2000–01 7121.0

Australian Bureau of Statistics

# AGRICULTURAL COMMODITIES

AUSTRALIA

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■ For more information about these and related statistics, contact either the National Information and Referral Service on 1300 135 070, or Jackie Saarinen on Hobart 03 6222 5948.

# NOTES

## ABOUT THIS PUBLICATION

This publication contains final estimates for the main commodities collected in the 2000–01 Agricultural Census. It contains detailed statistics on crops, livestock and livestock products, land management and characteristics of farms. Also included are detailed statistics on the value of agricultural commodities produced (VACP).

Some of the 2000–01 Agricultural Census data in this publication have undergone significant change since the release of preliminary estimates on 30 October 2001. Analysis has indicated that the early estimates were high due to problems with the survey selection frame. It will be necessary to revise Agricultural Survey estimates for previous years. Technical Notes beginning on page 36 of this publication provide details of the problems experienced and the actions taken to address the related issues.

## CHANGES IN THIS ISSUE

This publication contains estimates for 2000–01 only. The reasons for not including data from the two previous collection periods are outlined in the Technical Notes on page 36.

Dennis Trewin
Australian Statistician

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# 1 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By state—As at 30 June 2001

| *ANZSIC code* | *Description* | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|---|
| 0111 | Plant nurseries | 878 | 425 | 680 | 148 | 197 | 58 | 18 | 7 | 2 411 |
| 0112 | Cut flower and flower seed growing | 310 | 242 | 214 | 107 | 150 | 44 | 7 | — | 1 073 |
| 0113 | Vegetable growing | 843 | 1 029 | 1 463 | 560 | 571 | 589 | 11 | — | 5 065 |
| 0114 | Grape growing | 1 213 | 2 411 | 157 | 2 442 | 537 | 111 | 4 | 4 | 6 879 |
| 0115 | Apple and pear growing | 195 | 349 | 79 | 106 | 189 | 127 | — | 2 | 1 047 |
| 0116 | Stone fruit growing | 435 | 283 | 83 | 236 | 195 | 40 | — | — | 1 272 |
| 0117 | Kiwi fruit growing | 18 | 13 | 9 | — | 5 | — | — | — | 44 |
| 0119 | Fruit growing n.e.c. | 2 067 | 507 | 2 194 | 678 | 413 | 70 | 111 | 1 | 6 042 |
| 0121 | Grain growing | 4 364 | 3 198 | 1 590 | 4 220 | 2 908 | 32 | 3 | 1 | 16 314 |
| 0122 | Grain–sheep/beef cattle farming | 6 196 | 2 987 | 1 513 | 2 056 | 3 104 | 61 | — | — | 15 917 |
| 0123 | Sheep–beef cattle farming | 4 052 | 2 436 | 889 | 836 | 520 | 345 | — | 26 | 9 104 |
| 0124 | Sheep farming | 5 011 | 4 032 | 461 | 1 405 | 1 430 | 690 | — | 28 | 13 056 |
| 0125 | Beef cattle farming | 10 985 | 7 763 | 11 751 | 1 172 | 2 071 | 1 075 | 212 | 22 | 35 051 |
| 0130 | Dairy cattle farming | 1 901 | 7 605 | 1 604 | 707 | 428 | 671 | 1 | 1 | 12 918 |
| 0141 | Poultry farming (meat) | 351 | 187 | 136 | 75 | 63 | 11 | 1 | — | 823 |
| 0142 | Poultry farming (eggs) | 145 | 115 | 112 | 44 | 86 | 14 | 5 | 1 | 522 |
| 0151 | Pig farming | 318 | 179 | 359 | 153 | 107 | 25 | 1 | — | 1 142 |
| 0152 | Horse farming | 605 | 418 | 480 | 98 | 132 | 63 | 4 | 1 | 1 801 |
| 0153 | Deer farming | 59 | 57 | 23 | 26 | 14 | 10 | — | — | 189 |
| 0159 | Livestock farming n.e.c. | 206 | 141 | 124 | 29 | 48 | 14 | 1 | — | 562 |
| 0161 | Sugar cane growing | 461 | — | 4 384 | — | 6 | — | — | — | 4 851 |
| 0162 | Cotton growing | 507 | — | 490 | — | — | — | — | — | 997 |
| 0169 | Crop and plant growing n.e.c. | 299 | 509 | 604 | 150 | 118 | 149 | 8 | 1 | 1 837 |
| *Agriculture* | | *41 421* | *34 885* | *29 397* | *15 246* | *13 288* | *4 197* | *387* | *96* | *138 917* |
| *All other industries* | | *530* | *344* | *245* | *191* | *187* | *89* | *12* | *2* | *1 599* |
| **Total all industries** | | **41 951** | **35 229** | **29 643** | **15 436** | **13 475** | **4 286** | **399** | **98** | **140 516** |

# 2 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By EVAO—As at 30 June 2001

ESTIMATED VALUE OF AGRICULTURAL OPERATIONS ($'000)

| ANZSIC Code | Description | Less than 22.5(a) | 22.5–49.9 | 50.0–99.9 | 100.0–149.9 | 150.0–199.9 | 200.0–349.9 | 350.0–499.9 | 500.0–999.9 | 1 000.0–1999.9 | 2 000.0 or more | Total establish-ments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0111 | Plant nurseries | 349 | 427 | 563 | 232 | 235 | 251 | 119 | 145 | 56 | 33 | 2 411 |
| 0112 | Cut flower and flower seed growing | 181 | 262 | 283 | 103 | 47 | 95 | 40 | 38 | 12 | 11 | 1 073 |
| 0113 | Vegetable growing | 585 | 734 | 797 | 497 | 368 | 697 | 364 | 542 | 310 | 170 | 5 065 |
| 0114 | Grape growing | 764 | 1 326 | 1 860 | 1 005 | 530 | 682 | 266 | 281 | 101 | 63 | 6 879 |
| 0115 | Apple and pear growing | 78 | 94 | 146 | 129 | 98 | 173 | 94 | 135 | 63 | 36 | 1 047 |
| 0116 | Stone fruit growing | 272 | 249 | 260 | 132 | 76 | 141 | 54 | 56 | 22 | 11 | 1 272 |
| 0117 | Kiwi fruit growing | 10 | 12 | 7 | 6 | 4 | *1 | 2 | *1 | — | *1 | 44 |
| 0119 | Fruit growing n.e.c. | 1 581 | 1 024 | 1 088 | 586 | 355 | 612 | 247 | 321 | 146 | 83 | 6 042 |
| 0121 | Grain growing | 632 | 915 | 1 618 | 1 563 | 1 628 | 3 701 | 2 418 | 2 959 | 748 | 133 | 16 314 |
| 0122 | Grain–sheep/beef cattle farming | 533 | 1 462 | 2 885 | 2 512 | 2 103 | 3 558 | 1 421 | 1 201 | 212 | 31 | 15 917 |
| 0123 | Sheep–beef cattle farming | 1 111 | 1 618 | 2 164 | 1 364 | 817 | 1 164 | 476 | 327 | 58 | 5 | 9 104 |
| 0124 | Sheep farming | 3 131 | 2 718 | 2 971 | 1 566 | 915 | 1 172 | 327 | 224 | 27 | 5 | 13 056 |
| 0125 | Beef cattle farming | 13 882 | 8 549 | 5 410 | 2 180 | 1 226 | 1 760 | 732 | 805 | 304 | 202 | 35 051 |
| 0130 | Dairy cattle farming | 313 | 620 | 1 413 | 1 862 | 2 054 | 4 055 | 1 406 | 1 027 | 151 | 16 | 12 918 |
| 0141 | Poultry farming (meat) | 41 | 19 | 35 | 39 | 26 | 138 | 135 | 279 | 82 | 30 | 823 |
| 0142 | Poultry farming (eggs) | 59 | 34 | 55 | 26 | 30 | 91 | 38 | 102 | 44 | 43 | 522 |
| 0151 | Pig farming | 90 | 88 | 156 | 106 | 91 | 196 | 105 | 169 | 78 | 63 | 1 142 |
| 0152 | Horse farming | 758 | 508 | 284 | 96 | 60 | 59 | 17 | 10 | 5 | 4 | 1 801 |
| 0153 | Deer farming | 101 | 53 | 23 | 10 | — | *1 | 1 | — | — | — | 189 |
| 0159 | Livestock farming n.e.c. | 395 | 78 | 44 | 17 | 7 | 7 | 4 | 5 | 2 | 2 | 562 |
| 0161 | Sugar cane growing | 108 | 359 | 1 147 | 1 025 | 638 | 969 | 330 | 224 | 41 | 11 | 4 851 |
| 0162 | Cotton growing | *1 | *4 | 11 | 21 | 30 | 111 | 109 | 267 | 243 | 201 | 997 |
| 0169 | Crop and plant growing n.e.c. | 460 | 384 | 369 | 217 | 96 | 133 | 66 | 69 | 16 | 28 | 1 837 |
| *Agriculture* | | *25 437* | *21 537* | *23 588* | *15 291* | *11 436* | *19 768* | *8 772* | *9 186* | *2 720* | *1 181* | *138 917* |
| *All other industries* | | *544* | *354* | *278* | *122* | *67* | *103* | *54* | *48* | *17* | *13* | *1 599* |
| **Total all industries** | | **25 982** | **21 892** | **23 866** | **15 413** | **11 502** | **19 871** | **8 826** | **9 234** | **2 736** | **1 195** | **140 516** |

(a) Establishments with EVAO of less than $5,000 on the population frame are not in the scope of the survey, however some respondents may report activity below this level in the survey.

# 3 ESTABLISHMENTS WITH AGRICULTURAL ACTIVITY, By area—As at 30 June 2001

AREA OF HOLDING (ha)

| ANZSIC Code | Description | 0–49 | 50–99 | 100–499 | 500–999 | 1 000–2 499 | 2 500–24 999 | 25 000–99 999 | 100 000–199 999 | 200 000–499 999 | 500 000 or more | Total establishments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0111 | Plant nurseries | 2 092 | 143 | 144 | 20 | 7 | 4 | 1 | — | — | — | 2 411 |
| 0112 | Cut flower and flower seed growing | 870 | 83 | 88 | 16 | 15 | 2 | — | — | — | — | 1 073 |
| 0113 | Vegetable growing | 2 678 | 778 | 1 259 | 206 | 107 | 35 | 2 | — | — | — | 5 065 |
| 0114 | Grape growing | 5 395 | 607 | 718 | 81 | 58 | 20 | — | — | — | — | 6 879 |
| 0115 | Apple and pear growing | 675 | 163 | 187 | 20 | *2 | — | — | — | — | — | 1 047 |
| 0116 | Stone fruit growing | 1 014 | 129 | 112 | 8 | 6 | 2 | — | *1 | — | — | 1 272 |
| 0117 | Kiwi fruit growing | 29 | 7 | 7 | *1 | — | — | — | — | — | — | 44 |
| 0119 | Fruit growing n.e.c. | 4 462 | 785 | 633 | 79 | 59 | 22 | 2 | — | — | — | 6 042 |
| 0121 | Grain growing | 451 | 430 | 3 904 | 3 465 | 4 798 | 3 231 | 34 | *2 | — | — | 16 314 |
| 0122 | Grain–sheep/beef cattle farming | 268 | 295 | 3 987 | 4 077 | 4 842 | 2 387 | 58 | 2 | *1 | — | 15 917 |
| 0123 | Sheep–beef cattle farming | 301 | 465 | 3 171 | 1 978 | 1 649 | 1 105 | 351 | 45 | 34 | 5 | 9 104 |
| 0124 | Sheep farming | 823 | 921 | 5 213 | 2 608 | 1 844 | 1 117 | 373 | 95 | 56 | 7 | 13 056 |
| 0125 | Beef cattle farming | 5 058 | 5 556 | 13 408 | 3 667 | 2 997 | 3 190 | 635 | 167 | 276 | 97 | 35 051 |
| 0130 | Dairy cattle farming | 1 134 | 2 431 | 8 351 | 732 | 212 | 50 | 3 | 4 | *1 | — | 12 918 |
| 0141 | Poultry farming (meat) | 632 | 73 | 103 | 6 | 7 | 1 | — | — | — | 1 | 823 |
| 0142 | Poultry farming (eggs) | 356 | 54 | 73 | 17 | 20 | 2 | — | — | — | — | 522 |
| 0151 | Pig farming | 335 | 157 | 406 | 135 | 81 | 27 | 1 | — | — | — | 1 142 |
| 0152 | Horse farming | 824 | 384 | 474 | 70 | 21 | 23 | *2 | 2 | *1 | — | 1 801 |
| 0153 | Deer farming | 76 | 32 | 61 | 11 | 7 | 2 | — | — | — | — | 189 |
| 0159 | Livestock farming n.e.c. | 257 | 90 | 118 | 33 | 23 | 24 | 13 | *2 | *2 | — | 562 |
| 0161 | Sugar cane growing | 1 021 | 1 478 | 2 116 | 148 | 63 | 25 | — | — | — | — | 4 851 |
| 0162 | Cotton growing | 12 | 5 | 224 | 219 | 274 | 251 | 11 | 1 | — | — | 997 |
| 0169 | Crop and plant growing n.e.c. | 640 | 351 | 600 | 130 | 78 | 36 | *2 | — | — | — | 1 837 |
| *Agriculture* | | *29 401* | *15 417* | *45 357* | *17 727* | *17 167* | *11 556* | *1 489* | *321* | *372* | 109 | *138 917* |
| *All other industries* | | *613* | *256* | *486* | *103* | *92* | *43* | *6* | — | *1* | — | *1 599* |
| **Total all industries** | | **30 014** | **15 673** | **45 843** | **17 829** | **17 259** | **11 599** | **1 495** | **321** | **373** | **110** | **140 516** |

