

# 2002 California Grape Acreage Report



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CALIFORNIA AGRICULTURAL  
STATISTICS SERVICE

## RESULTS

California's 2002 grape acreage is estimated by the California Agricultural Statistics Service (CASS) at 932,000 acres. Of the total acres, 847,000 were bearing and 85,000 were non-bearing. The breakdown by type is as follows: Raisin type totaled 279,000 acres with 273,000 bearing and 6,000 non-bearing; Table type totaled 97,000 acres with 88,000 bearing and 9,000 non-bearing; Wine type totaled 556,000 acres with 486,000 bearing and 70,000 non-bearing.

The Thompson Seedless variety -- used for raisins, fresh market, concentrate, and wine -- continues to be, by far, the leading grape planted in California. Flame Seedless is the leading table type grape. Leading wine varieties are Chardonnay and Cabernet Sauvignon.

ESTIMATED GRAPE ACREAGE 1/

| Type        | 2001    | 2002    | Percent Change |
|-------------|---------|---------|----------------|
| Raisin      | 283,000 | 279,000 | -1.4           |
| Bearing     | 276,000 | 273,000 | -1.1           |
| Non-Bearing | 7,000   | 6,000   | -14.3          |
| Table       | 98,000  | 97,000  | -1.0           |
| Bearing     | 88,000  | 88,000  | NC             |
| Non-Bearing | 10,000  | 9,000   | -10.0          |
| Wine        | 570,000 | 556,000 | -2.5           |
| Bearing     | 480,000 | 486,000 | +1.0           |
| Non-Bearing | 90,000  | 70,000  | -22.2          |
| All Grapes  | 951,000 | 932,000 | -2.0           |
| Bearing     | 844,000 | 847,000 | NC             |
| Non-Bearing | 107,000 | 85,000  | -20.6          |

1/ Reported data with an allowance for incompleteness.

## OBJECTIVES

The purpose of this survey is to provide annual grape acreage with information on new plantings and removals. It is a continuation of a long series of industry-funded grape acreage surveys.

Users are cautioned that this report consists of two parts:

- ▶ Estimated grape acreage -- bearing, non-bearing, and total.
- ▶ Detailed data by variety, year planted, and county -- as voluntarily reported by grape growers and maintained in CASS' data base.

With perfect information, the estimated grape acreage and the detailed data would be equivalent. However, this will never be the case for the following reasons:

- ▶ A voluntary census of approximately 10,000 grape growers is unlikely to ever attain 100 percent completeness.
- ▶ It is extremely difficult for a small staff in Sacramento to detect growers that are planting grapes for the first time.
- ▶ The detailed data reflects vine removals from more than 37,000 acres during the past twelve months. Of this number, significant acreage was harvested in 2002 prior to being pulled out, and that acreage has already been removed from the detailed data.

## PROCEDURES

The major source of the grape detailed data was a questionnaire mailed to all grape growers included on CASS' data base. The mailing was made in late December 2002 to approximately 10,000 grape growers. The questionnaire contained previously reported crop, variety, and acreage information preprinted. Producers were asked to update the information with new plantings, removals, and any other corrections; new growers were mailed a blank questionnaire. Growers were given six weeks to respond by mail. A telephone follow-up was then undertaken. Field personnel personally visited large growers who did not respond by mail or telephone.

To arrive at the estimated grape acreage, the CASS grape acreage data base was compared with data provided from the pesticide application data maintained by County Agricultural Commissioners and the Department of Pesticide Regulation.

## ACKNOWLEDGMENTS

We sincerely thank the many farm operators, owners, and management firms providing the information. Funding was provided by an assessment on wine grapes plus funding from the California Table Grape Commission. The raisin industry did not fund the acreage survey this year so the raisin variety data are not included in this report.

Appreciation is due the following office staff for the hundreds of hours spent phoning and processing survey information: Jeff Olson (Agricultural Statistician), Pamela Benner, Regina Claypoole, Pearl Gonzalez, Ann Jehn, Janell McAllister, Lupe Moreno, Jeremiah Rhine, and Sheryl Zazzi.

