crop                                    | 1955-56    | 1956-57    | 1957-58    | 1958-59    | 1959-60 (a) |
| <b>Industrial Crops</b>                 |            |            |            |            |             |
| Broom Millet                            | 2,929      | 4,224      | 3,759      | 2,383      | 2,025       |
| Canary Seed                             | 74,315     | 165,265    | 55,400     | 9,531      | 5,989       |
| Cotton                                  | 13,290     | 11,338     | 10,364     | 10,493     | 20,229      |
| Flax - For Fibre                        | 4,670      | 5,817      | 7,962      | 2,015      | 1,307       |
| For Linseed                             | 47,727     | 90,102     | 97,367     | 37,225     | 97,236      |
| Hops                                    | 1,765      | 1,839      | 1,876      | 1,883      | 1,977       |
| Peanuts                                 | 32,451     | 25,644     | 35,581     | 60,357     | 42,772      |
| Sugar Cane -                            |            |            |            |            |             |
| Cut for Crushing                        | 372,774    | 370,114    | 375,719    | 369,578    | 313,980     |
| Stand-over                              | 113,510    | 116,153    | 116,665    | 127,927    | 161,624     |
| Cut for Plants                          | 12,781     | 12,972     | 13,666     | 13,007     | 11,431      |
| Tobacco                                 | 11,306     | 12,172     | 13,204     | 15,151     | 19,645      |
| Other                                   | 8,523      | 11,165     | 7,267      | 8,772      | 10,780      |
| <b>TOTAL:</b>                           | 696,041    | 826,805    | 738,830    | 658,322    | 688,995     |
| <b>Vegetables for Human Consumption</b> |            |            |            |            |             |
| Onions, White and Brown                 | 7,010      | 9,362      | 11,317     | 8,860      | 9,524       |
| Potatoes                                | 93,607     | 101,050    | 117,946    | 104,713    | 110,812     |
| Other Vegetables                        | 155,298    | 171,800    | 163,551    | 152,864    | 147,398     |
| <b>TOTAL:</b>                           | 255,915    | 282,212    | 292,814    | 266,437    | 267,734     |
|                                         | 278,907    | 270,039    | 275,915    | 286,920    | 289,855     |
| <b>Fruit</b>                            |            |            |            |            |             |
| <b>Vineyards</b>                        |            |            |            |            |             |
| For Drying - Bearing                    | 36,534     | 59,692     | 60,483     | 61,088     | } (c)       |
| " Table                                 | 8,965      | 8,636      | 8,172      | 8,226      |             |
| " Wine                                  | 54,633     | 56,055     | 55,877     | 54,542     |             |
| <b>TOTAL:- Bearing</b>                  | 127,132    | 124,383    | 124,532    | 123,856    | } (c)       |
| Not Bearing                             | 7,669      | 7,238      | 6,505      | 6,870      |             |
| <b>TOTAL VINEYARDS:</b>                 | 134,801    | 131,621    | 131,037    | 130,726    | 131,149     |
|                                         | 14,774     | 18,240     | 16,077     | 19,818     | 26,209      |
| <b>All Other Crops</b>                  |            |            |            |            |             |
| <b>TOTAL AREA OF ALL CROPS: (b)</b>     | 22,972,800 | 19,961,739 | 22,177,389 | 25,630,882 | 26,103,419  |

(a) Subject to revision. (b) See Foreword regarding change in basis of recording area. (c) Not yet available.