# 4 PRINCIPAL CROPS, Production—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Cereal for grain** | | | | | | | | | |
| Barley | | | | | | | | | |
| Production ('000 t) | 1 253 | 1 670 | 115 | 2 320 | 1 358 | 26 | (a) | — | 6 743 |
| Area ('000 ha) | 615 | 693 | 112 | 1 041 | 983 | 10 | (a) | — | 3 454 |
| Yield (t/ha) | 2.0 | 2.4 | 1.0 | 2.2 | 1.4 | 2.7 | . . | — | 2.0 |
| Grain sorghum | | | | | | | | | |
| Production ('000 t) | 770 | 4 | 1 156 | (a) | 4 | (a) | 1 | — | 1 935 |
| Area ('000 ha) | 258 | 2 | 494 | (a) | 2 | (a) | — | — | 758 |
| Yield (t/ha) | 3.0 | 2.0 | 2.3 | . . | 1.5 | . . | 2.6 | — | 2.6 |
| Maize | | | | | | | | | |
| Production ('000 t) | 178 | 8 | 159 | (a) | *— | (a) | — | — | 345 |
| Area ('000 ha) | 26 | 1 | 47 | (a) | *— | (a) | — | — | 74 |
| Yield (t/ha) | 6.7 | 9.2 | 3.4 | . . | 0.8 | . . | 5.4 | — | 4.7 |
| Oats | | | | | | | | | |
| Production ('000 t) | 246 | 351 | 6 | 117 | 317 | 13 | (a) | — | 1 050 |
| Area ('000 ha) | 168 | 140 | 13 | 75 | 248 | 7 | (a) | — | 650 |
| Yield (t/ha) | 1.5 | 2.5 | 0.5 | 1.6 | 1.3 | 1.9 | . . | 1.0 | 1.6 |
| Rice | | | | | | | | | |
| Production ('000 t) | 1 625 | 18 | (a) | (a) | *— | (a) | — | — | 1 643 |
| Area ('000 ha) | 175 | 2 | (a) | (a) | *— | (a) | — | — | 177 |
| Yield (t/ha) | 9.3 | 9.8 | . . | . . | *1.5 | . . | 2.5 | — | 9.3 |
| Triticale | | | | | | | | | |
| Production ('000 t) | 329 | 316 | 1 | 157 | 30 | 8 | (a) | — | 841 |
| Area ('000 ha) | 126 | 127 | 1 | 105 | 28 | 2 | (a) | — | 389 |
| Yield (t/ha) | 2.6 | 2.5 | 1.0 | 1.5 | 1.1 | 3.7 | . . | — | 2.2 |
| Wheat | | | | | | | | | |
| Production ('000 t) | 7 867 | 3 080 | 1 157 | 4 162 | 5 814 | 26 | (a) | 2 | 22 108 |
| Area ('000 ha) | 3 671 | 1 143 | 885 | 1 976 | 4 460 | 7 | (a) | 1 | 12 141 |
| Yield (t/ha) | 2.1 | 2.7 | 1.3 | 2.1 | 1.3 | 3.9 | . . | 3.3 | 1.8 |
| **Legumes** | | | | | | | | | |
| Lupins for grain | | | | | | | | | |
| Production ('000 t) | 127 | 47 | — | 98 | 783 | — | (a) | — | 1 055 |
| Area ('000 ha) | 92 | 34 | — | 67 | 987 | — | (a) | — | 1 180 |
| Yield (t/ha) | 1.4 | 1.4 | 0.6 | 1.5 | 0.8 | 1.9 | . . | — | 0.9 |
| Field peas for grain | | | | | | | | | |
| Production ('000 t) | 25 | 170 | — | 216 | 44 | 1 | (a) | — | 455 |
| Area ('000 ha) | 24 | 146 | 1 | 135 | 90 | — | (a) | — | 395 |
| Yield (t/ha) | 1.1 | 1.2 | 0.2 | 1.6 | 0.5 | 2.2 | . . | — | 1.2 |
| **Crops cut for hay** | | | | | | | | | |
| Cereal crops for hay | | | | | | | | | |
| Production ('000 t) | 252 | 329 | 145 | 472 | 449 | 8 | 1 | — | 1 657 |
| Area ('000 ha) | 49 | 66 | 58 | 104 | 141 | 2 | — | — | 419 |
| Yield (t/ha) | 5.2 | 5.0 | 2.5 | 4.6 | 3.2 | 5.1 | 6.4 | 3.6 | 4.0 |
| Non-cereal crops for hay | | | | | | | | | |
| Production ('000 t) | 12 | 45 | 21 | 15 | 16 | 3 | 2 | — | 115 |
| Area ('000 ha) | 4 | 13 | 11 | 4 | 7 | 1 | — | — | 42 |
| Yield (t/ha) | 2.9 | 3.4 | 1.9 | 3.5 | 2.3 | 3.5 | 4.5 | — | 2.8 |
| **Oilseeds** | | | | | | | | | |
| Canola | | | | | | | | | |
| Production ('000 t) | 836 | 380 | 1 | 204 | 353 | — | (a) | 1 | 1 775 |
| Area ('000 ha) | 523 | 261 | 3 | 154 | 517 | — | (a) | 1 | 1 459 |
| Yield (t/ha) | 1.6 | 1.5 | 0.5 | 1.3 | 0.7 | 1.4 | . . | 1.8 | 1.2 |
| *Total oilseeds* | | | | | | | | | |
| *Production ('000 t)* | *894* | *383* | *73* | *206* | *353* | — | — | *1* | *1 910* |
| *Area ('000 ha)* | *569* | *266* | *79* | *157* | *517* | — | — | *1* | *1 589* |
| *Yield (t/ha)* | . . | . . | . . | . . | . . | . . | . . | . . | . . |

(a) Data not collected.

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Other crops** | | | | | | | | | |
| Sugar cane cut for crushing | | | | | | | | | |
| Production ('000 t) | 1 826 | (a) | 25 867 | (a) | 423 | (a) | (a) | (a) | 28 117 |
| Area ('000 ha) | 18 | (a) | 382 | (a) | 3 | (a) | (a) | (a) | 403 |
| Yield (t/ha) | 102.5 | . . | 67.7 | . . | 122.2 | . . | . . | . . | 69.7 |
| Cotton lint | | | | | | | | | |
| Production ('000 t) | 454 | (a) | 211 | (a) | — | (a) | (a) | (a) | 666 |
| Area ('000 ha) | 351 | (a) | 185 | (a) | 1 | (a) | (a) | (a) | 536 |
| Yield (t/ha) | 1.3 | . . | 1.1 | . . | 0.4 | . . | . . | . . | 1.2 |
| Peanuts (in shell) | | | | | | | | | |
| Production ('000 t) | 1 | (a) | 37 | (a) | (a) | (a) | — | (a) | 39 |
| Area ('000 ha) | 1 | (a) | 17 | (a) | (a) | (a) | — | (a) | 17 |
| Yield (t/ha) | 1.8 | . . | 2.2 | . . | . . | . . | 3.2 | . . | 2.2 |
| Tobacco | | | | | | | | | |
| Production ('000 t) | (a) | 4 | 2 | (a) | (a) | (a) | (a) | (a) | 6 |
| Area ('000 ha) | (a) | 1 | 1 | (a) | (a) | (a) | (a) | (a) | 2 |
| Yield (t/ha) | . . | 2.6 | 2.5 | . . | . . | . . | . . | . . | 2.6 |
| **Pastures and grasses cut for hay** | | | | | | | | | |
| Lucerne | | | | | | | | | |
| Production ('000 t) | 513 | 247 | 207 | 98 | 16 | 12 | 1 | 1 | 1 096 |
| Area ('000 ha) | 90 | 45 | 29 | 32 | 3 | 3 | — | — | 203 |
| Yield (t/ha) | 5.7 | 5.5 | 7.1 | 3.1 | 5.3 | 3.9 | 4.0 | 3.4 | 5.4 |
| Other | | | | | | | | | |
| Production ('000 t) | 322 | 2 231 | 82 | 278 | 345 | 264 | 42 | 1 | 3 565 |
| Area ('000 ha) | 91 | 501 | 27 | 80 | 92 | 54 | 12 | — | 857 |
| Yield (t/ha) | 3.6 | 4.5 | 3.1 | 3.5 | 3.8 | 4.9 | 3.4 | 4.1 | 4.2 |
| *Total cut for hay* | | | | | | | | | |
| *Production ('000 t)* | *836* | *2 478* | *288* | *377* | *361* | *277* | *43* | *1* | *4 661* |
| *Area ('000 ha)* | *181* | *546* | *56* | *112* | *95* | *57* | *13* | — | *1 060* |
| *Yield (t/ha)* | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| **Pasture seed** | | | | | | | | | |
| Production ('000 t) | 2 | 6 | 1 | 6 | 2 | 2 | — | — | 19 |
| Area ('000 ha) | 26 | 24 | 30 | 43 | 14 | 2 | — | — | 140 |
| Yield (t/ha) | 0.1 | 0.3 | — | 0.1 | 0.1 | 0.7 | 0.3 | 0.1 | 0.1 |

(a) Data not collected.

# 5 FRUIT AND NUTS, Production(a)—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Citrus** | | | | | | | | | |
| Oranges | | | | | | | | | |
| Production (t) | 258 124 | 80 531 | 15 671 | 189 352 | 6 512 | (b) | 10 | — | 550 200 |
| Trees ('000) | 3 391 | 1 137 | 190 | 1 777 | 174 | (b) | — | — | 6 669 |
| Yield (kg/tree) | 76.1 | 70.8 | 82.4 | 106.6 | 37.4 | . . | 66.7 | — | 82.5 |
| Lemons and limes | | | | | | | | | |
| Production (t) | 6 509 | 6 447 | 9 401 | 12 657 | 1 146 | (b) | 37 | — | 36 197 |
| Trees ('000) | 108 | 96 | 102 | 83 | 15 | (b) | 1 | — | 404 |
| Yield (kg/tree) | 60.1 | 67.3 | 92.6 | 153.1 | 78.9 | . . | 38.4 | — | 89.7 |
| Mandarins | | | | | | | | | |
| Production (t) | 4 743 | 5 104 | 49 487 | 17 814 | 1 762 | (b) | 2 | — | 78 913 |
| Trees ('000) | 136 | 105 | 871 | 193 | 52 | (b) | — | — | 1 356 |
| Yield (kg/tree) | 35.0 | 48.8 | 56.8 | 92.2 | 34.2 | . . | 31.2 | — | 58.2 |
| **Pome** | | | | | | | | | |
| Apples | | | | | | | | | |
| Production (t) | 58 790 | 109 489 | 29 123 | 25 965 | 45 105 | 56 105 | (b) | 20 | 324 599 |
| Trees ('000) | 1 386 | 1 753 | 682 | 686 | 843 | 1 102 | (b) | 1 | 6 455 |
| Yield (kg/tree) | 42.4 | 62.5 | 42.7 | 37.8 | 53.5 | 50.9 | . . | 14.2 | 50.3 |
| Pears (excl. Nashi) | | | | | | | | | |
| Production (t) | 1 348 | 148 807 | 864 | 5 804 | 11 574 | 499 | (b) | — | 168 896 |
| Trees ('000) | 38 | 1 090 | 19 | 79 | 130 | 17 | (b) | — | 1 373 |
| Yield (kg/tree) | 35.6 | 136.5 | 45.3 | 73.9 | 89.1 | 29.4 | . . | 105.0 | 123.0 |
| **Stone** | | | | | | | | | |
| Apricots | | | | | | | | | |
| Production (t) | 492 | 11 904 | 145 | 7 334 | 469 | 296 | (b) | — | 20 639 |
| Trees ('000) | 20 | 224 | 20 | 197 | 15 | 22 | (b) | — | 498 |
| Yield (kg/tree) | 24.7 | 53.2 | 7.3 | 37.2 | 30.5 | 13.6 | . . | — | 41.5 |
| Cherries | | | | | | | | | |
| Production (t) | 3 513 | 2 856 | 4 | 1 269 | 191 | 653 | (b) | — | 8 485 |
| Trees ('000) | 473 | 151 | *2 | 132 | 29 | 75 | (b) | — | 861 |
| Yield (kg/tree) | 7.4 | 19.0 | ** | 9.7 | 6.5 | 8.7 | . . | — | 9.9 |
| Nectarines | | | | | | | | | |
| Production (t) | 7 411 | 17 905 | 2 581 | 1 779 | 3 918 | 67 | (b) | — | 33 661 |
| Trees ('000) | 279 | 400 | 175 | 52 | 164 | 1 | (b) | — | 1 072 |
| Yield (kg/tree) | 26.6 | 44.8 | 14.7 | 34.2 | 23.9 | 50.1 | . . | — | 31.4 |
| Olives | | | | | | | | | |
| Production (t) | 467 | 402 | 141 | 1 241 | 108 | 12 | — | — | 2 370 |
| Trees ('000) | 18 | 61 | 6 | 56 | 3 | 1 | — | — | 145 |
| Yield (kg/tree) | 25.5 | 6.6 | 22.4 | 22.2 | 33.9 | 17.5 | — | — | 16.3 |
| Peaches | | | | | | | | | |
| Production (t) | 13 866 | 50 878 | 3 070 | 3 790 | 2 463 | 76 | (b) | — | 74 142 |
| Trees ('000) | 534 | 773 | 186 | 73 | 106 | 1 | (b) | — | 1 674 |
| Yield (kg/tree) | 26.0 | 65.8 | 16.5 | 51.8 | 23.1 | 59.6 | . . | — | 44.3 |
| Plums and prunes | | | | | | | | | |
| Production (t) | 9 952 | 8 105 | 1 701 | 3 717 | 7 811 | *11 | — | — | 31 298 |
| Trees ('000) | 558 | 250 | 124 | 85 | 308 | *3 | — | — | 1 328 |
| Yield (kg/tree) | 17.8 | 32.4 | 13.7 | 43.7 | 25.4 | *4.4 | — | 30.0 | 23.6 |
| **Other orchard fruit** | | | | | | | | | |
| Avocados | | | | | | | | | |
| Production (t) | 4 338 | 1 162 | 20 689 | 1 110 | 2 534 | (b) | — | — | 29 834 |
| Trees ('000) | 108 | 38 | 280 | 28 | 50 | (b) | — | — | 504 |
| Yield (kg/tree) | 40.2 | 30.6 | 73.8 | 40.2 | 50.2 | . . | — | — | 59.1 |
| Mangoes | | | | | | | | | |
| Production (t) | 386 | (b) | 28 233 | (b) | 2 060 | (b) | 6 718 | — | 37 398 |
| Trees ('000) | 39 | (b) | 812 | (b) | 56 | (b) | 110 | — | 1 017 |
| Yield (kg/tree) | 9.8 | . . | 34.8 | . . | 36.9 | . . | 61.2 | — | 36.8 |

(a) Number of trees and yield is based on trees six years and over. Information on the total number of trees is available on request.

(b) Data not collected.

# 5 FRUIT AND NUTS, Production(a)—Year ended 30 June 2001 *continued*

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Nuts** | | | | | | | | | |
| Almond (kernel) | | | | | | | | | |
| Production (t) | 291 | 4 982 | — | 4 201 | (b) | (b) | (b) | — | 9 475 |
| Trees ('000) | 34 | 437 | *— | 484 | (b) | (b) | (b) | — | 955 |
| Yield (kg/tree) | 8.6 | 11.4 | — | 8.7 | . . | . . | . . | — | 9.9 |
| Macadamia | | | | | | | | | |
| Production (t) | 14 180 | (b) | 8 511 | (b) | (b) | (b) | (b) | — | 22 691 |
| Trees ('000) | 1 369 | (b) | 1 037 | (b) | (b) | (b) | (b) | — | 2 406 |
| Yield (kg/tree) | 10.4 | . . | 8.2 | . . | . . | . . | . . | — | 9.4 |
| **Blueberries** | | | | | | | | | |
| Production (t) | 1 839 | 148 | (b) | (b) | (b) | 73 | (b) | — | 2 060 |
| Area (ha) | 354 | 48 | (b) | (b) | (b) | 23 | (b) | — | 424 |
| Yield (t/ha) | 5.2 | 3.1 | . . | . . | . . | 3.2 | . . | — | 4.9 |
| **Strawberries** | | | | | | | | | |
| Production (t) | 188 | 5 868 | 5 275 | 1 600 | 2 390 | 243 | — | — | 15 566 |
| Area (ha) | 32 | 334 | 356 | 71 | 101 | 25 | — | — | 919 |
| Yield (t/ha) | 5.9 | 17.6 | 14.8 | 22.4 | 23.7 | 9.6 | — | — | 16.9 |
| **Tropical** | | | | | | | | | |
| Bananas | | | | | | | | | |
| Production (t) | 43 495 | (b) | 301 741 | (b) | 6 160 | (b) | 6 992 | — | 358 388 |
| Area (ha) | 2 413 | (b) | 8 813 | (b) | 260 | (b) | 250 | — | 11 737 |
| Yield (t/ha) | 18.0 | . . | 34.2 | . . | 23.7 | . . | 28.0 | — | 30.5 |
| Pawpaws | | | | | | | | | |
| Production (t) | 4 | (b) | 9 401 | (b) | 217 | (b) | — | — | 9 622 |
| Area (ha) | 5 | (b) | 523 | (b) | 9 | (b) | — | — | 537 |
| Yield (t/ha) | 0.8 | . . | 18.0 | . . | 25.5 | . . | — | — | 17.9 |
| Pineapples | | | | | | | | | |
| Production (t) | *12 | (b) | 119 606 | (b) | (b) | (b) | — | — | 119 618 |
| Area (ha) | *1 | (b) | 2 733 | (b) | (b) | (b) | — | — | 2 733 |
| Yield (t/ha) | *20.2 | . . | 43.8 | . . | . . | . . | — | — | 43.8 |

(a) Number of trees and yield is based on trees six years and over. Information on the total number of trees is available on request.

(b) Data not collected.