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**TABLE 1 - ALL GRAPES: ACREAGE STANDING BY TYPE, BY YEAR PLANTED, CALIFORNIA**

| Variety                     | 1994 and Earlier | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2002    |                           |         | 2001 Total |
|-----------------------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------------------------|---------|------------|
|                             |                  |        |        |        |        |        |        |        |        | Bearing | Non-Bearing <sup>1/</sup> | Total   |            |
| Acres                       |                  |        |        |        |        |        |        |        |        |         |                           |         |            |
| Raisin                      | 249,215          | 2,123  | 2,353  | 2,855  | 2,232  | 2,391  | 2,593  | 1,361  | 721    | 261,170 | 4,674                     | 265,844 | 274,860    |
| Table                       | 59,082           | 5,201  | 5,579  | 4,643  | 5,027  | 2,547  | 3,249  | 2,410  | 1,267  | 82,370  | 6,634                     | 89,004  | 89,376     |
| Wine                        | 255,317          | 24,446 | 37,720 | 46,125 | 37,786 | 29,783 | 24,908 | 16,937 | 8,244  | 431,177 | 50,089                    | 481,266 | 489,579    |
| White                       | 119,574          | 8,368  | 13,821 | 16,608 | 11,524 | 7,925  | 5,732  | 4,252  | 2,788  | 177,821 | 12,773                    | 190,594 | 201,317    |
| Red                         | 135,743          | 16,078 | 23,899 | 29,517 | 26,261 | 21,858 | 19,176 | 12,684 | 5,456  | 253,357 | 37,316                    | 290,673 | 288,262    |
| Grapes, Excluding Rootstock | 563,614          | 31,770 | 45,653 | 53,624 | 45,044 | 34,721 | 30,750 | 20,707 | 10,232 | 774,718 | 61,397                    | 836,114 | 853,815    |
| Rootstock                   | 112              | 29     | 6      | 33     | 261    | 70     | 80     | 267    | 106    | 0       | 0                         | 963     | 909        |
| All Grapes                  | 563,727          | 31,799 | 45,658 | 53,657 | 45,305 | 34,791 | 30,830 | 20,974 | 10,338 | 774,718 | 61,397                    | 837,077 | 854,723    |

<sup>1/</sup> Non-bearing years are 2000, 2001, and 2002. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

**TABLE 2 - RAISIN TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA**

| Variety   | 1994 and Earlier | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002 | 2002    |                           |         | 2001 Total |
|---|------------------|-------|-------|-------|-------|-------|-------|-------|------|---------|---------------------------|---------|------------|
|   |                  |       |       |       |       |       |       |       |      | Bearing | Non-Bearing <sup>1/</sup> | Total   |            |
| Acres   |                  |       |       |       |       |       |       |       |      |         |                           |         |            |
| <b>RAISIN VARIETAL DATA ARE NOT AVAILABLE THIS YEAR DUE TO LACK OF FUNDING.</b> |                  |       |       |       |       |       |       |       |      |         |                           |         |            |
| Total Raisin  | 249,215          | 2,123 | 2,353 | 2,855 | 2,232 | 2,391 | 2,593 | 1,361 | 721  | 261,170 | 4,674                     | 265,844 | 274,860    |

<sup>1/</sup> Non-bearing years are 2000, 2001, and 2002. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