TABLE 11 : PRODUCTION OF PRINCIPAL CROPS : AUSTRALIA

| Crop                                    |    | Unit of Quantity | 1955-56 | 1956-57 | 1957-58 | 1958-59 | 1959-60 (a) |
|-----------------------------------------|----|------------------|---------|---------|---------|---------|-------------|
| <u>Cereals for Grain</u>                |    |                  |         |         |         |         |             |
| Barley - 2 Row                          | .. | '000 bushels     | 35,470  | 43,870  | 26,404  | 54,624  | } 34,095    |
| 6 Row                                   | .. | " "              | 6,186   | 5,408   | 4,062   | 8,352   |             |
| Maise                                   | .. | " "              | 4,755   | 5,494   | 5,639   | 6,717   | (b)         |
| Oats                                    | .. | " "              | 56,487  | 35,396  | 31,426  | 86,905  | 46,847      |
| Rice                                    | .. | " "              | 4,725   | 4,262   | 5,658   | 6,619   | 6,667       |
| Sorghum                                 | .. | " "              | 4,624   | 4,919   | 4,408   | 7,310   | 8,086       |
| Wheat                                   | .. | " "              | 195,443 | 134,455 | 97,566  | 215,121 | 198,501     |
| <u>Grass Seed</u>                       | .. | '000 cwt.        | 228     | 195     | 154     | 199     | (b)         |
| <u>Hay</u>                              |    |                  |         |         |         |         |             |
| Barley                                  | .. | '000 tons        | 15      | 15      | 37      | 36      | 23          |
| Lucerne                                 | .. | " "              | 588     | 458     | 431     | 738     | 643         |
| Oaten                                   | .. | " "              | 878     | 556     | 717     | 1,199   | 734         |
| Wheaten                                 | .. | " "              | 368     | 193     | 364     | 377     | 290         |
| Other                                   | .. | " "              | 1,776   | 1,821   | 1,420   | 2,740   | 1,483       |
| <u>Total Hay:</u>                       |    |                  | 3,625   | 3,043   | 2,969   | 5,090   | 3,173       |
| <u>Industrial Crops</u>                 |    |                  |         |         |         |         |             |
| Broom Millet - Fibre                    | .. | '000 cwt.        | 14      | 23      | 22      | 14      | 12          |
| Grain                                   | .. | '000 bushels     | 9       | 16      | 21      | 12      | 8           |
| Canary Seed                             | .. | " "              | 906     | 1,589   | 260     | 95      | 84          |
| Cotton, unginned                        | .. | '000 lb.         | 5,359   | 3,809   | 3,390   | 4,004   | 9,463       |
| Flax - Straw                            | .. | '000 tons        | 8       | 11      | 14      | 4       | 3           |
| Linseed                                 | .. | " "              | 13      | 19      | 9       | 11      | 26          |
| Hops (Dry weight)                       | .. | '000 cwt.        | 34      | 25      | 33      | 36      | 33          |
| Peanuts                                 | .. | " "              | 177     | 179     | 375     | 636     | 375         |
| Sugar Cane, crushed                     | .. | '000 tons        | 8,901   | 9,272   | 9,249   | 10,213  | 9,002       |
| Tobacco (dried leaf)                    | .. | '000 lb.         | 6,106   | 8,709   | 11,567  | 13,970  | (b)         |
| <u>Vegetables for Human Consumption</u> |    |                  |         |         |         |         |             |
| Onions, White and Brown                 | .. | '000 tons        | 40      | 54      | 72      | 55      | (b)         |
| Potatoes                                | .. | " "              | 402     | 519     | 575     | 575     | (b)         |
| <u>Vineyards</u>                        |    |                  |         |         |         |         |             |
| Total Grapes for all purposes           | .. | '000 tons        | 378     | 495     | 550     | 537     | (b)         |
| Dried Grapes - Currants                 | .. | " "              | 13      | 11      | 12      | 11      | (c) 8       |
| Sultanas and Raisins                    | .. | " "              | 46      | 69      | 79      | 76      | (c) 59      |
| Grapes for Table                        | .. | " "              | 12      | 16      | 18      | 18      | (b)         |
| Wine made                               | .. | '000 gallons     | 22,895  | 30,743  | 33,854  | 32,538  | (b)         |

(a) Subject to revision. (b) Not yet available. (c) Preliminary estimates.