# 6 VEGETABLES, Production—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Asparagus** | | | | | | | | | |
| Production (t) | 1 533 | 9 431 | 1 310 | — | 232 | 2 | 1 | — | 12 508 |
| Area (ha) | 284 | 1 566 | 508 | — | 45 | 4 | — | — | 2 407 |
| Yield (t/ha) | 5.4 | 6.0 | 2.6 | — | 5.1 | 0.5 | 5.0 | — | 5.2 |
| **Beans, french and runner** | | | | | | | | | |
| Production (t) | 983 | 1 909 | 16 284 | *77 | *905 | 12 593 | 40 | — | 32 792 |
| Area (ha) | 560 | 728 | 3 538 | 48 | *309 | 1 444 | 5 | — | 6 632 |
| Yield (t/ha) | 1.8 | 2.6 | 4.6 | *1.6 | 2.9 | 8.7 | 7.8 | — | 4.9 |
| **Beetroot** | | | | | | | | | |
| Production (t) | 2 190 | 900 | 36 057 | 364 | 104 | *1 | — | — | 39 615 |
| Area (ha) | 69 | 57 | 1 014 | 19 | 13 | *— | — | — | 1 172 |
| Yield (t/ha) | 31.6 | 15.7 | 35.6 | 19.2 | 8.3 | 3.0 | — | — | 33.8 |
| **Broccoli** | | | | | | | | | |
| Production (t) | 1 149 | 20 860 | 10 564 | 1 955 | 4 545 | 6 952 | — | — | 46 024 |
| Area (ha) | 757 | 3 262 | 1 471 | 271 | 438 | 860 | — | — | 7 059 |
| Yield (t/ha) | 1.5 | 6.4 | 7.2 | 7.2 | 10.4 | 8.1 | — | — | 6.5 |
| **Cabbages** | | | | | | | | | |
| Production (t) | 17 804 | 29 276 | 16 924 | 4 052 | 10 554 | 2 165 | — | — | 80 775 |
| Area (ha) | 461 | 790 | 404 | 113 | 140 | 75 | — | — | 1 983 |
| Yield (t/ha) | 38.6 | 37.1 | 41.9 | 36.0 | 75.2 | 28.7 | — | — | 40.7 |
| **Capsicums, chillies and peppers** | | | | | | | | | |
| Production (t) | 469 | 2 389 | 36 853 | 743 | 1 295 | 5 | — | — | 41 753 |
| Area (ha) | 85 | 144 | 2 043 | 80 | 148 | 2 | — | — | 2 502 |
| Yield (t/ha) | 5.5 | 16.6 | 18.0 | 9.2 | 8.7 | *2.5 | — | — | 16.7 |
| **Carrots** | | | | | | | | | |
| Production (t) | 29 095 | 100 264 | 23 866 | 46 881 | 80 276 | 40 526 | — | — | 320 908 |
| Area (ha) | 1 032 | 2 743 | 760 | 1 020 | 1 731 | 706 | — | — | 7 992 |
| Yield (t/ha) | 28.2 | 36.6 | 31.4 | 46.0 | 46.4 | 57.4 | — | — | 40.2 |
| **Cauliflowers** | | | | | | | | | |
| Production (t) | 12 346 | 17 052 | 15 248 | 5 436 | 19 300 | 6 356 | — | — | 75 737 |
| Area (ha) | 487 | 1 118 | 910 | 241 | 1 211 | 288 | — | — | 4 255 |
| Yield (t/ha) | 25.4 | 15.3 | 16.8 | 22.5 | 15.9 | 22.1 | — | — | 17.8 |
| **Celery** | | | | | | | | | |
| Production (t) | 688 | 28 264 | 11 887 | 923 | 2 997 | 367 | — | — | 45 125 |
| Area (ha) | 15 | 558 | 223 | 35 | 200 | 13 | — | — | 1 043 |
| Yield (t/ha) | 45.3 | 50.7 | 53.3 | 26.7 | 15.0 | 28.0 | — | — | 43.3 |
| **Cucumbers** | | | | | | | | | |
| Production (t) | 1 358 | 219 | 4 817 | 1 451 | 1 812 | 34 | 46 | — | 9 736 |
| Area (ha) | 507 | 10 | 506 | 82 | 89 | 6 | 6 | — | 1 205 |
| Yield (t/ha) | 2.7 | 23.1 | 9.5 | 17.7 | 20.3 | 5.3 | 8.3 | — | 8.1 |
| **Green peas** | | | | | | | | | |
| Processing | | | | | | | | | |
| Production (t) | *207 | 24 | 1 217 | *4 | 432 | 23 979 | — | — | 25 864 |
| Area (ha) | *60 | 11 | 222 | *6 | 379 | 4 608 | — | — | 5 286 |
| Yield (t/ha) | 3.5 | 2.2 | 5.5 | *0.6 | 1.1 | 5.2 | — | — | 4.9 |
| Sold in pod | | | | | | | | | |
| Production (t) | 256 | 226 | 162 | *2 | *2 | 111 | — | — | 758 |
| Area (ha) | 146 | 236 | 79 | *2 | *4 | 75 | — | — | 542 |
| Yield (t/ha) | 1.8 | 1.0 | 2.1 | 0.7 | *0.7 | 1.5 | — | — | 1.4 |

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Lettuces** | | | | | | | | | |
| Production (t) | 25 274 | 42 948 | 48 300 | 8 674 | 25 233 | 2 289 | 24 | — | 152 742 |
| Area (ha) | 1 046 | 2 093 | 1 729 | 279 | 467 | 143 | 2 | — | 5 758 |
| Yield (t/ha) | 24.2 | 20.5 | 27.9 | 31.1 | 54.0 | 16.0 | 12.0 | — | 26.5 |
| **Marrows, squashes and zucchini** | | | | | | | | | |
| Production (t) | 1 364 | 1 591 | 13 140 | 392 | 1 062 | 444 | 73 | — | 18 065 |
| Area (ha) | 249 | 232 | 1 852 | 27 | 127 | 61 | 13 | — | 2 561 |
| Yield (t/ha) | 5.5 | 6.9 | 7.1 | 14.4 | 8.4 | 7.3 | 5.6 | — | 7.1 |
| **Melons** | | | | | | | | | |
| Water | | | | | | | | | |
| Production (t) | 9 129 | 3 784 | 61 834 | 405 | 27 417 | — | 3 273 | — | 105 842 |
| Area (ha) | 539 | 109 | 3 065 | 14 | 1 086 | — | 137 | — | 4 950 |
| Yield (t/ha) | 17.0 | 34.7 | 20.2 | 28.5 | 25.3 | — | 23.9 | — | 21.4 |
| Rock and cantaloupe | | | | | | | | | |
| Production (t) | 34 983 | 7 304 | 31 129 | 5 212 | 12 972 | — | 352 | — | 91 952 |
| Area (ha) | 1 000 | 401 | 1 515 | 220 | 755 | — | 50 | — | 3 941 |
| Yield (t/ha) | 35.0 | 18.2 | 20.6 | 23.7 | 17.2 | — | 7.0 | — | 23.3 |
| **Mushrooms(a)** | | | | | | | | | |
| Production (t) | 11 856 | 12 661 | 7 020 | 3 177 | n.p. | 1 214 | — | — | 35 928 |
| Area (ha) | 39 | 17 | 18 | 11 | n.p. | 2 | — | — | 86 |
| Yield (t/ha) | 306.7 | 744.8 | 391.5 | 292.3 | n.p. | 619.5 | — | — | 415.7 |
| **Onions, white and brown** | | | | | | | | | |
| Production (t) | 39 529 | 20 985 | 19 551 | 83 069 | 16 572 | 42 215 | — | — | 221 921 |
| Area (ha) | 969 | 462 | 573 | 1 725 | 289 | 973 | — | — | 4 991 |
| Yield (t/ha) | 40.8 | 45.4 | 34.1 | 48.2 | 57.4 | 43.4 | — | — | 44.5 |
| **Parsnips** | | | | | | | | | |
| Production (t) | 635 | 8 535 | *36 | *513 | 373 | 268 | — | — | 10 360 |
| Area (ha) | 36 | 313 | *2 | *17 | 27 | 20 | — | — | 415 |
| Yield (t/ha) | 17.9 | 27.3 | *15.1 | *30.2 | 13.7 | 13.2 | — | — | 24.9 |
| **Potatoes** | | | | | | | | | |
| Production (t) | 160 093 | 296 973 | 115 817 | 322 727 | 75 482 | 331 019 | — | — | 1 302 110 |
| Area (ha) | 6 852 | 9 608 | 4 761 | 9 093 | 1 778 | 7 532 | — | — | 39 622 |
| Yield (t/ha) | 23.4 | 30.9 | 24.3 | 35.5 | 42.5 | 44.0 | — | — | 32.9 |
| **Pumpkins** | | | | | | | | | |
| Production (t) | 25 212 | 9 112 | 50 166 | 7 870 | 14 788 | 1 568 | 663 | — | 109 380 |
| Area (ha) | 1 753 | 517 | 4 576 | 378 | 864 | 95 | 68 | — | 8 251 |
| Yield (t/ha) | 14.4 | 17.6 | 11.0 | 20.8 | 17.1 | 16.5 | 9.8 | — | 13.3 |
| **Sweet corn** | | | | | | | | | |
| Production (t) | 53 516 | 6 163 | 26 447 | 1 219 | 2 165 | 367 | — | — | 89 877 |
| Area (ha) | 3 508 | 583 | 2 274 | 77 | 215 | 28 | — | — | 6 684 |
| Yield (t/ha) | 15.3 | 10.6 | 11.6 | 15.9 | 10.1 | 13.1 | — | — | 13.5 |
| **Tomatoes** | | | | | | | | | |
| Production (t) | 103 176 | 329 198 | 106 999 | 2 074 | 13 286 | 1 506 | 2 | — | 556 240 |
| Area (ha) | 1 626 | 4 602 | 2 843 | 134 | 360 | 15 | 2 | — | 9 582 |
| Yield (t/ha) | 63.5 | 71.5 | 37.6 | 15.5 | 36.9 | 100.4 | 1.0 | — | 58.1 |
| **Total area of vegetables (ha)** | **23 265** | **32 522** | **37 648** | **14 650** | **11 464** | **17 277** | **310** | **—** | **137 137** |

(a) Australian total excludes establishments in Western Australia.

# 7 GRAPES(a), Production—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **AREA OF VINES AT HARVEST (ha)** | | | | | | | | | |
| Bearing | 31 043 | 32 301 | 1 984 | 54 996 | 9 271 | 680 | 302 | 15 | 130 591 |
| Not yet bearing: planted or grafted prior to collection year | 2 307 | 2 808 | 221 | 4 423 | 1 093 | 146 | 18 | 65 | 11 081 |
| Not yet bearing: planted or grafted during collection year | 1 209 | 1 815 | 130 | 2 744 | 553 | 99 | 30 | 6 | 6 586 |
| **Total area of vines** | **34 559** | **36 924** | **2 335** | **62 163** | **10 917** | **925** | **349** | **86** | **148 258** |
| **GRAPE PRODUCTION (fresh weight)(t)** | | | | | | | | | |
| Winemaking | 323 687 | 327 554 | 2 449 | 670 758 | 61 537 | 4 974 | 3 | 113 | 1 391 074 |
| Drying | 14 066 | 71 752 | 145 | 3 066 | 1 212 | — | 1 | — | 90 241 |
| Table and other | 10 956 | 40 385 | 4 909 | 2 124 | 3 922 | — | 2 392 | — | 64 686 |
| **Total production** | **348 709** | **439 691** | **7 504** | **675 947** | **66 671** | **4 974** | **2 395** | **113** | **1 546 002** |
| Yield (t/ha)(b) | 11.2 | 13.6 | 3.8 | 12.3 | 7.2 | 7.3 | 7.9 | 7.5 | 11.8 |

(a) Varietal information is available in *Australian Wine and Grape Industry* (cat. no. 1329.0).

(b) Yield represents the quantity of grapes produced per hectare of bearing vines.

# 8 LIVESTOCK SLAUGHTERINGS AND PRODUCTS—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Livestock slaughterings(a)(b)** | | | | | | | | | |
| Cattle ('000) | 1 828 | 1 524 | 3 657 | 317 | 415 | 184 | 16 | — | 7 941 |
| Calves ('000) | 226 | 609 | 135 | 12 | 6 | 50 | 1 | — | 1 038 |
| Sheep ('000) | 5 858 | 4 193 | 1 489 | 1 488 | 3 235 | 365 | — | — | 16 628 |
| Lambs ('000) | 4 203 | 8 090 | 1 024 | 2 875 | 2 020 | 416 | — | — | 18 629 |
| Pigs ('000) | 1 740 | 1 066 | 1 078 | 526 | 543 | 58 | 7 | — | 5 016 |
| Chickens ('000)(c)(d) | 151 687 | 104 080 | 68 002 | n.p. | n.p. | n.p. | n.p. | n.p. | 398 869 |
| **Livestock products** | | | | | | | | | |
| Meat(a)(e) | | | | | | | | | |
| Beef ('000 t) | 461 | 355 | 1 035 | 83 | 101 | 49 | 3 | — | 2 086 |
| Veal ('000 t) | 14 | 12 | 6 | — | — | 1 | — | — | 33 |
| Mutton ('000 t) | 127 | 84 | 28 | 36 | 65 | 7 | — | — | 348 |
| Lamb ('000 t) | 83 | 158 | 20 | 62 | 37 | 8 | — | — | 367 |
| Pig meat ('000 t) | 130 | 79 | 79 | 37 | 37 | 4 | — | — | 365 |
| Chicken meat ('000 t) (d)(f) | 244 | 176 | 94 | n.p. | n.p. | n.p. | n.p. | n.p. | 619 |
| Wool(g) | | | | | | | | | |
| Shorn wool (incl. crutchings) (t) | 219 353 | 110 539 | 48 820 | 75 787 | 120 909 | 14 044 | — | 407 | 589 859 |
| Other wool (t)(h) | 15 051 | 18 778 | 3 770 | 6 846 | 9 604 | 1 174 | — | 34 | 55 256 |
| *Total wool produced (t)* | *234 404* | *129 317* | *52 590* | *82 633* | *130 513* | *15 218* | — | *441* | *645 115* |
| Whole milk (ML)(i)(j) | 1 326 | 6 777 | 760 | 699 | 393 | 590 | n.p. | n.p. | 10 545 |
| Eggs ('000 dozen) | 62 214 | 55 566 | 38 526 | 13 003 | 22 777 | 4 292 | 1 825 | 4 961 | 203 163 |
| **Beekeeping** | | | | | | | | | |
| Honey produced (t) | 9 236 | 3 760 | 2 178 | 2 527 | 1 574 | 874 | n.p. | n.p. | 20 165 |
| Beeswax produced (t) | 209 | 76 | 47 | 53 | 33 | 12 | n.p. | n.p. | 430 |

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

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

(c) Comprises broilers, fryers and roasters.

(d) Australian total excludes Tasmania, the Northern Territory and the Australian Capital Territory.

(e) Dressed carcass weight, excluding offal.

(f) Dressed weight of whole birds, pieces and giblets.

(g) Data collected on basis of state of production.

(h) Comprises dead wool and wool on skins.

(i) Source: Australian Dairy Corporation.

(j) Australian total includes the Northern Territory and the Australian Capital Territory. New South Wales total includes the Australian Capital Territory.