**TABLE 3 - TABLE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA**

| Variety              | 1994 and Earlier | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002  | 2002    |                           |        | 2001 Total |
|----------------------|------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------------------------|--------|------------|
|                      |                  |       |       |       |       |       |       |       |       | Bearing | Non-Bearing <sup>1/</sup> | Total  |            |
| Acres                |                  |       |       |       |       |       |       |       |       |         |                           |        |            |
| Autumn Royal         | 46               | 10    | 119   | 19    | 273   | 368   | 413   | 730   | 350   | 835     | 1,493                     | 2,328  | 1,797      |
| Autumn Seedless      | 52               | 0     | 0     | 9     | 39    | 5     | 7     | 2     | 0     | 104     | 9                         | 113    | 108        |
| Beauty Seedless *    | 399              | 2     | 4     | 18    | 8     | 20    | 4     | 0     | 0     | 451     | 4                         | 454    | 593        |
| Black Emerald        | 0                | 0     | 9     | 0     | 63    | 0     | 19    | 4     | 0     | 72      | 23                        | 95     | 131        |
| Black Monukka        | 324              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 325     | 0                         | 325    | 352        |
| Calmeria             | 1,144            | 18    | 39    | 10    | 274   | 36    | 43    | 28    | 21    | 1,520   | 92                        | 1,612  | 1,316      |
| Cardinal             | 98               | 31    | 0     | 27    | 8     | 0     | 0     | 0     | 0     | 164     | 0                         | 164    | 164        |
| Christmas Rose       | 957              | 9     | 40    | 9     | 0     | 3     | 0     | 0     | 0     | 1,017   | 0                         | 1,017  | 1,054      |
| Early Muscat         | 144              | 0     | 3     | 0     | 0     | 0     | 0     | 0     | 0     | 147     | 0                         | 147    | 147        |
| Emerald Seedless *   | 649              | 15    | 8     | 29    | 26    | 50    | 5     | 0     | 0     | 776     | 5                         | 781    | 637        |
| Emperatriz           | 123              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 123     | 0                         | 123    | 123        |
| Emperor              | 2,234            | 0     | 0     | 0     | 0     | 20    | 0     | 0     | 0     | 2,254   | 0                         | 2,254  | 2,578      |
| Exotic               | 296              | 0     | 0     | 0     | 16    | 0     | 0     | 0     | 0     | 312     | 0                         | 312    | 346        |
| Fantasy Seedless     | 640              | 0     | 10    | 39    | 51    | 40    | 0     | 0     | 0     | 780     | 0                         | 780    | 809        |
| Flame Seedless *     | 23,191           | 684   | 352   | 585   | 516   | 151   | 120   | 87    | 127   | 25,492  | 320                       | 25,812 | 26,407     |
| Flame Tokay          | 1,281            | 0     | 0     | 10    | 0     | 0     | 28    | 0     | 0     | 1,291   | 28                        | 1,319  | 1,985      |
| Flaming Red          | 182              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 182     | 0                         | 182    | 182        |
| Italia *             | 171              | 20    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 192     | 0                         | 192    | 192        |
| Jade Seedless        | 150              | 0     | 0     | 0     | 46    | 0     | 0     | 0     | 0     | 196     | 0                         | 196    | 236        |
| Kyoho                | 58               | 0     | 7     | 0     | 0     | 5     | 2     | 0     | 0     | 70      | 2                         | 72     | 75         |
| Late Seedless        | 61               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 61      | 0                         | 61     | 61         |
| Malaga *             | 356              | 12    | 0     | 14    | 0     | 0     | 0     | 0     | 0     | 382     | 0                         | 382    | 396        |
| Marroo               | 213              | 15    | 22    | 0     | 0     | 0     | 0     | 0     | 0     | 250     | 0                         | 250    | 248        |
| Muscat Flame         | 5                | 0     | 0     | 0     | 0     | 34    | 0     | 15    | 0     | 39      | 15                        | 54     | 54         |
| Niabell              | 239              | 0     | 2     | 0     | 7     | 0     | 0     | 0     | 4     | 247     | 4                         | 251    | 247        |
| Perlette             | 3,915            | 10    | 0     | 129   | 70    | 0     | 68    | 0     | 0     | 4,191   | 0                         | 4,191  | 4,327      |
| Prima Black Seedless | 159              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 159     | 0                         | 159    | 159        |
| Princess             | 12               | 0     | 0     | 0     | 19    | 225   | 683   | 225   | 20    | 302     | 880                       | 1,183  | 1,244      |
| Queen                | 91               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 6     | 91      | 6                         | 97     | 91         |
| Red Crimson *        | 2,902            | 1,347 | 1,878 | 1,314 | 2,277 | 1,131 | 1,189 | 671   | 473   | 10,849  | 2,332                     | 13,181 | 12,466     |
| Red Globe *          | 8,432            | 2,093 | 2,725 | 1,581 | 445   | 124   | 40    | 156   | 84    | 15,430  | 250                       | 15,679 | 15,576     |
| Red Seedless         | 703              | 0     | 25    | 12    | 0     | 60    | 20    | 19    | 41    | 800     | 80                        | 880    | 682        |
| Ribier               | 651              | 0     | 56    | 0     | 0     | 0     | 15    | 0     | 0     | 707     | 15                        | 722    | 770        |
| Rouge                | 221              | 260   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 481     | 0                         | 481    | 481        |
| Ruby Imperial        | 132              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 132     | 0                         | 132    | 129        |
| Ruby Seedless *      | 5,174            | 410   | 90    | 112   | 51    | 176   | 0     | 13    | 2     | 6,011   | 15                        | 6,026  | 6,454      |
| Sugraone *           | 2,805            | 0     | 52    | 114   | 66    | 5     | 101   | 44    | 0     | 3,089   | 96                        | 3,186  | 3,201      |
| Sugrathirteen        | 0                | 25    | 22    | 0     | 107   | 0     | 39    | 35    | 0     | 193     | 35                        | 228    | 228        |
| Summer Royal         | 0                | 0     | 0     | 0     | 4     | 0     | 19    | 27    | 25    | 4       | 71                        | 76     | 51         |
| Other Table          | 761              | 239   | 117   | 614   | 663   | 96    | 435   | 354   | 115   | 2,535   | 859                       | 3,393  | 2,991      |
| Total Table          | 59,082           | 5,201 | 5,579 | 4,643 | 5,027 | 2,547 | 3,249 | 2,410 | 1,267 | 82,370  | 6,634                     | 89,004 | 89,376     |