TABLE 12 : YIELD PER PRODUCTIVE ACRE OF PRINCIPAL CROPS : AUSTRALIA

| Crop                                    |    | Unit of Quantity | 1955-56 | 1956-57 | 1957-58 | 1958-59 | 1959-60 (a) |
|-----------------------------------------|----|------------------|---------|---------|---------|---------|-------------|
| <u>Cereals for Grain</u>                |    |                  |         |         |         |         |             |
| Barley - 2 Row                          | .. | bushels          | 23.5    | 25.7    | 15.0    | 27.8    | ) 14.3      |
| Barley - 6 Row                          | .. | "                | 16.1    | 13.9    | 11.2    | 20.1    |             |
| Maize                                   | .. | "                | 28.4    | 30.3    | 30.6    | 37.4    | (b)         |
| Oats                                    | .. | "                | 16.8    | 13.8    | 10.6    | 21.9    | 15.5        |
| Rice                                    | .. | "                | 114.7   | 84.4    | 121.0   | 140.7   | 136.2       |
| Sorghum                                 | .. | "                | 25.8    | 23.8    | 20.6    | 29.0    | 29.8        |
| Wheat                                   | .. | "                | 19.2    | 17.1    | 11.0    | 20.7    | 16.3        |
| Grass Seed                              | .. | cwt.             | 1.41    | (c)     | (c)     | (c)     | (c)         |
| <u>Hay -</u>                            |    | ton              | 1.31    | 1.42    | 0.93    | 1.39    | 0.88        |
| Barley                                  | .. | "                | 1.74    | 1.75    | 1.55    | 1.85    | 2.02        |
| Lucerne                                 | .. | "                | 1.46    | 1.35    | 1.17    | 1.59    | 1.27        |
| Oaten                                   | .. | "                | 1.50    | 1.33    | 0.88    | 1.55    | 1.21        |
| Wheaten                                 | .. | "                | 1.70    | 1.77    | 1.59    | 1.71    | 1.58        |
| Other                                   | .. | "                |         |         |         |         |             |
| <u>Total Hay:</u>                       |    | "                | 1.62    | 1.63    | 1.33    | 1.69    | 1.51        |
| <u>Industrial Crops</u>                 |    |                  |         |         |         |         |             |
| Broom Millet - Fibre                    | .. | cwt.             | 4.76    | 5.53    | 5.88    | 5.94    | 5.90        |
| Canary Seed                             | .. | bushel           | 12.19   | 9.61    | 4.69    | 9.93    | 14.07       |
| Cotton, unginned                        | .. | lb.              | 403     | 336     | 327     | 382     | 468         |
| Flax - Straw                            | .. | ton              | 1.64    | 1.83    | 1.79    | 1.82    | 2.08        |
| Linseed                                 | .. | "                | 0.28    | 0.21    | 0.09    | 0.29    | 0.27        |
| Hops                                    | .. | cwt.             | 20.22   | 13.97   | 17.73   | 19.52   | 16.75       |
| Peanuts                                 | .. | "                | 5.45    | 6.96    | 10.53   | 10.53   | 8.77        |
| Sugar Cane, Crushed                     | .. | ton              | 23.88   | 25.05   | 24.62   | 27.63   | 28.67       |
| Tobacco (dried leaf)                    | .. | lb.              | 540     | 716     | 876     | 922     | (b)         |
| <u>Vegetables for Human Consumption</u> |    |                  |         |         |         |         |             |
| Onions, White and Brown                 | .. | ton              | 5.69    | 5.78    | 6.36    | 6.22    | (b)         |
| Potatoes                                | .. | ton              | 4.29    | 5.14    | 4.88    | 5.49    | (b)         |
| <u>Vineyards</u>                        |    |                  |         |         |         |         |             |
| Total Grapes for all purposes           | .. | "                | 2.97    | 3.98    | 4.42    | 4.33    | (b)         |

(a) Subject to revision.

(b) Not yet available.

(c) Not available.