# 9 CATTLE—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | CATTLE | | | | |
| **Milk cattle(a)** | | | | | | | | | |
| Cows in milk and dry ('000) | 268 | 1 377 | 186 | 124 | 72 | 148 | n.p. | n.p. | 2 176 |
| Other milk cattle ('000) | 161 | 593 | 102 | 68 | 55 | 62 | n.p. | n.p. | 1 041 |
| *Total milk cattle and calves ('000)* | *428* | *1 971* | *288* | *192* | *126* | *210* | *n.p.* | *n.p.* | *3 217* |
| **Meat cattle** | | | | | | | | | |
| Bulls and bull calves used or intended for service ('000) | 137 | 60 | 241 | 28 | 53 | 12 | 60 | — | 591 |
| Other calves under one year ('000) | 1 581 | 740 | 2 415 | 311 | 546 | 122 | 364 | 3 | 6 083 |
| Cows and heifers one year and over ('000) | 2 849 | 1 138 | 5 304 | 516 | 1 013 | 201 | 981 | 6 | 12 007 |
| Other cattle one year and over ('000) | 1 219 | 497 | 3 127 | 195 | 390 | 92 | 302 | 1 | 5 823 |
| *Total meat cattle and calves ('000)* | *5 786* | *2 435* | *11 088* | *1 050* | *2 001* | *426* | *1 707* | *11* | *24 504* |
| **Total cattle and calves ('000)** | **6 215** | **4 405** | **11 376** | **1 242** | **2 128** | **636** | **n.p.** | **n.p.** | **27 722** |
| **Proportion of total herd** | | | | | | | | | |
| Milk cattle (%) | 6.9 | 44.7 | 2.5 | 15.4 | 5.9 | 33.0 | n.p. | n.p. | 11.6 |
| Meat cattle (%) | 93.1 | 55.3 | 97.5 | 84.6 | 94.1 | 67.0 | n.p. | n.p. | 88.4 |
| | | | | | NUMBER OF ESTABLISHMENTS WITH CATTLE | | | | |
| **Milk cattle** | | | | | | | | | |
| Cows in milk and dry | 1 932 | 7 134 | 1 585 | 693 | 437 | 711 | n.p. | n.p. | 12 493 |
| Other milk cattle | 1 922 | 7 291 | 1 557 | 728 | 426 | 676 | n.p. | n.p. | 12 603 |
| *Total milk cattle and calves* | *2 230* | *7 788* | *1 759* | *799* | *472* | *779* | *n.p.* | *n.p.* | *13 829* |
| **Meat cattle** | | | | | | | | | |
| Bulls and bull calves used or intended for service | 19 948 | 11 676 | 13 910 | 3 584 | 3 676 | 1 817 | 203 | 54 | 54 867 |
| Other calves under one year | 20 557 | 12 595 | 14 346 | 3 980 | 3 807 | 1 953 | 194 | 56 | 57 488 |
| Cows and heifers one year and over | 22 359 | 13 067 | 15 677 | 4 058 | 4 011 | 2 078 | 208 | 59 | 61 516 |
| Other cattle one year and over | 14 040 | 9 441 | 12 789 | 2 623 | 2 740 | 1 609 | 186 | 32 | 43 461 |
| *Total meat cattle* and calves | *25 203* | *16 514* | *17 928* | *4 734* | *4 660* | *2 686* | *219* | *63* | *72 006* |
| **Total establishments** | **26 206** | **20 865** | **18 755** | **5 069** | **4 767** | **3 000** | **n.p.** | **n.p.** | **78 943** |

(a) Excluding house cows.

# 10 CHICKENS—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Chickens** | | | | | | | | | |
| For meat production ('000)(a) | 30 924 | 20 205 | 10 378 | 8 851 | 6 291 | n.p. | 48 | — | 76 697 |
| For egg production ('000) | 3 862 | 4 053 | 3 226 | 934 | 1 631 | 267 | 183 | 120 | 14 276 |

(a) Tasmanian data are excluded from the Australian total.

# 11 SHEEP—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | SHEEP | | | | | |
| **Sheep and lambs** | | | | | | | | | |
| Sheep ('000) | 30 204 | 16 794 | 7 192 | 8 869 | 17 200 | 2 612 | (a) | 87 | 82 958 |
| Lambs under one year ('000) | 10 684 | 5 478 | 1 468 | 3 715 | 5 930 | 672 | (a) | 23 | 27 969 |
| **Total sheep and lambs ('000)** | **40 887** | **22 272** | **8 660** | **12 585** | **23 129** | **3 284** | **—** | **110** | **110 928** |
| | | | | LAMBING | | | | | |
| Ewes actually mated ('000)(b) | 17 132 | 9 016 | 2 932 | 5 830 | 10 752 | 1 310 | (a) | 40 | 47 012 |
| Lambs marked ('000) | 14 613 | 7 810 | 1 726 | 5 012 | 8 050 | 985 | (a) | 31 | 38 227 |
| Proportion of lambs marked to ewes mated (%) | 85.3 | 86.6 | 58.8 | 86.0 | 74.9 | 75.1 | . . | 76.7 | 81.3 |
| Ewes intended to be mated ('000)(c) | 17 766 | 9 552 | 2 946 | 5 917 | 10 846 | 1 407 | (a) | 44 | 48 479 |
| | | | | NUMBER OF ESTABLISHMENTS WITH SHEEP | | | | | |
| **Sheep and lambs** | | | | | | | | | |
| Sheep | 17 480 | 12 290 | 1 994 | 7 623 | 7 573 | 1 726 | (a) | 57 | 48 742 |
| Lambs under one year | 14 717 | 10 056 | 1 429 | 6 550 | 6 117 | 1 347 | (a) | 51 | 40 267 |
| **Total establishments** | **17 880** | **12 634** | **2 038** | **7 779** | **7 654** | **1 776** | **—** | **57** | **49 817** |

(a) Data not collected.

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

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

# 12 PIGS—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | PIGS | | | | | |
| **Pigs** | | | | | | | | | |
| Boars ('000) | 5 | 3 | 3 | 3 | 2 | — | — | — | 17 |
| Breeding sows and gilts ('000) | 102 | 64 | 69 | 56 | 38 | 3 | — | — | 332 |
| Other pigs ('000) | 738 | 490 | 525 | 380 | 246 | 19 | 2 | — | 2 399 |
| **Total pigs ('000)** | **845** | **557** | **597** | **438** | **286** | **22** | **2** | **—** | **2 748** |
| | | | | NUMBER OF ESTABLISHMENTS WITH PIGS | | | | | |
| **Pigs** | | | | | | | | | |
| Boars | 817 | 378 | 556 | 512 | 362 | 51 | 4 | — | 2 679 |
| Breeding sows and gilts | 854 | 401 | 588 | 550 | 376 | 57 | 5 | — | 2 831 |
| Other pigs | 893 | 448 | 731 | 600 | 378 | 74 | 9 | — | 3 133 |
| **Total establishments** | **988** | **514** | **804** | **651** | **422** | **92** | **9** | **—** | **3 480** |

# 13 BEEKEEPING—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| **Beekeepers (no.)** | **407** | **174** | **200** | **100** | **59** | **28** | **n.p.** | **n.p.** | **971** |
| **Beehives** | | | | | | | | | |
| Productive ('000)(a) | 127 | 57 | 39 | 36 | 17 | 12 | n.p. | n.p. | 289 |
| Unproductive ('000) | 30 | 6 | 20 | 3 | 5 | 2 | n.p. | n.p. | 68 |
| *Total ('000)* | *157* | *63* | *59* | *40* | *23* | *14* | *n.p.* | *n.p.* | *357* |
| **Honey** | | | | | | | | | |
| Quantity produced (t) | 9 236 | 3 760 | 2 178 | 2 527 | 1 574 | 874 | n.p. | n.p. | 20 165 |
| Average production per productive beehive (kg) | 72.7 | 65.8 | 55.7 | 69.5 | 91.6 | 74.7 | n.p. | n.p. | 69.8 |
| **Beeswax (t)** | **209** | **76** | **47** | **53** | **33** | **12** | **n.p.** | **n.p.** | **430** |

(a) Beehives from which honey is taken.

# 14 VALUE OF AGRICULTURAL PRODUCTION—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| | $m | $m | $m | $m | $m | $m | $m | $m | $m |
| GROSS VALUE | | | | | | | | | |
| Crops (incl. pastures and grasses) | 4 909.2 | 3 656.3 | 3 391.2 | 3 343.6 | 2 814.7 | 350.1 | 64.4 | 4.6 | 18 534.2 |
| Livestock slaughterings and other disposals | 2 403.4 | 2 053.4 | 3 368.4 | 601.6 | 945.9 | 160.4 | 200.4 | 4.3 | 9 737.8 |
| Livestock products | 1 523.9 | 2 591.6 | 490.3 | 472.1 | 626.6 | 244.4 | 4.8 | 10.9 | 5 964.7 |
| **Total agriculture** | **8 836.6** | **8 301.3** | **7 249.9** | **4 417.4** | **4 387.2** | **755.0** | **269.6** | **19.8** | **34 236.7** |
| MARKETING COSTS | | | | | | | | | |
| Crops (incl. pastures and grasses) | 599.0 | 443.6 | 456.8 | 331.4 | 319.0 | 18.6 | 2.8 | 0.1 | 2 171.4 |
| Livestock slaughterings and other disposals | 194.6 | 188.4 | 276.0 | 51.4 | 94.0 | 15.3 | 20.2 | 0.4 | 840.2 |
| Livestock products | 69.0 | 33.9 | 20.6 | 18.8 | 34.2 | 5.0 | 0.3 | 1.0 | 182.7 |
| **Total agriculture** | **862.6** | **666.0** | **753.4** | **401.6** | **447.1** | **38.9** | **23.3** | **1.4** | **3 194.3** |
| LOCAL VALUE | | | | | | | | | |
| Crops (incl. pastures and grasses) | 4 310.2 | 3 212.7 | 2 934.4 | 3 012.2 | 2 495.7 | 331.5 | 61.6 | 4.5 | 16 362.8 |
| Livestock slaughterings and other disposals | 2 208.8 | 1 865.0 | 3 092.4 | 550.3 | 851.9 | 145.2 | 180.2 | 3.9 | 8 897.6 |
| Livestock products | 1 454.9 | 2 557.6 | 469.7 | 453.3 | 592.4 | 239.5 | 4.5 | 10.0 | 5 782.0 |
| **Total agriculture** | **7 974.0** | **7 635.3** | **6 496.5** | **4 015.8** | **3 940.0** | **716.1** | **246.3** | **18.4** | **31 042.4** |

# 15 GROSS VALUE OF AGRICULTURAL PRODUCTION—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| | $m | $m | $m | $m | $m | $m | $m | $m | $m |
| Crops (excl. pastures and grasses) | | | | | | | | | |
| Cereals for grain | 2 305.2 | 1 239.8 | 500.9 | 1 619.1 | 1 814.0 | 13.8 | 0.3 | 0.4 | 7 493.5 |
| Cotton(a) | 889.9 | (b) | 414.1 | (b) | 0.6 | (b) | (b) | (b) | 1 304.6 |
| Crops for hay | 29.7 | 40.8 | 22.3 | 53.0 | 53.2 | 1.9 | 0.2 | — | 201.2 |
| Legumes for grain | 97.0 | 152.8 | 44.4 | 113.6 | 174.8 | 0.2 | (b) | — | 582.8 |
| Fruit and nuts | 390.3 | 457.6 | 714.2 | 273.2 | 118.0 | 53.7 | 34.3 | — | 2 041.5 |
| Grapes | 253.5 | 365.0 | 18.4 | 752.4 | 102.2 | 11.7 | 14.3 | 0.1 | 1 517.5 |
| Nursery production | 172.7 | 240.3 | 204.1 | 47.1 | 107.8 | 15.4 | 3.6 | 3.6 | 794.7 |
| Oilseeds | 273.3 | 118.9 | 24.5 | 66.6 | 111.0 | 0.1 | (b) | 0.3 | 594.7 |
| Sugar cane cut for crushing | 48.6 | (b) | 601.2 | (b) | 6.9 | (b) | (b) | (b) | 656.7 |
| Vegetables | 305.6 | 580.8 | 638.5 | 280.2 | 226.7 | 146.9 | 3.9 | — | 2 182.6 |
| All other crops n.e.i. | 22.8 | 85.3 | 151.2 | 50.2 | 14.3 | 64.5 | 0.7 | — | 389.0 |
| *Total* | *4 788.7* | *3 281.3* | *3 333.7* | *3 255.5* | *2 729.7* | *308.3* | *57.3* | *4.4* | *17 759.0* |
| Pastures and grasses | | | | | | | | | |
| Cut for hay | 112.1 | 353.3 | 53.3 | 75.4 | 80.1 | 36.3 | 6.4 | 0.2 | 717.1 |
| Harvested for seed | 8.4 | 21.6 | 4.2 | 12.8 | 4.9 | 5.6 | 0.6 | — | 58.1 |
| *Total* | *120.5* | *375.0* | *57.5* | *88.1* | *85.0* | *41.9* | *7.0* | *0.2* | *775.2* |
| ***Total crops (incl. pastures and grasses)*** | ***4 909.2*** | ***3 656.3*** | ***3 391.2*** | ***3 343.6*** | ***2 814.7*** | ***350.1*** | ***64.4*** | ***4.6*** | ***18 534.2*** |
| Livestock | | | | | | | | | |
| Cattle and calves | 1 358.5 | 1 100.7 | 2 963.9 | 230.5 | 458.4 | 117.0 | 198.4 | 3.0 | 6 430.6 |
| Sheep and lambs(c) | 340.3 | 472.6 | 63.8 | 192.8 | 308.4 | 22.9 | — | 1.0 | 1 401.8 |
| Pigs | 277.6 | 191.2 | 177.1 | n.p. | n.p. | n.p. | n.p. | — | 822.3 |
| Poultry | 425.4 | 282.9 | 159.9 | n.p. | n.p. | n.p. | n.p. | 0.2 | 1 060.2 |
| Other livestock | 1.7 | 6.0 | 3.7 | 1.7 | 9.7 | — | 0.2 | — | 22.9 |
| ***Total livestock slaughterings and other disposals*** | ***2 403.4*** | ***2 053.4*** | ***3 368.4*** | ***601.6*** | ***945.9*** | ***160.4*** | ***200.4*** | ***4.3*** | ***9 737.8*** |
| Livestock products | | | | | | | | | |
| Wool(d) | 1 008.6 | 504.5 | 195.4 | 257.2 | 487.6 | 86.0 | — | 1.9 | 2 541.2 |
| Total whole milk production | 385.5 | 1 989.7 | 232.3 | 193.6 | 102.6 | 147.7 | n.p. | n.p. | 3 053.3 |
| Eggs | 112.5 | 90.4 | 58.6 | 16.8 | 33.6 | 9.0 | n.p. | n.p. | 332.7 |
| Honey | 16.3 | 6.6 | 3.8 | 4.3 | 2.7 | 1.7 | n.p. | n.p. | 35.5 |
| Beeswax | 1.0 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | n.p. | n.p. | 2.0 |
| ***Total livestock products*** | ***1 523.9*** | ***2 591.6*** | ***490.3*** | ***472.1*** | ***626.6*** | ***244.4*** | ***4.8*** | ***10.9*** | ***5 964.7*** |
| **Total agriculture** | **8 836.6** | **8 301.3** | **7 249.9** | **4 417.4** | **4 387.2** | **755.0** | **269.6** | **19.8** | **34 236.7** |

(a) Includes value of cotton seed.

(b) Data not collected.

(c) Excludes value of wool on skins.

(d) Includes dead wool and wool on skins.