\* Synonyms for variety names are shown on Page 4.

<sup>1/</sup> Non-bearing years are 2000, 2001, and 2002. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

**TABLE 4 - WHITE WINE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA**

| Variety                 | 1994 and Earlier | 1995         | 1996          | 1997          | 1998          | 1999         | 2000         | 2001         | 2002         | 2002           |                           |                | 2001 Total     |
|-------------------------|------------------|--------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|----------------|---------------------------|----------------|----------------|
|                         |                  |              |               |               |               |              |              |              |              | Bearing        | Non-Bearing <sup>1/</sup> | Total          |                |
| Acres                   |                  |              |               |               |               |              |              |              |              |                |                           |                |                |
| Burger *                | 816              | 0            | 24            | 449           | 174           | 15           | 11           | 0            | 0            | 1,478          | 11                        | 1,489          | 1,880          |
| Chardonnay *            | 48,924           | 7,390        | 11,570        | 11,996        | 7,593         | 4,721        | 3,918        | 1,904        | 728          | 92,193         | 6,550                     | 98,743         | 103,105        |
| Chenin Blanc            | 14,987           | 53           | 96            | 346           | 231           | 20           | 34           | 0            | 34           | 15,731         | 68                        | 15,799         | 18,022         |
| Emerald Riesling        | 269              | 0            | 0             | 0             | 0             | 0            | 0            | 0            | 0            | 269            | 0                         | 269            | 274            |
| Folle Blanche           | 35               | 0            | 0             | 0             | 4             | 13           | 0            | 0            | 0            | 51             | 0                         | 51             | 42             |
| French Colombard        | 34,575           | 69           | 250           | 5             | 4             | 100          | 168          | 0            | 2            | 35,003         | 170                       | 35,173         | 39,546         |
| Gewurztraminer          | 959              | 101          | 29            | 332           | 94            | 10           | 4            | 2            | 17           | 1,524          | 23                        | 1,547          | 1,533          |
| Grenache Blanc          | 7                | 0            | 1             | 0             | 32            | 2            | 16           | 2            | 4            | 41             | 22                        | 63             | 21             |
| Malvasia Bianca *       | 2,027            | 0            | 93            | 6             | 30            | 25           | 9            | 0            | 42           | 2,180          | 51                        | 2,231          | 2,418          |
| Marsanne                | 31               | 8            | 0             | 7             | 7             | 1            | 5            | 5            | 0            | 53             | 10                        | 62             | 58             |
| Muscat Blanc *          | 658              | 9            | 53            | 17            | 61            | 52           | 67           | 16           | 0            | 849            | 83                        | 932            | 1,195          |
| Muscat of Alexandria    | 3,832            | 6            | 13            | 13            | 75            | 241          | 223          | 1            | 0            | 4,179          | 224                       | 4,403          | 5,067          |
| Muscat Orange           | 59               | 24           | 8             | 13            | 31            | 6            | 24           | 0            | 0            | 140            | 24                        | 164            | 172            |
| Palomino *              | 609              | 0            | 50            | 0             | 0             | 0            | 0            | 0            | 0            | 659            | 0                         | 659            | 727            |
| Pinot Blanc             | 576              | 10           | 14            | 37            | 22            | 30           | 9            | 26           | 0            | 689            | 35                        | 724            | 882            |
| Pinot Gris *            | 221              | 200          | 265           | 314           | 326           | 457          | 497          | 1,054        | 713          | 1,782          | 2,263                     | 4,045          | 2,835          |
| Roussanne               | 6                | 12           | 4             | 30            | 28            | 32           | 42           | 20           | 4            | 112            | 66                        | 177            | 177            |
| Sauvignon Blanc         | 7,367            | 234          | 676           | 1,637         | 1,822         | 610          | 472          | 927          | 795          | 12,345         | 2,194                     | 14,539         | 13,933         |
| Sauvignon Musque        | 29               | 16           | 25            | 26            | 38            | 14           | 0            | 0            | 1            | 147            | 1                         | 149            | 154            |
| Semillon                | 678              | 21           | 105           | 251           | 71            | 35           | 12           | 41           | 109          | 1,161          | 161                       | 1,322          | 1,357          |
| St. Emillion *          | 312              | 0            | 0             | 0             | 0             | 0            | 0            | 0            | 0            | 312            | 0                         | 312            | 369            |
| Symphony                | 356              | 0            | 74            | 121           | 15            | 0            | 0            | 30           | 0            | 567            | 30                        | 597            | 612            |
| Tocai Friulano          | 110              | 0            | 1             | 0             | 3             | 4            | 7            | 0            | 2            | 118            | 10                        | 128            | 132            |
| Viognier                | 361              | 197          | 207           | 562           | 206           | 140          | 124          | 125          | 81           | 1,672          | 329                       | 2,001          | 1,929          |
| White Riesling *        | 1,573            | 13           | 31            | 11            | 72            | 37           | 6            | 16           | 88           | 1,737          | 110                       | 1,846          | 1,928          |
| Other White Wine        | 199              | 8            | 232           | 437           | 591           | 1,360        | 87           | 85           | 168          | 2,828          | 340                       | 3,168          | 2,950          |
| <b>Total White Wine</b> | <b>119,574</b>   | <b>8,368</b> | <b>13,821</b> | <b>16,608</b> | <b>11,524</b> | <b>7,925</b> | <b>5,732</b> | <b>4,252</b> | <b>2,788</b> | <b>177,821</b> | <b>12,773</b>             | <b>190,594</b> | <b>201,317</b> |