TABLE 13 : OVERSEA TRADE IN CERTAIN AGRICULTURAL PRODUCTS : AUSTRALIA

| Item                                       | Unit of Quantity | 1957-58    |            | 1958-59    |            | 1959-60 (a) |            |
|--------------------------------------------|------------------|------------|------------|------------|------------|-------------|------------|
|                                            |                  | Imports    | Exports    | Imports    | Exports    | Imports     | Exports    |
| Cocoa Beans, shells and nibs, raw ..       | lb.              | 19,579,041 | 452,990    | 21,052,445 | 421,837    | 24,287,022  | 450,019    |
| Coffee, Raw and Kiln dried ..              | "                | 14,809,822 | 51,501     | 19,920,650 | 196,830    | 22,145,993  | 315,448    |
| Fibre - Cotton, raw (including Linters) .. | "                | 45,031,561 | (b)        | 44,312,932 | (b)        | 42,386,268  | (b)        |
| Soft Fibres (mainly Jute and Hemp) ..      | cwt.             | 96,563     | 4          | 121,137    | 1          | 141,748     | (b)        |
| Hard Fibres (mainly Sisal) ..              | "                | 340,854    | 155        | 433,365    | 99         | 513,988     | (b)        |
| Fruits - Dried Vine Fruit ..               | cental           | (b)        | 1,337,203  | (b)        | 1,698,639  | (b)         | 1,123,901  |
| Dried Tree Fruits ..                       | "                | 89,790     | 13,625     | 85,350     | 33,478     | 109,162     | 60,491     |
| Fresh Fruit ..                             | bushel           | (b)        | 7,993,027  | (b)        | 6,558,645  | 25,891      | 6,885,837  |
| Preserved in liquid ..                     | cental           | 14,447     | 1,651,713  | 8,979      | 1,960,252  | 4,901       | 1,999,447  |
| Grain and Pulse -                          |                  |            |            |            |            |             |            |
| Unprepared - Barley ..                     | bushel           | (b)        | 19,264,762 | (b)        | 29,923,936 | (b)         | 25,012,691 |
| Oats ..                                    | "                | (b)        | 2,295,664  | (b)        | 17,557,344 | (b)         | 11,969,328 |
| Sorghum ..                                 | "                | (b)        | 485        | (b)        | 2,372,421  | (b)         | 2,212,410  |
| Wheat ..                                   | "                | 1,136,400  | 39,221,836 | 348,600    | 54,631,808 | (b)         | 95,431,504 |
| Prepared - Flour (Wheaten) ..              | (c) Ton          | (b)        | 479,985    | (b)        | 467,699    | (b)         | 558,127    |
| Rice ..                                    | cwt.             | (b)        | 637,037    | (b)        | 882,764    | (b)         | 1,320,305  |
| Hops ..                                    | lb.              | 504,186    | (b)        | 948,781    | (b)        | -           | (b)        |
| Jams and Jellies ..                        | "                | 906,593    | 9,418,836  | 871,559    | 7,748,450  | 1,365,850   | 6,512,838  |
| Nuts, Edible ..                            | "                | 27,800,209 | 188,193    | 21,930,241 | 379,830    | 20,842,536  | 1,279,483  |
| Seeds - Oilseeds and Oil nuts ..           | cwt.             | 775,391    | 14,290     | 743,666    | 4,680      | 954,786     | 24,185     |
| Grass and Field Seeds ..                   | cental           | 96,394     | 68,232     | 50,010     | 81,736     | 73,413      | 84,093     |
| Sugar - Raw ..                             | ton              | (b)        | 701,991    | (b)        | 797,161    | (b)         | 681,481    |
| Refined ..                                 | "                | (b)        | 5,811      | (b)        | 5,808      | (b)         | 19,834     |
| Tea ..                                     | lb.              | 55,762,124 | 1,174,070  | 62,423,238 | 1,259,372  | 62,348,529  | 1,492,890  |
| Tobacco - Unmanufactured ..                | "                | 43,029,219 | 500,217    | 38,678,767 | 92,676     | 36,986,587  | 54,929     |
| Cigarettes ..                              | "                | 370,842    | 352,063    | 386,798    | 213,167    | 975,434     | 151,659    |
| Wine - Sparkling ..                        | gallon           | 9,957      | 4,872      | 10,638     | 5,203      | 12,441      | 6,480      |
| Other ..                                   | "                | 41,068     | 1,484,656  | 41,174     | 1,742,046  | 47,588      | 1,738,867  |

(a) Preliminary. (b) Not recorded separately. (c) Short ton of 2,000 lb. Includes self-raising flour, wheatmeal for baking and sharps.

The following tables show the number of holdings growing principal crops by States in 1959-60 and for Australia in 1955-56 to 1959-60.