# 16 PRINCIPAL CROPS, Values—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Cereal for grain** | | | | | | | | | |
| Barley | | | | | | | | | |
| Gross value ($m) | 224.6 | 341.7 | 19.6 | 495.7 | 256.2 | 5.8 | (a) | — | 1 343.5 |
| Local value ($m) | 197.2 | 290.1 | 17.9 | 389.7 | 213.1 | 4.5 | (a) | — | 1 112.4 |
| GUV ($/t) | 179 | 205 | 170 | 214 | 189 | 222 | . . | — | 199 |
| Grain sorghum | | | | | | | | | |
| Gross value ($m) | 108.5 | 1.0 | 168.6 | (a) | 0.5 | (a) | 0.2 | — | 278.7 |
| Local value ($m) | 90.7 | 0.9 | 147.8 | (a) | 0.5 | (a) | 0.2 | — | 240.0 |
| GUV ($/t) | 141 | 220 | 146 | . . | 137 | . . | 202 | — | 144 |
| Maize | | | | | | | | | |
| Gross value ($m) | 33.4 | 1.9 | 29.5 | (a) | *0.1 | (a) | 0.1 | — | 65.0 |
| Local value ($m) | 29.3 | 1.8 | 26.6 | (a) | *0.1 | (a) | 0.1 | — | 57.9 |
| GUV ($/t) | 188 | 253 | 185 | . . | 256 | . . | 266 | — | 188 |
| Oats | | | | | | | | | |
| Gross value ($m) | 26.3 | 43.1 | 1.3 | 16.1 | 49.9 | 1.8 | (a) | — | 138.4 |
| Local value ($m) | 21.7 | 39.6 | 1.2 | 15.6 | 47.3 | 1.7 | (a) | — | 127.1 |
| GUV ($/t) | 107 | 123 | 215 | 138 | 157 | 144 | . . | 108 | 132 |
| Rice | | | | | | | | | |
| Gross value ($m) | 346.4 | 3.8 | (a) | (a) | *— | (a) | — | — | 350.3 |
| Local value ($m) | 292.5 | 3.2 | (a) | (a) | *— | (a) | — | — | 295.8 |
| GUV ($/t) | 213 | 213 | . . | . . | 213 | . . | 212 | — | 213 |
| Triticale | | | | | | | | | |
| Gross value ($m) | 45.8 | 51.0 | 0.2 | 23.3 | 4.6 | 1.5 | (a) | — | 126.3 |
| Local value ($m) | 38.2 | 45.3 | 0.2 | 21.6 | 4.3 | 1.4 | (a) | — | 110.9 |
| GUV ($/t) | 139 | 161 | 188 | 148 | 153 | 174 | . . | — | 150 |
| Wheat | | | | | | | | | |
| Gross value ($m) | 1 513.8 | 789.9 | 268.1 | 1 069.3 | 1 484.3 | 4.7 | (a) | 0.4 | 5 130.4 |
| Local value ($m) | 1 272.4 | 660.1 | 227.4 | 935.2 | 1 325.9 | 4.5 | (a) | 0.3 | 4 425.9 |
| GUV ($/t) | 192 | 256 | 232 | 257 | 255 | 184 | . . | 208 | 232 |
| **Legumes** | | | | | | | | | |
| Lupins for grain | | | | | | | | | |
| Gross value ($m) | 29.2 | 10.6 | — | 20.7 | 156.1 | — | (a) | — | 216.6 |
| Local value ($m) | 26.1 | 9.7 | — | 19.7 | 139.8 | — | (a) | — | 195.3 |
| GUV ($/t) | 230 | 227 | 235 | 211 | 199 | 228 | . . | — | 205 |
| Field peas for grain | | | | | | | | | |
| Gross value ($m) | 5.1 | 40.1 | 0.1 | 46.8 | 7.5 | 0.1 | (a) | — | 99.7 |
| Local value ($m) | 4.6 | 36.6 | 0.1 | 44.2 | 6.9 | 0.1 | (a) | — | 92.5 |
| GUV ($/t) | 206 | 235 | 342 | 217 | 171 | 235 | . . | — | 219 |
| **Crops cut for hay** | | | | | | | | | |
| Cereal crops for hay | | | | | | | | | |
| Gross value ($m) | 28.3 | 34.1 | 17.5 | 51.1 | 52.1 | 0.8 | 0.1 | — | 184.1 |
| Local value ($m) | 28.3 | 34.1 | 17.5 | 51.1 | 52.1 | 0.8 | 0.1 | — | 184.1 |
| GUV ($/t) | 113 | 104 | 120 | 108 | 116 | 104 | 105 | 113 | 111 |
| Non-cereal crops for hay | | | | | | | | | |
| Gross value ($m) | 1.3 | 6.8 | 4.8 | 1.9 | 1.1 | 1.1 | 0.2 | — | 17.2 |
| Local value ($m) | 1.3 | 6.8 | 4.8 | 1.9 | 1.1 | 1.1 | 0.2 | — | 17.2 |
| GUV ($/t) | 108 | 152 | 227 | 128 | 67 | 318 | 94 | — | 150 |
| *Total* | | | | | | | | | |
| *Gross value ($m)* | *29.7* | *40.8* | *22.3* | *53.0* | *53.2* | *1.9* | *0.2* | — | *201.2* |
| *Local value ($m)* | *29.7* | *40.8* | *22.3* | *53.0* | *53.2* | *1.9* | *0.2* | — | *201.2* |
| *GUV ($/t)* | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| **Oilseeds** | | | | | | | | | |
| Canola | | | | | | | | | |
| Gross value ($m) | 250.1 | 117.3 | 0.4 | 65.9 | 111.0 | 0.1 | (a) | 0.3 | 545.1 |
| Local value ($m) | 230.9 | 110.5 | 0.4 | 63.7 | 98.4 | 0.1 | (a) | 0.3 | 504.1 |
| GUV ($/t) | 299 | 309 | 287 | 322 | 315 | 305 | . . | 304 | 307 |
| *Total oilseeds* | | | | | | | | | |
| *Gross value ($m)* | *273.3* | *118.9* | *24.5* | *66.6* | *111.0* | *0.1* | *(a)* | *0.3* | *594.7* |
| *Local value ($m)* | *252.7* | *112.0* | *23.1* | *64.5* | *98.4* | *0.1* | *(a)* | *0.3* | *551.1* |
| *GUV ($/t)* | . . | . . | . . | . . | . . | . . | . . | . . | . . |

(a) Data not collected.

# 16 PRINCIPAL CROPS, Values—Year ended 30 June 2001 *continued*

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Other crops** | | | | | | | | | |
| Sugar cane cut for crushing | | | | | | | | | |
| Gross value ($m) | 48.6 | (a) | 601.2 | (a) | 6.9 | (a) | (a) | (a) | 656.7 |
| Local value ($m) | 41.9 | (a) | 586.2 | (a) | 5.7 | (a) | (a) | (a) | 633.8 |
| GUV ($/t) | 27 | . . | 23 | . . | 16 | . . | . . | . . | 23 |
| Cotton(b) | | | | | | | | | |
| Gross value ($m) | 889.9 | (a) | 414.1 | (a) | 0.6 | (a) | (a) | (a) | 1 304.6 |
| Local value ($m) | 869.0 | (a) | 404.2 | (a) | 0.6 | (a) | (a) | (a) | 1 273.8 |
| GUV ($/kg)(c) | 1.96 | . . | 1.96 | . . | 1.96 | . . | . . | . . | 1.96 |
| Peanuts (in shell) | | | | | | | | | |
| Gross value ($m) | 0.7 | (a) | 26.4 | (a) | (a) | (a) | 0.4 | (a) | 27.5 |
| Local value ($m) | 0.7 | (a) | 25.5 | (a) | (a) | (a) | 0.4 | (a) | 26.6 |
| GUV ($/kg) | 0.70 | . . | 0.71 | . . | . . | . . | 0.82 | . . | 0.71 |
| Tobacco | | | | | | | | | |
| Gross value ($m) | (a) | 22.9 | 16.2 | (a) | (a) | (a) | (a) | (a) | 39.1 |
| Local value ($m) | (a) | 21.9 | 15.5 | (a) | (a) | (a) | (a) | (a) | 37.5 |
| GUV ($/kg) | . . | 6.52 | 6.52 | . . | . . | . . | . . | . . | 6.52 |
| **Pastures and grasses** | | | | | | | | | |
| Cut for hay | | | | | | | | | |
| Lucerne | | | | | | | | | |
| Gross value ($m) | 76.1 | 44.7 | 41.6 | 14.0 | 2.4 | 2.2 | 0.2 | 0.1 | 181.3 |
| Local value ($m) | 76.0 | 44.5 | 41.6 | 13.7 | 2.3 | 2.2 | 0.2 | 0.1 | 180.8 |
| GUV ($/t) | 148 | 181 | 201 | 143 | 143 | 181 | 201 | 147 | 165 |
| Other | | | | | | | | | |
| Gross value ($m) | 36.0 | 308.7 | 11.7 | 61.3 | 77.8 | 34.0 | 6.2 | 0.1 | 535.8 |
| Local value ($m) | 35.3 | 306.4 | 11.7 | 56.2 | 71.2 | 34.0 | 6.1 | 0.1 | 521.0 |
| GUV ($/t) | 112 | 132 | 144 | 220 | 226 | 129 | 146 | 97 | 146 |
| *Total* | | | | | | | | | |
| *Gross value ($m)* | *112.1* | *353.3* | *53.3* | *75.4* | *80.1* | *36.3* | *6.4* | *0.2* | *717.1* |
| *Local value ($m)* | *111.3* | *350.9* | *53.3* | *69.9* | *73.5* | *36.3* | *6.4* | *0.2* | *701.8* |
| *GUV ($/t)* | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| Harvested for seed | | | | | | | | | |
| Pasture seed | | | | | | | | | |
| Gross value ($m) | 8.4 | 21.6 | 4.2 | 12.8 | 4.9 | 5.6 | 0.6 | — | 58.1 |
| Local value ($m) | 7.6 | 19.6 | 3.8 | 10.7 | 4.4 | 5.0 | 0.6 | — | 51.6 |
| GUV ($/kg) | 3.50 | 3.50 | 3.50 | 2.01 | 2.94 | 3.50 | 8.21 | 3.50 | 2.99 |
| *Total pastures and grasses* | | | | | | | | | |
| *Gross value ($m)* | *120.5* | *375.0* | *57.5* | *88.1* | *85.0* | *41.9* | *7.0* | *0.2* | *775.2* |
| *Local value ($m)* | *118.8* | *370.5* | *57.1* | *80.6* | *77.9* | *41.3* | *7.0* | *0.2* | *753.4* |
| *GUV ($/t)* | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| **Total principal crops** | | | | | | | | | |
| **Gross value ($m)** | **3 695.7** | **1 840.6** | **1 649.3** | **1 879.7** | **2 216.0** | **57.8** | **8.0** | **0.9** | **11 348.0** |
| **Local value ($m)** | **3 285.5** | **1 632.7** | **1 555.1** | **1 624.0** | **1 973.7** | **55.6** | **7.9** | **0.8** | **10 135.2** |
| **GUV ($/t)** | . . | . . | . . | . . | . . | . . | . . | . . | . . |

(a) Data not collected.

(b) Includes value of cotton seed.

(c) Expressed on a per kilogram of cotton lint and cotton seed basis.

# 17 FRUIT AND NUTS, Values—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Citrus** | | | | | | | | | |
| Oranges | | | | | | | | | |
| Gross value ($m) | 113.0 | 58.1 | 10.5 | 92.1 | 3.1 | (a) | — | — | 276.8 |
| Local value ($m) | 79.8 | 49.6 | 7.6 | 79.7 | 2.6 | (a) | — | — | 219.3 |
| GUV ($/kg) | 0.44 | 0.72 | 0.67 | 0.49 | 0.48 | . . | 0.80 | — | 0.50 |
| Lemons and limes | | | | | | | | | |
| Gross value ($m) | 5.3 | 4.7 | 7.5 | 6.2 | 1.0 | (a) | 0.1 | — | 24.9 |
| Local value ($m) | 4.0 | 4.0 | 5.5 | 5.8 | 0.9 | (a) | 0.1 | — | 20.3 |
| GUV ($/kg) | 0.82 | 0.72 | 0.80 | 0.49 | 0.90 | . . | 1.50 | — | 0.69 |
| Mandarins | | | | | | | | | |
| Gross value ($m) | 5.8 | 5.2 | 56.5 | 16.7 | 2.4 | (a) | — | — | 86.6 |
| Local value ($m) | 4.4 | 4.6 | 43.7 | 14.6 | 2.1 | (a) | — | — | 69.4 |
| GUV ($/kg) | 1.23 | 1.02 | 1.14 | 0.94 | 1.36 | . . | 1.37 | — | 1.10 |
| **Pome** | | | | | | | | | |
| Apples | | | | | | | | | |
| Gross value ($m) | 42.1 | 101.9 | 20.5 | 39.9 | 37.0 | 40.5 | (a) | — | 282.0 |
| Local value ($m) | 32.7 | 89.6 | 16.2 | 36.0 | 24.0 | 32.1 | (a) | — | 230.6 |
| GUV ($/kg) | 0.72 | 0.93 | 0.71 | 1.54 | 0.82 | 0.72 | . . | 1.35 | 0.87 |
| Pears (excl. Nashi) | | | | | | | | | |
| Gross value ($m) | 1.5 | 73.5 | 0.8 | 6.7 | 7.0 | 0.8 | (a) | — | 90.2 |
| Local value ($m) | 1.1 | 65.1 | 0.6 | 6.0 | 5.6 | 0.7 | (a) | — | 79.2 |
| GUV ($/kg) | 1.08 | 0.49 | 0.93 | 1.15 | 0.60 | 1.61 | . . | 1.41 | 0.53 |
| **Stone** | | | | | | | | | |
| Apricots | | | | | | | | | |
| Gross value ($m) | 1.5 | 14.4 | 0.5 | 11.2 | 1.1 | 0.9 | (a) | — | 29.5 |
| Local value ($m) | 1.3 | 13.5 | 0.4 | 10.7 | 1.0 | 0.8 | (a) | — | 27.7 |
| GUV ($/kg) | 3.09 | 1.21 | 3.13 | 1.53 | 2.30 | 2.96 | . . | — | 1.43 |
| Cherries | | | | | | | | | |
| Gross value ($m) | 24.1 | 17.6 | — | 10.0 | 1.7 | 6.6 | (a) | — | 60.0 |
| Local value ($m) | 20.8 | 16.9 | — | 9.7 | 1.7 | 6.4 | (a) | — | 55.5 |
| GUV ($/kg) | 6.87 | 6.17 | 6.24 | 7.87 | 8.95 | 10.04 | . . | — | 7.07 |
| Nectarines | | | | | | | | | |
| Gross value ($m) | 16.3 | 36.7 | 4.8 | 3.4 | 9.1 | 0.2 | (a) | — | 70.4 |
| Local value ($m) | 13.3 | 33.7 | 3.8 | 3.1 | 8.4 | 0.2 | (a) | — | 62.5 |
| GUV ($/kg) | 2.20 | 2.05 | 1.85 | 1.90 | 2.32 | 2.79 | . . | — | 2.09 |
| Olives | | | | | | | | | |
| Gross value ($m) | 1.2 | 1.0 | 0.4 | 3.0 | 0.3 | — | — | — | 5.9 |
| Local value ($m) | 1.0 | 1.0 | 0.3 | 2.8 | 0.2 | — | — | — | 5.3 |
| GUV ($/kg) | 2.60 | 2.57 | 2.90 | 2.41 | 2.41 | 2.57 | — | — | 2.50 |
| Peaches | | | | | | | | | |
| Gross value ($m) | 19.4 | 38.5 | 5.0 | 4.8 | 4.9 | *0.1 | (a) | — | 72.7 |
| Local value ($m) | 16.3 | 37.1 | 4.1 | 4.5 | 4.5 | *0.1 | (a) | — | 66.6 |
| GUV ($/kg) | 1.40 | 0.76 | 1.64 | 1.28 | 2.00 | 1.65 | . . | — | 0.98 |
| Plums and prunes | | | | | | | | | |
| Gross value ($m) | 18.6 | 15.5 | 3.3 | 6.6 | 14.6 | *— | — | — | 58.5 |
| Local value ($m) | 15.0 | 14.5 | 2.7 | 5.9 | 13.1 | *— | — | — | 51.3 |
| GUV ($/kg) | 1.87 | 1.91 | 1.93 | 1.76 | 1.87 | 2.98 | — | 1.91 | 1.87 |
| **Other orchard fruit** | | | | | | | | | |
| Avocados | | | | | | | | | |
| Gross value ($m) | 8.1 | 2.6 | 39.0 | 2.2 | 6.1 | (a) | — | — | 58.0 |
| Local value ($m) | 6.0 | 2.3 | 29.1 | 1.9 | 5.4 | (a) | — | — | 44.6 |
| GUV ($/kg) | 1.86 | 2.20 | 1.89 | 1.96 | 2.42 | . . | — | — | 1.94 |
| Mangoes | | | | | | | | | |
| Gross value ($m) | 1.2 | (a) | 64.1 | (a) | 6.5 | (a) | 19.9 | — | 91.7 |
| Local value ($m) | 1.0 | (a) | 55.2 | (a) | 6.3 | (a) | 19.5 | — | 82.0 |
| GUV ($/kg) | 3.11 | . . | 2.27 | . . | 3.15 | . . | 2.96 | — | 2.45 |

(a) Data not collected.