**TABLE 14 : NUMBER OF HOLDINGS GROWING PRINCIPAL CROPS : 1959-60**

| Crop                     | N.S.W. | Vic.   | Q'ld. | S.A.  | W.A.  | Tas.  | N.T. | A.C.T. | Aust.  |
|--------------------------|--------|--------|-------|-------|-------|-------|------|--------|--------|
| <b>Cereals (a)</b>       |        |        |       |       |       |       |      |        |        |
| Barley ..                | 1,496  | (b)    | 3,048 | 8,070 | 3,461 | 209   | -    | -      | (b)    |
| Maize ..                 | 600    | (b)    | 1,954 | -     | -     | -     | -    | -      | (b)    |
| Oats ..                  | 7,719  | 7,477  | 383   | 5,534 | 8,380 | 321   | -    | 22     | 29,836 |
| Rice ..                  | (b)    | -      | -     | -     | 2     | -     | 2    | -      | (b)    |
| Sorghum ..               | 479    | -      | 2,976 | -     | -     | -     | 4    | -      | 3,459  |
| Wheat ..                 | 16,798 | 10,561 | 4,555 | 7,869 | 8,444 | 141   | -    | 24     | 48,392 |
| <b>Industrial Crops</b>  |        |        |       |       |       |       |      |        |        |
| Cotton (c) ..            | 5      | -      | 523   | -     | 1     | -     | -    | -      | 529    |
| Flax for Fibre (c) ..    | -      | -      | -     | -     | 44    | -     | -    | -      | 44     |
| Sugar Cane (c) ..        | 558    | -      | 6,715 | -     | -     | -     | -    | -      | 7,273  |
| Hops (d) ..              | -      | 31     | -     | -     | 1     | 99    | -    | -      | 131    |
| Tobacco (d) ..           | 83     | (b)    | 591   | -     | 162   | -     | -    | -      | (b)    |
| Peanuts (c) ..           | 59     | -      | 1,019 | -     | 1     | -     | 9    | -      | 1,088  |
| <b>Vegetables (e)</b>    |        |        |       |       |       |       |      |        |        |
| Potatoes ..              | 1,958  | (b)    | 1,451 | 837   | 802   | 2,425 | 2    | 15     | (b)    |
| Onions ..                | 151    | (b)    | 572   | 247   | 169   | 14    | -    | 3      | (b)    |
| <b>Vineyards (e)</b>     |        |        |       |       |       |       |      |        |        |
| Grapes (all purposes) .. | 1,203  | (b)    | 420   | 2,950 | 745   | -     | 1    | -      | (b)    |

(a) Twenty acres and over. (b) Not yet available. (c) Five acres and over.  
(d) All holdings. (e) One acre and over.

**TABLE 15 : NUMBER OF HOLDINGS GROWING PRINCIPAL CROPS, AUSTRALIA**

| Crop                      | 1955-56 | 1956-57 | 1957-58 | 1958-59 | 1959-60 |
|---------------------------|---------|---------|---------|---------|---------|
| <b>Cereals (a)</b>        |         |         |         |         |         |
| Barley ..                 | 16,631  | 16,901  | 17,590  | 19,394  | (b)     |
| Maize (c) ..              | 2,441   | 2,586   | 2,758   | 2,721   | (b)     |
| Oats ..                   | 32,268  | 24,900  | 28,747  | 37,499  | 29,836  |
| Rice ..                   | 620     | 652     | 743     | 775     | (b)     |
| Sorghum ..                | 2,492   | 2,886   | 2,919   | 3,395   | 3,459   |
| Wheat ..                  | 44,606  | 36,846  | 40,209  | 45,135  | 48,392  |
| <b>Industrial Crops</b>   |         |         |         |         |         |
| Cotton (d) ..             | 481     | 351     | 274     | 286     | 529     |
| Flax for Fibre (c) (d) .. | 162     | 190     | 247     | 54      | 44      |
| Sugar Cane (d) ..         | 7,223   | 7,329   | 7,209   | 7,375   | 7,273   |
| Hops (e) ..               | 124     | 128     | 129     | 130     | 131     |
| Tobacco (e) ..            | 859     | 876     | 890     | 973     | (b)     |
| Peanuts (d) ..            | 843     | 649     | 725     | 1,336   | 1,088   |
| <b>Vegetables (f)</b>     |         |         |         |         |         |
| Potatoes (c) ..           | 12,336  | 14,199  | 14,720  | 12,134  | (b)     |
| Onions (c) ..             | 1,642   | 1,949   | 2,153   | 1,807   | (b)     |
| <b>Vineyards (f)</b>      |         |         |         |         |         |
| Grapes (all purposes) ..  | 8,021   | 7,753   | 7,765   | 7,769   | (b)     |

(a) Twenty acres and over. (b) Not yet available. (c) Includes all holdings in Victoria. (d) Five acres and over. (e) All holdings. (f) One acre and over.

#### IV. ARTIFICIAL FERTILIZERS

A substantial increase in the use of artificial fertilisers is evident in all States since the conclusion of the 1939-45 War. The quantity of artificial fertilisers used in 1959-60 (approximately 2,328,000 tons) represents an increase of 55,000 tons (2.9 per cent.) on the previous year and 76,000 tons (3.4 per cent.) on that recorded in 1957-58. Further details appear in Tables 16 and 17.

TABLE 16 : AREA FERTILIZED AND QUANTITY OF ARTIFICIAL FERTILIZERS USED, 1959-60

| Particulars                              | N.S.W.    | VIC.       | Q'LD.     | S.A.      | W.A.       | TAS.      | N.T.      | A.C.T. | TOTAL      |
|------------------------------------------|-----------|------------|-----------|-----------|------------|-----------|-----------|--------|------------|
| <b>Wheat Crops -</b>                     |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 2,514,029 | 2,277,767  | 10,000    | 1,557,697 | 3,794,658  | 9,075     | -         | 1,512  | 10,164,738 |
| Superphosphate Used.. .. cwt.            | 1,408,757 | 1,584,282  | 7,406     | 1,458,996 | 3,527,798  | 13,938    | -         | 1,547  | 8,002,724  |
| Other Artificial Fertilizers Used.. .. " | 2,948     | 24,668     | 724       | 5,469     | 546        | 132       | -         | -      | 34,487     |
| <b>Vegetable Crops -</b>                 |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 43,644    | 81,838     | 24,587    | 12,519    | 14,805     | 49,626    | 294       | 142    | 227,455    |
| Superphosphate Used.. .. cwt.            | 72,771    | 183,121    | 32,839    | 63,511    | 35,542     | 144,751   | 702       | 531    | 533,768    |
| Other Artificial Fertilizers Used.. .. " | 180,079   | 383,820    | 147,578   | 65,184    | 251,210    | 23,222    | 1,576     | 566    | 1,053,235  |
| <b>Fruit and Vine Crops -</b>            |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 67,578    | 93,625     | 27,965    | 51,984    | 25,999     | 19,501    | 55        | 22     | 286,729    |
| Superphosphate Used.. .. cwt.            | 79,182    | 71,625     | 24,437    | 75,164    | 28,319     | 15,464    | 91        | 24     | 294,306    |
| Other Artificial Fertilizers Used.. .. " | 376,531   | 304,564    | 187,606   | 121,304   | 84,618     | 103,335   | 316       | 10     | 1,178,284  |
| <b>Sugar Cane -</b>                      |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 12,071    | -          | 328,627   | -         | -          | -         | -         | -      | 340,698    |
| Superphosphate Used.. .. cwt.            | 3,891     | -          | 238,553   | -         | -          | -         | -         | -      | 242,444    |
| Other Artificial Fertilizers Used.. .. " | 34,374    | -          | 1,201,793 | -         | -          | -         | -         | -      | 1,236,167  |
| <b>Other Crops -</b>                     |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 715,449   | 1,627,757  | 89,736    | 2,056,446 | 2,546,543  | 88,838    | (a)       | 1,786  | 7,126,555  |
| Superphosphate Used.. .. cwt.            | 560,353   | 1,681,790  | 85,342    | 1,971,276 | 2,342,458  | 152,975   | (a)       | 2,491  | 6,796,685  |
| Other Artificial Fertilizers Used.. .. " | 62,688    | 115,568    | 66,283    | 13,760    | 33,767     | 26,477    | (a)       | 94     | 318,637    |
| <b>Pastures -</b>                        |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 5,043,655 | 9,141,047  | 19,825    | 3,471,328 | 5,752,004  | 1,028,833 | 341       | 42,037 | 24,499,070 |
| Superphosphate Used.. .. cwt.            | 5,123,607 | 9,998,750  | 28,039    | 4,011,057 | 5,285,489  | 1,599,767 | 221       | 45,124 | 26,092,054 |
| Other Artificial Fertilizers Used.. .. " | 108,844   | 544,056    | 12,230    | 46,840    | 34,866     | 39,259    | 100       | 275    | 786,470    |
| <b>Total -</b>                           |           |            |           |           |            |           |           |        |            |
| Area Fertilized .. .. acres              | 8,396,426 | 13,222,034 | 500,740   | 7,149,974 | 12,134,009 | 1,195,873 | (b) 690   | 45,499 | 42,645,245 |
| Superphosphate Used.. .. cwt.            | 7,248,561 | 13,519,568 | 416,616   | 7,580,004 | 11,219,606 | 1,926,895 | (b) 1,014 | 49,717 | 41,961,981 |
| Other Artificial Fertilizers Used.. .. " | 765,464   | 1,372,676  | 1,616,214 | 252,557   | 405,007    | 192,425   | (b) 1,992 | 945    | 4,607,280  |

(a) Principally rice. Details not available for publication.