# 17 FRUIT AND NUTS, Values—Year ended 30 June 2001 *continued*

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Nuts** | | | | | | | | | |
| Almond | | | | | | | | | |
| Gross value ($m) | 1.3 | 21.4 | — | 18.3 | (a) | (a) | (a) | — | 41.1 |
| Local value ($m) | 1.3 | 21.2 | — | 18.3 | (a) | (a) | (a) | — | 40.8 |
| GUV ($/kg) | 4.42 | 4.30 | — | 4.37 | . . | . . | . . | — | 4.33 |
| Macadamia | | | | | | | | | |
| Gross value ($m) | 32.5 | (a) | 19.9 | (a) | (a) | (a) | (a) | — | 52.4 |
| Local value ($m) | 31.2 | (a) | 19.1 | (a) | (a) | (a) | (a) | — | 50.3 |
| GUV ($/kg) | 2.29 | . . | 2.34 | . . | . . | . . | . . | — | 2.31 |
| **Blueberries** | | | | | | | | | |
| Gross value ($m) | 30.5 | 3.1 | (a) | (a) | (a) | 1.1 | (a) | — | 34.7 |
| Local value ($m) | 26.8 | 3.1 | (a) | (a) | (a) | 1.1 | (a) | — | 31.0 |
| GUV ($/kg) | 16.57 | 21.21 | . . | . . | . . | 15.04 | . . | — | 16.85 |
| **Strawberries** | | | | | | | | | |
| Gross value ($m) | 1.2 | 35.3 | 31.7 | 13.3 | 12.4 | 1.4 | — | — | 95.2 |
| Local value ($m) | 1.0 | 33.4 | 26.6 | 12.8 | 11.6 | 1.3 | — | — | 86.7 |
| GUV ($/kg) | 6.24 | 6.02 | 6.00 | 8.29 | 5.17 | 5.75 | — | — | 6.12 |
| **Tropical** | | | | | | | | | |
| Bananas | | | | | | | | | |
| Gross value ($m) | 44.5 | (a) | 345.0 | (a) | 7.0 | (a) | 12.1 | — | 408.6 |
| Local value ($m) | 36.8 | (a) | 240.4 | (a) | 5.6 | (a) | 10.8 | — | 293.6 |
| GUV ($/t) | 1 023 | . . | 1 143 | . . | 1 134 | . . | 1 735 | — | 1 140 |
| Pawpaws | | | | | | | | | |
| Gross value ($m) | — | (a) | 6.7 | (a) | 0.7 | (a) | — | (a) | 7.3 |
| Local value ($m) | — | (a) | 4.2 | (a) | 0.6 | (a) | — | (a) | 4.8 |
| GUV ($/kg) | 1.50 | . . | 0.71 | . . | 3.04 | . . | — | . . | 0.76 |
| Pineapples | | | | | | | | | |
| Gross value ($m) | — | (a) | 44.0 | (a) | (a) | (a) | — | — | 44.0 |
| Local value ($m) | — | (a) | 36.8 | (a) | (a) | (a) | — | — | 36.8 |
| GUV ($/t) | 740 | . . | 368 | . . | . . | . . | — | — | 368 |
| **Grapes** | | | | | | | | | |
| Gross value ($m) | 253.5 | 365.0 | 18.4 | 752.4 | 102.2 | 11.7 | 14.3 | 0.1 | 1 517.5 |
| Local value ($m) | 245.1 | 337.1 | 15.3 | 750.9 | 100.7 | 11.7 | 13.7 | 0.1 | 1 474.5 |
| GUV ($/kg) | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| **Other fruit n.e.c.** | | | | | | | | | |
| Gross value ($m) | 150.7 | 22.3 | 28.2 | 53.9 | 38.8 | 3.3 | 2.1 | 2.2 | 86.4 |
| Local value ($m) | 134.5 | 18.9 | 25.5 | 48.2 | 34.9 | 2.9 | 2.0 | 2.1 | 77.8 |
| GUV ($/t) | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| **Total fruit and nuts** | | | | | | | | | |
| **Gross value ($m)** | **643.8** | **822.7** | **732.6** | **1 025.5** | **220.2** | **65.4** | **48.6** | **0.1** | **3 558.9** |
| **Local value ($m)** | **557.7** | **752.2** | **559.8** | **997.6** | **197.3** | **56.5** | **46.2** | **0.1** | **3 167.4** |
| **GUV ($/t)** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** |

(a) Data not collected.

# 18 VEGETABLES, Values—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Asparagus** | | | | | | | | | |
| Gross value ($m) | 3.2 | 46.9 | 6.0 | — | 2.0 | — | — | — | 58.0 |
| Local value ($m) | 2.9 | 43.1 | 4.8 | — | 1.9 | — | — | — | 52.7 |
| GUV ($/t) | 2 069 | 4 968 | 4 575 | — | 8 566 | 5 655 | 3 952 | — | 4 638 |
| **Beans, french and runner** | | | | | | | | | |
| Gross value ($m) | 2.1 | 4.6 | 32.6 | *0.3 | *2.7 | 4.9 | 0.1 | — | 47.2 |
| Local value ($m) | 1.6 | 4.2 | 29.0 | *0.3 | *2.5 | 4.8 | 0.1 | — | 42.5 |
| GUV ($/kg) | 2.08 | 2.40 | 2.00 | 3.56 | 3.01 | 0.39 | 2.71 | — | 1.44 |
| **Beetroot** | | | | | | | | | |
| Gross value ($m) | 0.4 | 0.2 | 8.2 | 0.2 | 0.1 | *— | — | — | 9.1 |
| Local value ($m) | 0.3 | 0.2 | 7.0 | 0.1 | 0.1 | *— | — | — | 7.7 |
| GUV ($/t) | 174 | 205 | 228 | 510 | 1 258 | 1 040 | — | — | 230 |
| **Broccoli** | | | | | | | | | |
| Gross value ($m) | 2.3 | 36.4 | 17.6 | 3.4 | 4.6 | 5.7 | — | — | 70.0 |
| Local value ($m) | 1.7 | 29.3 | 12.0 | 2.7 | 3.0 | 5.4 | — | — | 53.9 |
| GUV ($/kg) | 1.97 | 1.74 | 1.67 | 1.73 | 1.02 | 0.83 | — | — | 1.52 |
| **Cabbages** | | | | | | | | | |
| Gross value ($m) | 9.2 | 12.8 | 9.2 | 2.5 | 4.0 | 1.1 | — | — | 38.6 |
| Local value ($m) | 6.1 | 8.5 | 6.0 | 1.8 | 2.2 | 0.8 | — | — | 25.5 |
| GUV ($/t) | 515 | 437 | 542 | 613 | 377 | 490 | — | — | 478 |
| **Capsicums, chillies and peppers** | | | | | | | | | |
| Gross value ($m) | 0.7 | 4.9 | 59.5 | 1.8 | 2.1 | — | — | — | 68.9 |
| Local value ($m) | 0.6 | 4.4 | 44.5 | 1.6 | 1.8 | — | — | — | 52.9 |
| GUV ($/kg) | 1.41 | 2.04 | 1.61 | 2.40 | 1.64 | 2.26 | — | — | 1.65 |
| **Carrots** | | | | | | | | | |
| Gross value ($m) | 8.8 | 65.7 | 14.2 | 36.7 | 43.0 | 20.1 | — | — | 188.6 |
| Local value ($m) | 6.5 | 51.0 | 9.8 | 29.3 | 29.8 | 18.1 | — | — | 144.5 |
| GUV ($/t) | 303 | 655 | 597 | 782 | 536 | 497 | — | — | 588 |
| **Cauliflowers** | | | | | | | | | |
| Gross value ($m) | 6.7 | 10.5 | 7.1 | 3.9 | 22.0 | 3.2 | — | — | 53.3 |
| Local value ($m) | 3.6 | 7.3 | 3.2 | 2.8 | 17.9 | 2.9 | — | — | 37.7 |
| GUV ($/t) | 539 | 615 | 464 | 711 | 1 141 | 502 | — | — | 704 |
| **Celery** | | | | | | | | | |
| Gross value ($m) | 0.5 | 17.9 | 8.3 | 0.6 | 2.6 | 0.3 | — | — | 30.2 |
| Local value ($m) | 0.4 | 14.5 | 5.6 | 0.4 | 2.2 | 0.2 | — | — | 23.3 |
| GUV ($/kg) | 0.70 | 0.63 | 0.70 | 0.60 | 0.88 | 0.75 | — | — | 0.67 |
| **Cucumbers** | | | | | | | | | |
| Gross value ($m) | 1.6 | 0.2 | 6.3 | 3.1 | 2.3 | — | 0.1 | — | 13.6 |
| Local value ($m) | 1.3 | 0.2 | 4.5 | 2.8 | 2.0 | — | 0.1 | — | 10.9 |
| GUV ($/kg) | 1.15 | 0.87 | 1.30 | 2.11 | 1.30 | 1.39 | 2.27 | — | 1.40 |
| **Green peas (pod wt)** | | | | | | | | | |
| Gross value ($m) | 1.3 | 0.6 | 0.8 | — | 0.2 | 8.4 | — | — | 11.3 |
| Local value ($m) | 1.2 | 0.6 | 0.8 | — | 0.2 | 8.4 | — | — | 11.1 |
| GUV ($/kg) | 2.86 | 2.40 | 0.59 | 1.81 | 0.41 | 0.35 | — | — | 0.43 |
| **Lettuces** | | | | | | | | | |
| Gross value ($m) | 25.3 | 33.4 | 43.0 | 8.0 | 11.0 | 1.7 | 0.1 | — | 122.5 |
| Local value ($m) | 17.7 | 24.2 | 28.4 | 6.2 | 5.3 | 1.3 | 0.1 | — | 83.2 |
| GUV ($/t) | 1 000 | 778 | 891 | 927 | 435 | 746 | 2 310 | — | 802 |

# 18 VEGETABLES, Values—Year ended 30 June 2001 *continued*

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Marrows, squashes and zucchini** | | | | | | | | | |
| Gross value ($m) | 2.5 | 2.3 | 20.5 | 0.7 | *2.4 | 1.0 | 0.1 | — | 29.4 |
| Local value ($m) | 2.0 | 2.0 | 17.4 | 0.6 | *2.2 | 0.9 | 0.1 | — | 25.2 |
| GUV ($/kg) | 1.83 | 1.45 | 1.56 | 1.83 | 2.23 | 2.14 | 1.81 | — | 1.63 |
| **Melons** | | | | | | | | | |
| Water | | | | | | | | | |
| Gross value ($m) | 4.3 | 1.4 | 28.9 | 0.2 | 13.5 | — | 2.3 | — | 50.7 |
| Local value ($m) | 3.2 | 1.3 | 21.5 | 0.2 | 8.3 | — | 2.2 | — | 36.6 |
| GUV ($/t) | 474 | 380 | 468 | 538 | 493 | — | 705 | — | 479 |
| Rock and cantaloupe | | | | | | | | | |
| Gross value ($m) | 25.0 | 6.1 | 28.3 | 3.8 | 13.5 | — | 0.4 | — | 77.2 |
| Local value ($m) | 15.8 | 5.1 | 20.1 | 3.0 | 11.1 | — | 0.4 | — | 55.4 |
| GUV ($/t) | 715 | 840 | 910 | 738 | 1 042 | — | 1 141 | — | 840 |
| **Mushrooms(a)** | | | | | | | | | |
| Gross value ($m) | 51.5 | 55.4 | 36.0 | 15.1 | n.p. | 5.8 | — | — | 163.9 |
| Local value ($m) | 43.2 | 51.2 | 29.7 | 14.0 | n.p. | 5.5 | — | — | 143.7 |
| GUV ($/kg) | 4.35 | 4.38 | 5.13 | 4.76 | n.p. | 4.80 | — | — | 4.56 |
| **Onions, white and brown** | | | | | | | | | |
| Gross value ($m) | 20.6 | 10.5 | 11.9 | 50.4 | 9.1 | 17.0 | — | — | 119.6 |
| Local value ($m) | 15.5 | 9.3 | 9.6 | 44.4 | 7.7 | 16.4 | — | — | 102.8 |
| GUV ($/t) | 522 | 501 | 610 | 607 | 551 | 403 | — | — | 539 |
| **Parsnips** | | | | | | | | | |
| Gross value ($m) | 0.8 | 10.8 | *0.1 | *0.6 | 0.6 | 0.3 | — | — | 13.2 |
| Local value ($m) | 0.5 | 8.8 | *0.1 | *0.5 | 0.5 | 0.3 | — | — | 10.7 |
| GUV ($/t) | 1 195 | 1 260 | 2 437 | 1 261 | 1 590 | 1 255 | — | — | 1 272 |
| **Potatoes** | | | | | | | | | |
| Gross value ($m) | 72.0 | 115.8 | 46.8 | 123.5 | 31.2 | 69.0 | — | — | 458.3 |
| Local value ($m) | 50.6 | 100.4 | 35.2 | 107.3 | 26.5 | 68.9 | — | — | 389.0 |
| GUV ($/t) | 450 | 390 | 404 | 383 | 413 | 208 | — | — | 352 |
| **Pumpkins** | | | | | | | | | |
| Gross value ($m) | 9.7 | 5.3 | 20.6 | 3.4 | 7.9 | 0.9 | 0.4 | — | 48.4 |
| Local value ($m) | 6.9 | 5.0 | 14.1 | 3.0 | 6.9 | 0.8 | 0.4 | — | 37.2 |
| GUV ($/t) | 386 | 587 | 411 | 436 | 537 | 599 | 629 | — | 443 |
| **Sweet corn** | | | | | | | | | |
| Gross value ($m) | 12.8 | 8.9 | 24.0 | 1.9 | 2.7 | 0.5 | — | — | 50.9 |
| Local value ($m) | 11.6 | 7.8 | 16.8 | 1.7 | 2.3 | 0.5 | — | — | 40.6 |
| GUV ($/t) | 238 | 1 447 | 909 | 1 590 | 1 252 | 1 447 | — | — | 566 |
| **Tomatoes** | | | | | | | | | |
| Gross value ($m) | 26.9 | 79.4 | 135.4 | 2.2 | 10.9 | 2.0 | — | — | 256.7 |
| Local value ($m) | 22.1 | 71.7 | 98.9 | 1.9 | 8.3 | 1.7 | — | — | 204.7 |
| GUV ($/t) | 260 | 241 | 1 265 | 1 071 | 818 | 1 306 | 2 689 | — | 462 |
| **Other vegetables(a)** | | | | | | | | | |
| Gross value ($m) | 17.7 | 50.9 | 73.0 | 17.9 | 38.1 | 4.9 | 0.4 | — | 202.8 |
| Local value ($m) | 14.7 | 46.1 | 59.8 | 16.0 | 33.6 | 4.6 | 0.4 | — | 175.1 |
| GUV ($/t) | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| **Total vegetables** | | | | | | | | | |
| **Gross value ($m)** | **305.6** | **580.8** | **638.5** | **280.2** | **226.7** | **146.9** | **3.9** | **—** | **2 182.6** |
| **Local value ($m)** | **230.0** | **496.0** | **478.7** | **240.7** | **176.2** | **141.8** | **3.7** | **—** | **1 767.0** |
| **GUV ($/t)** | **..** | **..** | **..** | **..** | **..** | **..** | **..** | **..** | **..** |

(a) Mushrooms data for Western Australia are confidential and have been excluded from the total for Australia. They have been included in 'Other vegetables'.

# 19 LIVESTOCK SLAUGHTERINGS AND OTHER DISPOSALS, Values—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| **Cattle and calves** | | | | | | | | | |
| Gross value ($m) | 1 358.5 | 1 100.7 | 2 963.9 | 230.5 | 458.4 | 117.0 | 198.4 | 3.0 | 6 430.6 |
| Local value ($m) | 1 239.5 | 995.6 | 2 719.0 | 211.5 | 416.4 | 106.2 | 178.3 | 2.7 | 5 869.1 |
| GUV ($) | 661 | 503 | 769 | 784 | 601 | 493 | 439 | 658 | 653 |
| **Sheep and lambs(a)** | | | | | | | | | |
| Gross value ($m) | 340.3 | 472.6 | 63.8 | 192.8 | 308.4 | 22.9 | — | 1.0 | 1 401.8 |
| Local value ($m) | 297.0 | 411.1 | 54.3 | 171.0 | 267.8 | 19.6 | — | 0.9 | 1 221.8 |
| GUV ($) | 34 | 36 | 25 | 38 | 32 | 29 | — | 37 | 34 |
| **Pigs** | | | | | | | | | |
| Gross value ($m) | 277.6 | 191.2 | 177.1 | n.p. | n.p. | n.p. | n.p. | — | 822.3 |
| Local value ($m) | 253.4 | 175.4 | 159.7 | n.p. | n.p. | n.p. | n.p. | — | 747.7 |
| GUV ($) | 160 | 179 | 164 | n.p. | n.p. | n.p. | n.p. | — | 164 |
| **Poultry** | | | | | | | | | |
| Gross value ($m) | 425.4 | 282.9 | 159.9 | n.p. | n.p. | n.p. | n.p. | 0.2 | 1 060.2 |
| Local value ($m) | 417.4 | 277.5 | 156.5 | n.p. | n.p. | n.p. | n.p. | 0.2 | 1 039.4 |
| GUV ($) | 2.68 | 2.65 | 2.29 | n.p. | n.p. | n.p. | n.p. | 1.23 | 2.54 |
| **Other** | | | | | | | | | |
| Gross value ($m) | 1.7 | 6.0 | 3.7 | 1.7 | 9.7 | — | 0.2 | — | 22.9 |
| Local value ($m) | 1.5 | 5.3 | 2.9 | 1.4 | 8.3 | — | 0.2 | — | 19.6 |
| GUV ($) | . . | . . | . . | . . | . . | . . | . . | . . | . . |
| **Total slaughterings and other disposals** | | | | | | | | | |
| **Gross value ($m)** | **2 403.4** | **2 053.4** | **3 368.4** | **601.6** | **945.9** | **160.4** | **200.4** | **4.3** | **9 737.8** |
| **Local value ($m)** | **2 208.8** | **1 865.0** | **3 092.4** | **550.3** | **851.9** | **145.2** | **180.2** | **3.9** | **8 897.6** |
| **GUV ($)** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** | **. .** |

(a) Excludes value of wool on skins.