(b) Excludes "Other crops". See footnote (a).

**TABLE 17 : QUANTITY OF ARTIFICIAL FERTILIZERS USED**

(Tons)

| Season  | N.S.W.  | Vic.    | Q'd.    | S.A.    | W.A.    | Tas.    | N.T. | A.C.T. | Australia |
|---------|---------|---------|---------|---------|---------|---------|------|--------|-----------|
| 1955-56 | 307,608 | 653,591 | 99,075  | 380,782 | 468,108 | 82,967  | 67   | 2,982  | 1,995,180 |
| 1956-57 | 292,261 | 644,830 | 103,915 | 389,952 | 481,981 | 89,599  | 54   | 2,805  | 2,005,397 |
| 1957-58 | 337,865 | 739,322 | 114,681 | 418,539 | 539,192 | 99,042  | 156  | 3,189  | 2,251,986 |
| 1958-59 | 344,490 | 730,862 | 112,385 | 410,896 | 560,091 | 102,280 | 144  | 2,724  | 2,263,872 |
| 1959-60 | 400,701 | 744,612 | 101,642 | 391,628 | 581,231 | 105,966 | 150  | 2,533  | 2,328,463 |

**V. AREA OF LAND UNDER IRRIGATED CULTURE**

The area irrigated in 1959-60 for New South Wales and Victoria is not yet available. Details for other States are shown in Table 18 following and details for Australia as a whole for the years 1955-56 to 1958-59 are shown in Table 19.

**TABLE 18 : AREA OF LAND UNDER IRRIGATED CULTURE : STATES, 1959-60**

(Subject to revision.)

(Acres)

| Crop           | N.S.W. | Vic. | Q'd.      | S.A.    | W.A.   | Tas.   | N.T. | A.C.T. | Australia |
|----------------|--------|------|-----------|---------|--------|--------|------|--------|-----------|
| Rice           |        |      | -         | -       | (b)    | -      | (c)  | -      |           |
| Vegetables     |        |      | 27,207    | 10,149  | 8,447  | 1,235  | 130  | 128    |           |
| Orchards       |        |      | 5,212     | 22,315  | 7,642  | 2,350  | 39   | 1      |           |
| Vineyards      |        |      |           | 26,014  | 705    | -      | -    | -      |           |
| Sugar Cane     | (a)    | (a)  | 62,346    | -       | -      | -      | -    | -      | (a)       |
| Hops           |        |      | -         | -       | (b)    | 1,311  | -    | -      |           |
| Cotton         |        |      | 2,579     | -       | (b)    | -      | -    | -      |           |
| Other Crops(d) |        |      | (e)45,371 | 13,344  | 3,668  | 1,873  | 192  | 428    |           |
| Pastures       |        |      | 9,421     | 29,077  | 25,427 | 11,339 | 4    | 312    |           |
| <b>TOTAL:</b>  | (a)    | (a)  | 152,136   | 100,899 | 45,889 | 18,108 | 365  | 869    | (a)       |

(a) Not yet available. (b) Included with "Other Crops". (c) Not available for publication; excluded from "Total Crops". (d) Includes fodder and fallow land.

(e) Includes Tobacco, 9,256 acres.

**TABLE 19 : AREA OF LAND UNDER IRRIGATED CULTURE : AUSTRALIA, 1955-56 TO 1958-59**

(Acres)

| Crop                   | 1955-56   | 1956-57   | 1957-58   | 1958-59   |
|------------------------|-----------|-----------|-----------|-----------|
| Rice (a)               | 41,837    | 50,417    | 46,774    | 47,241    |
| Vegetables             | 71,380    | 82,090    | 87,373    | 81,563    |
| Orchards and Vineyards | 164,362   | 160,802   | 169,331   | 175,129   |
| Sugar Cane             | 58,762    | 57,158    | 69,980    | 65,613    |
| Hops                   | 1,248     | 1,330     | 1,381     | 1,292     |
| Cotton                 | 685       | 407       | 640       | 1,520     |
| Other Crops (b)        | 137,465   | 193,942   | 314,908   | 213,902   |
| Pastures               | 794,874   | 1,073,792 | 1,306,139 | 1,319,799 |
| <b>TOTAL:</b>          | 1,270,613 | 1,619,938 | 1,996,526 | 1,906,059 |

(a) Excludes Northern Territory. (b) Includes fodder and fallow land.