# 20 LIVESTOCK PRODUCTS, Values—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **Wool** | | | | | | | | | |
| Shorn | | | | | | | | | |
| Gross value ($m) | 975.0 | 465.0 | 188.1 | 246.1 | 469.0 | 82.6 | — | 1.8 | 2 427.6 |
| Local value ($m) | 917.2 | 440.8 | 174.3 | 229.9 | 438.8 | 78.7 | — | 1.7 | 2 281.4 |
| GUV ($/kg) | 4.44 | 4.21 | 3.85 | 3.25 | 3.88 | 5.88 | — | 4.45 | 4.12 |
| Other(a) | | | | | | | | | |
| Gross value ($m) | 33.6 | 39.5 | 7.3 | 11.1 | 18.6 | 3.4 | — | 0.1 | 113.7 |
| Local value ($m) | 33.6 | 39.5 | 7.3 | 11.1 | 18.6 | 3.4 | — | 0.1 | 113.7 |
| GUV ($/kg) | 2.23 | 2.10 | 1.93 | 1.62 | 1.94 | 2.94 | — | 2.22 | 2.06 |
| *Total wool* | | | | | | | | | |
| *Gross value ($m)* | *1 008.6* | *504.5* | *195.4* | *257.2* | *487.6* | *86.0* | — | *1.9* | *2 541.2* |
| *Local value ($m)* | *950.9* | *480.3* | *181.5* | *241.0* | *457.5* | *82.2* | — | *1.8* | *2 395.1* |
| *GUV ($/kg)* | *4.30* | *3.90* | *3.72* | *3.11* | *3.74* | *5.65* | — | *4.28* | *3.94* |
| **Liquid whole milk used for** | | | | | | | | | |
| Manufacturing | | | | | | | | | |
| Gross value ($m) | 202.4 | 1 856.0 | 112.2 | 138.3 | 51.7 | 135.2 | n.p. | n.p. | 2 495.8 |
| Local value ($m) | 202.4 | 1 856.0 | 112.2 | 138.3 | 51.7 | 135.2 | n.p. | n.p. | 2 495.8 |
| GUV (c/L) | 29.1 | 29.3 | 30.6 | 27.7 | 26.5 | 25.0 | n.p. | n.p. | 28.9 |
| Human consumption | | | | | | | | | |
| Gross value ($m) | 183.1 | 133.6 | 120.1 | 55.3 | 50.9 | 12.5 | n.p. | n.p. | 557.5 |
| Local value ($m) | 183.1 | 133.6 | 120.1 | 55.3 | 50.9 | 12.5 | n.p. | n.p. | 557.5 |
| GUV (c/L) | 29.1 | 29.3 | 30.6 | 27.7 | 26.5 | 25.0 | n.p. | n.p. | 29.0 |
| *Total whole milk production* | | | | | | | | | |
| *Gross value ($m)* | *385.5* | *1 989.7* | *232.3* | *193.6* | *102.6* | *147.7* | *n.p.* | *n.p.* | *3 053.3* |
| *Local value ($m)* | *385.5* | *1 989.7* | *232.3* | *193.6* | *102.6* | *147.7* | *n.p.* | *n.p.* | *3 053.3* |
| *GUV (c/L)* | *29.1* | *29.3* | *30.6* | *27.7* | *26.5* | *25.0* | *n.p.* | *n.p.* | *29.0* |
| **Eggs** | | | | | | | | | |
| Gross value ($m) | 112.5 | 90.4 | 58.6 | 16.8 | 33.6 | 9.0 | n.p. | n.p. | 332.7 |
| Local value ($m) | 101.3 | 80.7 | 51.8 | 14.5 | 29.6 | 8.2 | n.p. | n.p. | 296.8 |
| GUV ($/doz) | 1.81 | 1.63 | 1.52 | 1.29 | 1.48 | 2.09 | n.p. | n.p. | 1.64 |
| **Honey** | | | | | | | | | |
| Gross value ($m) | 16.3 | 6.6 | 3.8 | 4.3 | 2.7 | 1.7 | n.p. | n.p. | 35.5 |
| Local value ($m) | 16.3 | 6.6 | 3.8 | 4.0 | 2.7 | 1.4 | n.p. | n.p. | 34.7 |
| GUV ($/kg) | 1.76 | 1.76 | 1.76 | 1.71 | 1.69 | 2.00 | n.p. | n.p. | 1.76 |
| **Beeswax** | | | | | | | | | |
| Gross value ($m) | 1.0 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | n.p. | n.p. | 2.0 |
| Local value ($m) | 1.0 | 0.4 | 0.2 | 0.3 | 0.1 | 0.1 | n.p. | n.p. | 2.0 |
| GUV ($/kg) | 4.74 | 4.78 | 4.72 | 4.78 | 4.23 | 5.00 | n.p. | n.p. | 4.72 |
| **Total livestock products** | | | | | | | | | |
| **Gross value ($m)** | **1 523.9** | **2 591.6** | **490.3** | **472.1** | **626.6** | **244.4** | **4.8** | **10.9** | **5 964.7** |
| **Local value ($m)** | **1 454.9** | **2 557.6** | **469.7** | **453.3** | **592.4** | **239.5** | **4.5** | **10.0** | **5 782.0** |
| **GUV ($/t)** | .. | .. | .. | .. | .. | .. | .. | .. | .. |

(a) Includes dead wool and wool on skins.

# 21 LAND USE, Area—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha |
| Crops(a) | 6 723 | 3 044 | 2 955 | 3 982 | 7 731 | 79 | 6 | 1 | 24 520 |
| Pastures and grasses | 6 702 | 4 909 | 5 691 | 2 460 | 4 967 | 795 | 69 | 14 | 25 607 |
| Agricultural land(b) | 61 007 | 13 248 | 145 955 | 57 264 | 109 215 | 1 907 | 67 072 | 54 | 455 723 |
| Non-agricultural land(c)(d) | 19 057 | 9 494 | 27 110 | 41 084 | 143 773 | 4 933 | 67 841 | 182 | 313 480 |
| **Total land(d)** | **80 064** | **22 742** | **173 065** | **98 348** | **252 988** | **6 840** | **134 913** | **236** | **769 203** |

(a) Excludes crops harvested for hay and seed.

(b) Total area of establishments with EVAO of $5,000 or more.

(c) Comprises conserved land, forestry, urban and unused land such as vacant Crown land, commercially unused land on Aboriginal and other Crown reserves and waste land, ephemeral lakes, mangrove swamps, etc. as well as establishments not included in the scope of the Agricultural Census.

(d) Total area for Australia includes Jervis Bay Territory.

NOTE: Agricultural land is generally divided into cropped land, land sown to pastures and grasses and a broad balance comprising grazing land, land lying idle or under fallow, etc.

# 22 AREA OF CROPS AND PASTURES IRRIGATED—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha |
| Pastures (native or sown) | 331 | 513 | 77 | 62 | 12 | 30 | — | — | 1 026 |
| Cereals | | | | | | | | | |
| Rice | 177 | 2 | — | (a) | — | (a) | — | — | 179 |
| Other cereals | 215 | 29 | 38 | (a) | 2 | (a) | — | — | 284 |
| *Total cereals* | *392* | *31* | *38* | *4* | *2* | *3* | — | — | *469* |
| Vegetables for human consumption | 18 | 25 | 32 | 14 | 9 | 17 | — | — | 116 |
| Fruit (including nuts) | 26 | 25 | 33 | 18 | 8 | 3 | 3 | — | 116 |
| Grapevines | 32 | 34 | 2 | 57 | 8 | 1 | — | — | 133 |
| Sugar cane | — | (b) | 208 | (b) | 4 | (b) | (b) | — | 211 |
| Cotton | 298 | (b) | 139 | (b) | — | (b) | (b) | (b) | 437 |
| All other crops | 30 | 12 | 23 | 12 | 3 | 14 | — | — | 94 |
| **Total area irrigated** | **1 073** | **640** | **511** | **163** | **46** | **68** | **4** | **—** | **2 506** |

(a) Data not collected separately in South Australia and Tasmania, but are included in 'Total cereals'.

(b) Data not collected.

# 23 USE OF FERTILISERS AND SOIL CONDITIONERS—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| **MANUFACTURED FERTILISERS** | | | | | | | | | |
| Mainly nitrogenous fertilisers | | | | | | | | | |
| Area treated ('000 ha) | 2 991 | 1 109 | 1 143 | 1 267 | 4 913 | 64 | 3 | 1 | 11 491 |
| Quantity used ('000 tonnes) | 426 | 127 | 229 | 119 | 368 | 18 | — | 1 | 1 289 |
| Mainly phosphatic fertilisers | | | | | | | | | |
| Area treated ('000 ha) | 3 169 | 2 978 | 110 | 1 351 | 2 886 | 306 | 3 | 11 | 10 815 |
| Quantity used ('000 tonnes) | 411 | 511 | 19 | 143 | 298 | 67 | 1 | 1 | 1 450 |
| Mainly potassium fertilisers | | | | | | | | | |
| Area treated ('000 ha) | 65 | 288 | 204 | 60 | 964 | 47 | 4 | — | 1 632 |
| Quantity used ('000 tonnes) | 9 | 42 | 32 | 7 | 66 | 7 | — | — | 165 |
| Mainly compound and blended fertilisers | | | | | | | | | |
| Area treated ('000 ha) | 4 105 | 2 642 | 940 | 3 395 | 5 330 | 146 | 5 | — | 16 564 |
| Quantity used ('000 tonnes) | 424 | 331 | 205 | 306 | 476 | 50 | 1 | — | 1 793 |
| All other manufactured fertilisers | | | | | | | | | |
| Area treated ('000 ha) | 274 | 216 | 149 | 147 | 1 606 | 40 | 2 | — | 2 433 |
| Quantity used ('000 tonnes) | 38 | 51 | 67 | 19 | 163 | 15 | — | — | 353 |
| **Total area treated ('000 ha)** | **10 604** | **7 232** | **2 546** | **6 221** | **15 699** | **604** | **17** | **12** | **42 936** |
| **Total quantity used ('000 tonnes)** | **1 308** | **1 062** | **552** | **594** | **1 370** | **157** | **3** | **3** | **5 049** |
| **SOIL CONDITIONERS TO CORRECT PHYSICAL PROBLEMS OR STABILISE ACIDITY** | | | | | | | | | |
| To correct or stabilise soil acidity | | | | | | | | | |
| Lime(a) | | | | | | | | | |
| Area treated ('000 ha) | 305 | 245 | 33 | 49 | 460 | 47 | 1 | — | 1 141 |
| Quantity used ('000 tonnes) | 518 | 446 | 72 | 97 | 470 | 141 | — | — | 1 745 |
| Dolomite | | | | | | | | | |
| Area treated ('000 ha) | 12 | 11 | 8 | 5 | 36 | 15 | — | — | 87 |
| Quantity used ('000 tonnes) | 12 | 16 | 14 | 7 | 28 | 34 | — | — | 111 |
| To correct physical soil problems | | | | | | | | | |
| Dolomite | | | | | | | | | |
| Area treated ('000 ha) | 6 | 5 | 5 | 3 | 27 | 3 | — | — | 49 |
| Quantity used ('000 tonnes) | 5 | 5 | 8 | 3 | 18 | 6 | — | — | 44 |
| Gypsum | | | | | | | | | |
| Area treated ('000 ha) | 333 | 304 | 33 | 121 | 183 | 2 | 1 | — | 978 |
| Quantity used ('000 tonnes) | 349 | 592 | 69 | 228 | 136 | 2 | 1 | — | 1 376 |
| **Total area treated ('000 ha)** | **657** | **565** | **79** | **178** | **707** | **68** | **2** | **—** | **2 255** |
| **Total quantity used ('000 tonnes)** | **884** | **1 059** | **164** | **335** | **652** | **183** | **1** | **—** | **3 277** |

(a) Including crushed limestone and limesand products.

# 24 GROUND PREPARATION METHODS—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha | '000 ha |
| **CULTIVATION FOR BROADACRE CROPS(a)** | | | | | | | | | |
| No cultivation (apart from actual sowing operation) | 1 262 | 485 | 544 | 766 | 4 478 | 7 | — | — | 7 542 |
| One or two cultivations only immediately prior to sowing | 2 584 | 1 049 | 759 | 2 475 | 1 783 | 21 | 1 | — | 8 673 |
| More than two cultivations | 1 550 | 940 | 670 | 401 | 181 | 19 | — | — | 3 761 |
| **Total area prepared for sowing of crops** | **5 396** | **2 474** | **1 974** | **3 642** | **6 442** | **47** | **1** | **—** | **19 976** |
| **TREATMENT OF CROP STUBBLE** | | | | | | | | | |
| Removed by hot burn | 781 | 435 | 23 | 368 | 443 | 3 | — | — | 2 053 |
| Removed by cool burn | 707 | 236 | 60 | 250 | 378 | 4 | — | — | 1 636 |
| Removed by baling or heavy grazing | 330 | 174 | 169 | 320 | 785 | 7 | 1 | — | 1 787 |
| Ploughed into the soil | 1 509 | 452 | 704 | 488 | 333 | 13 | — | — | 3 499 |
| Mulched | 359 | 274 | 276 | 439 | 99 | 1 | — | — | 1 448 |
| Left intact | 848 | 253 | 554 | 531 | 2 657 | 3 | — | 1 | 4 847 |
| All other methods | 151 | 67 | 79 | 138 | 208 | 1 | — | — | 644 |
| **Total area treated** | **4 687** | **1 891** | **1 865** | **2 535** | **4 902** | **33** | **1** | **1** | **15 914** |
| **CROPPING LAND LEFT FALLOW** | | | | | | | | | |
| Area of cropping land left fallow | 1 960 | 1 018 | 917 | 834 | 515 | 22 | 2 | — | 5 269 |

(a) Cultivation includes discing, ploughing, scarifying and harrowing, etc.