**VI. AERIAL AGRICULTURE**

Details of aerial agricultural operations as collected from aircraft operators by the Department of Civil Aviation for 1957-58, 1958-59 and 1959-60 appear in the table on the following page. The year ended 31st March, 1957 was the first year for which these data were available. Details shown in the table for area top dressed and superphosphate applied are, of course, also included in Section IV. Artificial fertilizers which cover both ground and aerial fertilizing.

Of the total area of 3,668,828 acres treated in 1959-60, 2,594,167 acres were topdressed and/or seeded, 960,788 acres were sprayed or dusted with insecticides, fungicides and herbicides, and 113,873 acres were baited for rabbit destruction. Compared with 1958-59 the total area treated increased by 62 per cent. The area topdressed and/or seeded was double that of the previous year whilst the area sprayed or dusted with insecticides, fungicides and herbicides increased by 5 per cent.

**TABLE 20 : AERIAL AGRICULTURE, STATES**  
**YEAR ENDED MARCH, 1960**

| State               | Total<br>Area<br>Treated (a) | Topdressing and Seeding |         |         |           |                     |         | Spraying and Dusting |            |            |           |
|---------------------|------------------------------|-------------------------|---------|---------|-----------|---------------------|---------|----------------------|------------|------------|-----------|
|                     |                              | Area Treated            |         |         |           | Materials Used      |         | Area Treated         |            |            |           |
|                     |                              | Super-<br>phosphate     | Seed    | Other   | Total (b) | Super-<br>phosphate | Seed    | Insecticides         | Fungicides | Herbicides | Total (b) |
|                     |                              | acres                   | acres   | acres   | acres     | tons                | lb.     | acres                | acres      | acres      | acres     |
| New South Wales     | (c)2,066,974                 | 1,765,577               | 223,352 | 100,630 | 1,951,819 | 91,773              | 271,477 | 45,068               | -          | 65,587     | 110,655   |
| Victoria            | (c)616,531                   | 370,597                 | 1,200   | 110,173 | 372,597   | 22,976              | 24,000  | 70,929               | -          | 67,556     | 134,561   |
| Queensland          | 165,709                      | 800                     | 89,864  | 578     | 90,442    | 80                  | 164,995 | 50,614               | 3,349      | 23,308     | 75,267    |
| South Australia     | 57,679                       | 28,564                  | 3,890   | -       | 32,314    | 1,725               | 19,500  | 18,019               | -          | 7,346      | 25,365    |
| Western Australia   | 698,126                      | 88,910                  | 28,304  | -       | 88,910    | 4,908               | 140,580 | 259,104              | -          | 357,186    | 609,216   |
| Tasmania            | 63,809                       | 58,005                  | 2,480   | -       | 58,085    | 4,367               | 162     | 5,596                | -          | 128        | 5,724     |
| AUSTRALIA : 1959-60 | (c)3,668,828                 | 2,312,453               | 349,090 | 211,381 | 2,594,167 | 125,829             | 620,714 | 449,330              | 3,349      | 521,111    | 960,788   |
| 1958-59             | (d)2,268,392                 | 1,151,235               | 214,912 | 68,217  | 1,335,575 | 63,364              | 373,994 | 378,576              | 2,073      | 467,547    | 835,957   |
| 1957-58             | 2,011,715                    | 1,384,218               | 287,473 | 49,023  | 1,552,502 | 79,165              | 447,814 | 242,421              | 6,287      | 213,274    | 459,213   |

(a) Excludes dingo baiting operations for which full details are not available.

(b) Area treated with more than one type of material in one operation is counted once only.

(c) Includes area baited for rabbit destruction; New South Wales, 4,500 acres, Victoria, 109,373 acres.

(d) Includes 97,660 acres baited for rabbit destruction.

NOTE: The information contained in this table has been collected by the Department of Civil Aviation.

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