# 25 FENCING BUILT TO PROTECT AREAS FROM GRAZING—Year ended 30 June 2001

| | *NSW* | *Vic.* | *Qld* | *SA* | *WA* | *Tas.* | *NT* | *ACT* | *Aust.* |
|---|---|---|---|---|---|---|---|---|---|
| | km | km | km | km | km | km | km | km | km |
| Fencing to protect | | | | | | | | | |
| Remnant native vegetation | 2 666 | 1 416 | 559 | 1 227 | 2 298 | 717 | 7 | 17 | 8 906 |
| Planted trees and shrubs | 4 775 | 4 272 | 416 | 1 587 | 3 454 | 237 | 13 | 25 | 14 779 |
| Creeks and rivers | 2 709 | 2 978 | 2 075 | 641 | 2 377 | 556 | 342 | 64 | 11 742 |
| Saline areas | 533 | 843 | 165 | 565 | 2 556 | 33 | — | — | 4 696 |
| Other degraded areas | 436 | 458 | 540 | 184 | 336 | 54 | 28 | 1 | 2 036 |
| All other areas | 2 893 | 1 651 | 3 512 | 699 | 1 669 | 286 | 70 | 1 | 10 782 |
| **Total fencing length** | **14 012** | **11 618** | **7 267** | **4 903** | **12 691** | **1 882** | **460** | **108** | **52 941** |

# 26 TREES AND SHRUBS PLANTED AS SEEDLINGS—Year ended 30 June 2001

| | NSW | Vic. | Qld | SA | WA | Tas. | NT | ACT | Aust. |
|---|---|---|---|---|---|---|---|---|---|
| Seedlings planted for | | | | | | | | | |
| Timber or pulp production | | | | | | | | | |
| no. ('000) | 2 825 | 2 611 | 495 | 873 | 10 363 | 1 193 | 3 | 20 | 18 383 |
| area (ha) | 2 400 | 2 226 | 506 | 742 | 7 323 | 805 | 4 | 14 | 14 020 |
| Other purposes | | | | | | | | | |
| Nature conservation | | | | | | | | | |
| no. ('000) | 798 | 1 064 | 269 | 234 | 1 094 | 45 | — | 9 | 3 513 |
| area (ha) | 14 721 | 5 179 | 1 296 | 1 809 | 2 795 | 147 | 1 | 18 | 25 966 |
| Enhanced production (e.g. shade, windbreaks, etc.) | | | | | | | | | |
| no. ('000) | 1 686 | 1 684 | 136 | 624 | 1 230 | 111 | — | 2 | 5 474 |
| area (ha) | 19 056 | 12 951 | 1 598 | 3 979 | 9 628 | 414 | 5 | 6 | 47 637 |
| Fodder and plant products (e.g. bush food, oils, etc.) | | | | | | | | | |
| no. ('000) | 1 214 | 186 | 554 | 580 | 1 851 | *2 | — | — | 4 386 |
| area (ha) | 766 | 212 | 283 | 567 | 2 993 | *13 | — | — | 4 834 |
| Protection of land and water | | | | | | | | | |
| no. ('000) | 854 | 1 596 | 133 | 778 | 8 225 | 28 | — | 1 | 11 615 |
| area (ha) | 7 641 | 6 540 | 661 | 2 790 | 21 153 | 103 | — | 32 | 38 919 |
| Other plantings | | | | | | | | | |
| no. ('000) | 303 | 113 | *128 | 150 | 479 | 3 | — | — | 1 176 |
| area (ha) | 1 107 | 345 | 275 | 398 | *2 320 | 26 | — | 3 | 4 474 |
| *Total other purposes* | | | | | | | | | |
| *no. ('000)* | *4 856* | *4 642* | *1 221* | *2 366* | *12 879* | *189* | — | *12* | *26 165* |
| *area (ha)* | *43 292* | *25 226* | *4 112* | *9 542* | *38 889* | *703* | *6* | *59* | *121 829* |
| **Total seedlings planted** | | | | | | | | | |
| **no. ('000)** | **7 681** | **7 253** | **1 715** | **3 239** | **23 242** | **1 383** | **3** | **32** | **44 548** |
| **area (ha)** | **45 692** | **27 452** | **4 618** | **10 284** | **46 212** | **1 507** | **10** | **73** | **135 848** |

# EXPLANATORY NOTES

## INTRODUCTION

**1** This publication contains final estimates for the main commodities collected in the Agricultural Census. It contains detailed statistics on crops, livestock and livestock products, land management and characteristics of farms. Also included are detailed statistics on the value of agricultural commodities produced (VACP).

## SCOPE AND COVERAGE

**2** Estimates of farm production are based on information obtained from the Agricultural Census conducted at 30 June 2001. Prior to 2000 information was obtained for the period ending 31 March. The ABS has changed the collection period to 30 June to better align with other ABS surveys. A study of respondent data indicated that there should be no significant difference in estimates collected between the reference periods. VACP quantity data are collected from the Agricultural Census and other Australian Bureau of Statistics (ABS) collections with some information from external sources (e.g. Australian Dairy Corporation). Most price information is obtained from non-ABS sources such as marketing boards, marketing reports, wholesalers, brokers and auctioneers.

**3** The scope of the 2000–01 Agricultural Census is establishments undertaking agricultural activity with an estimated value of agricultural operations (EVAO) of $5,000 or more. This is the same as the scope for Agricultural Censuses from 1993–94 to 1996–97 and the 1997–98, 1998–99 and 1999–2000 Agricultural Commodity Surveys (ACS). Prior to 1993–94 scope has varied and these details are available on request.

## AGRICULTURAL ESTABLISHMENTS

**4** For the Agricultural Census, the concept of an establishment is the same as that used by the ABS for all industry statistics collections. The establishment is the smallest accounting unit of business within a state or territory, controlling its productive activities and maintaining a specified range of detailed data enabling value added to be calculated. In general an establishment covers all operations at a physical location, but may consist of a group of locations provided they are within the same state or territory. The majority of establishments operate at one location only.

## INDUSTRY CLASSIFICATION

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

## SAMPLE ERROR

**6** The estimates in this publication are based on information obtained from respondents to the 2000–01 Agricultural Census. Since not all selected units responded, the estimates may differ from those that would have been produced if all farms had responded. One measure of the likely difference is given by the standard error (SE), which indicates the extent to which an estimate might vary by chance when not all units have responded, i.e. when a 'sample' of responses only is obtained. There are about two chances in three that a 'sample' estimate will differ by less than one SE from the figure that would have been obtained if all farms had responded, and about nineteen chances in twenty that the difference will be less than two SEs.

**7** In this publication, 'sampling' variability of the estimates is measured by the relative standard error (RSE) which is obtained by expressing the SE as a percentage of the estimate to which it refers.

**8** Most published estimates have RSEs less than 5%. For some states with limited production of certain commodities, RSEs are greater than 25%. If an estimate is identified by a single asterisk (e.g. *2) the RSE lies between 25% and 50%. If an estimate is identified by a double asterisk (e.g. **) the RSE is above 50% and is not published. Separate indication of the RSEs of all estimates is available on request.

RELATIVE STANDARD ERROR OF SELECTED COMMODITIES—As at 30 June 2001

| Commodity | *NSW* % | *Vic.* % | *Qld* % | *SA* % | *WA* % | *Tas.* % | *NT* % | *ACT* % | *Aust.* % |
|---|---|---|---|---|---|---|---|---|---|
| Barley for grain production | 1.1 | 0.6 | 1.7 | 0.5 | 0.7 | 1.8 | . . | — | 0.3 |
| Grain sorghum production | 1.5 | 11.1 | 1.4 | . . | 23.5 | . . | — | . . | 1.0 |
| Oats for grain production | 1.1 | 0.9 | 6.7 | 1.7 | 0.8 | 2.3 | . . | — | 0.5 |
| Wheat for grain production | 0.5 | 1.3 | 1.3 | 0.4 | 0.4 | 2.0 | . . | — | 0.3 |
| Lupins for grain production | 1.5 | 1.9 | 24.5 | 1.7 | 0.9 | 16.0 | . . | — | 0.7 |
| Cereals for hay production | 5.6 | 1.6 | 5.3 | 1.2 | 1.4 | 4.3 | — | — | 1.1 |
| Canola production | 0.8 | 0.8 | 15.7 | 1.1 | 0.9 | 6.5 | . . | — | 0.5 |
| Sugar cane cut for crushing production | 1.1 | . . | 0.6 | . . | 2.6 | . . | . . | . . | 0.5 |
| Cotton lint production | 1.6 | . . | 1.7 | . . | — | . . | . . | . . | 1.2 |
| Total milk cattle | 0.9 | 0.3 | 1.2 | 1.3 | 1.4 | 1.3 | — | — | 0.3 |
| Total meat cattle | 0.4 | 0.5 | 0.5 | 0.8 | 1.1 | 0.8 | — | — | 0.3 |
| Total sheep and lambs | 0.3 | 0.3 | 1.0 | 0.4 | 0.4 | 0.8 | — | — | 0.2 |
| Total pigs | 1.5 | 2.3 | 1.9 | 1.6 | 1.8 | 3.2 | — | — | 0.9 |

## CROPS, PASTURES AND HORTICULTURE

**9** Statistics on area and production of crops relate in the main, to crops sown during the year ended 30 June. Statistics of perennial crops relate to the position as at 30 June and the production during the year ended on that date, or of fruit set by that date. Statistics for apples and pears, which in some states are harvested after 30 June, are collected by supplementary collection forms and are included in this publication.

LIVESTOCK SLAUGHTERING AND LIVESTOCK PRODUCTS

**10** The statistics on livestock slaughtering and meat production are based on data collected from abattoirs and other major slaughtering establishments and include estimates of animals slaughtered on farms and by country butchers and other small slaughtering establishments. Care should be taken when using this information as the figures only relate to slaughtering for human consumption and do not include animals condemned or those killed for boiling down. Definitions of livestock categories may differ between states and within states, particularly with regard to calves.

WOOL

**11** Wool production statistics contained in this publication are derived from the quarterly ABS Wool Brokers and Dealers Receivals Collection.

**12** Wool receivals statistics show the amount of taxable wool received by brokers and dealers from wool producers. It excludes wool received by brokers on which wool tax has already been paid by other dealers (private buyers) or brokers.

MILK

**13** Milk statistics have been collected and provided to the ABS by the Australian Dairy Corporation.

POULTRY

**14** Poultry slaughtering statistics have been compiled from returns supplied by commercial poultry slaughtering establishments. Producers in Tasmania, the Northern Territory and the Australian Capital Territory are not included in the aggregates derived from the Poultry and Game Birds Slaughtered collection. However, the statistics represent a high level of coverage.

ABS DATA AVAILABLE ON REQUEST

**15** As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to either Jackie Saarinen on Hobart 03 6222 5948 or the National Information and Referral Service on 1300 135 070.

GENERAL ACKNOWLEDGMENT

**16** ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated: without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the *Census and Statistics Act 1905*.

RELATED PUBLICATIONS

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

*Agriculture, Australia,* cat. no. 7113.0

*Livestock and Meat, Australia,* cat. no. 7218.0

*Livestock Products, Australia,* cat. no. 7215.0

*Principal Agricultural Commodities, Australia, Preliminary,* cat. no. 7111.0

*Value of Principal Agricultural Commodities Produced, Australia, Preliminary,* cat. no. 7501.0

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

*Australian National Accounts: National Income, Expenditure and Product,* cat. no. 5206.0

*Australian National Accounts: State Accounts,* cat. no. 5220.0

*Business Operations and Industry Performance, Australia,* cat. no. 8140.0

**19** Current publications and other products released by the ABS are listed in the *Catalogue of Publications and Products* (cat. no. 1101.0). The Catalogue is available from any ABS office or the ABS web site <http://www.abs.gov.au>. The ABS also issues a daily Release Advice on the web site which details products to be released in the week ahead.

## ABBREVIATIONS AND SYMBOLS

**20** The following abbreviations and symbols have been used in this publication:

| | |
|---|---|
| ABR | Australian Business Register |
| ABS | Australian Bureau of Statistics |
| ACS | Agricultural Commodity Survey |
| ACT | Australian Capital Territory |
| ANZSIC | Australian and New Zealand Standard Industrial Classification |
| ASIC | Australian Standard Industrial Classification |
| ATO | Australian Taxation Office |
| Aust. | Australia |
| c | cents |
| EVAO | estimated value of agricultural operations |
| GUV | gross unit value |
| ha | hectares |
| kg | kilograms |
| L | litres |
| ML | million litres |
| n.e.c. | not elsewhere classified |
| n.e.i. | not elsewhere included |
| n.p. | not available for publication but included in totals where applicable |
| NSW | New South Wales |
| NT | Northern Territory |
| Qld | Queensland |
| RSE | relative standard error |
| SA | South Australia |
| SE | standard error |
| t | tonnes |
| Tas. | Tasmania |
| VACP | value of agricultural commodities produced |
| Vic. | Victoria |
| WA | Western Australia |
| wt | weight |
| — | nil or rounded to zero (including null cells) |
| * | data subject to sampling variability between 25% and 50% |
| ** | data subject to sampling variability greater than 50%, estimate is not published |
| . . | not applicable |
| '000 | thousands |
| $m | dollars, millions |

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

**1** Some of the data items in this publication have undergone significant change since the release of preliminary estimates on 30 October 2001. Analysis has indicated that the early estimates were high due to problems with the survey selection frame.

**2** This issue has arisen due to difficulties being experienced in tracking information about the transfer of ownership and operation of farms. Information made available by the Australian Taxation Office (ATO) through the Australian Business Register (ABR) provides an authoritative source of information about new businesses, but there is no equivalent comprehensive source of information about businesses which discontinue operations. This has led to under estimation of the number of out-of-scope and no-longer-operating units on the selection frame, an inflated estimate of operating establishments, and associated over estimation of some commodity information.

**3** The problem can be illustrated by looking at the published total number of farm establishments over the last ten years. In the graph below the number of units is seen to gradually rise as the frame becomes degraded over the period from 1997–98. The dip in the graph in 2000–01 shows the effect when a full census of farm businesses was undertaken in 2000–01, and full response information became known for final results.

NUMBER OF LIVE AGRICULTURAL ESTABLISHMENTS

**4** Analysis of the non-responding population from the census indicated that the intervening sample surveys were not identifying the true extent of out-of-scope or no-longer-operating units on the frame. As a result, an investigation of samples of census non-responding units was undertaken to determine the likely extent of these units among the other non-responding units. This was used to derive an adjustment factor to apply to the responding data to account for the difference between the proportion of out-of-scope or no-longer-operating units in the 'responding' population, and the proportion of out-of-scope or no-longer-operating units in the 'non-responding' population. This adjustment factor was applied to produce the estimates presented in this publication.

## REVISION OF 2000–01 PRELIMINARY DATA

**5** The impact of the revision process is indicated in the table below. Preliminary estimates were produced when response was at the 65% level and before the problems with the frame were identified and measured.

**6** If no adjustment had been made to the census frame, estimates of the level shown in the 'unadjusted final estimate' column would have applied. This illustrates that some level of change would have occurred from the preliminary estimates with more complete response, whether or not the frame adjustments had been necessary.

**7** The final column provides the 'adjusted final estimate' after taking into account the full effects of the analysis of out-of scope and no-longer-operating units.

**8** The size of the change varies by 'commodity'. This reflects the varying impact of the adjustments on different survey strata arising from the investigation of samples of census non-responding units.

### COMPARISON BETWEEN PRELIMINARY, UNADJUSTED FINAL AND ADJUSTED FINAL ESTIMATES FROM 2000–01 AGRICULTURAL CENSUS

| *Commodity* | *Preliminary estimate* | *Unadjusted final estimate* | *Adjusted final estimate* |
|---|---|---|---|
| No. of agricultural establishments | n.a. | 148 309 | 140 516 |
| Area of agricultural land ('000 ha) | n.a. | 461 837 | 455 723 |
| Barley for grain, production ('000 t) | 7 196 | 6 900 | 6 743 |
| Grain sorghum, production ('000 t) | 2 109 | 1 977 | 1 935 |
| Oats for grain, production ('000 t) | 1 131 | 1 080 | 1 050 |
| Wheat for grain, production ('000 t) | 23 766 | 22 587 | 22 108 |
| Lupins for grain, production ('000 t) | 1 140 | 1 076 | 1 055 |
| Cereals for hay, production ('000 t) | 1 717 | 1 701 | 1 657 |
| Canola, production ('000 t) | 1 905 | 1 813 | 1 775 |
| Sugar cane cut for crushing, production ('000 t) | 30 427 | 29 205 | 28 117 |
| Cotton lint, production ('000 t) | 696 | 678 | 666 |
| Milk cattle ('000) | 3 396 | 3 333 | 3 217 |
| Meat cattle ('000) | 25 372 | 25 047 | 24 504 |
| Sheep and lambs ('000) | 119 890 | 113 872 | 110 928 |
| Pigs ('000) | 2 763 | 2 797 | 2 748 |

## REVISION OF PREVIOUS SURVEY DATA

**9** This publication provides results for the 2000–01 Agricultural Census without the usual time series (three years of data). Analysis is being undertaken on the non-responding population for the previous survey years to determine a truer estimate of live populations for those years. Adjusted estimates for previous years will be published in a forthcoming issue of *Agriculture, Australia* (cat. no. 7113.0).

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