\* Synonyms for variety names are shown on Page 4.

<sup>1/</sup> Non-bearing years are 2000, 2001, and 2002. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

**TABLE 5 - RED WINE TYPE GRAPES: ACREAGE STANDING BY VARIETY, BY YEAR PLANTED, CALIFORNIA**

| Variety               | 1994 and Earlier | 1995          | 1996          | 1997          | 1998          | 1999          | 2000          | 2001          | 2002         | 2002           |                           |                | 2001 Total     |
|-----------------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------------------|----------------|----------------|
|                       |                  |               |               |               |               |               |               |               |              | Bearing        | Non-Bearing <sup>1/</sup> | Total          |                |
| Acres                 |                  |               |               |               |               |               |               |               |              |                |                           |                |                |
| Alicante Bouschet *   | 985              | 7             | 1             | 120           | 106           | 62            | 26            | 3             | 0            | 1,280          | 29                        | 1,309          | 1,534          |
| Barbera               | 9,240            | 38            | 142           | 62            | 273           | 60            | 59            | 44            | 7            | 9,816          | 110                       | 9,926          | 10,429         |
| Cabernet Franc        | 1,487            | 59            | 176           | 446           | 592           | 233           | 266           | 200           | 67           | 2,994          | 533                       | 3,527          | 3,491          |
| Cabernet Sauvignon    | 26,467           | 2,646         | 6,170         | 10,026        | 9,005         | 8,136         | 7,525         | 4,130         | 1,889        | 62,451         | 13,543                    | 75,994         | 73,964         |
| Carignane             | 5,937            | 5             | 38            | 19            | 21            | 8             | 14            | 1             | 0            | 6,028          | 14                        | 6,042          | 6,658          |
| Carnelian             | 902              | 0             | 483           | 112           | 160           | 0             | 0             | 0             | 0            | 1,657          | 0                         | 1,657          | 1,715          |
| Centurian             | 236              | 0             | 0             | 0             | 0             | 68            | 0             | 0             | 0            | 305            | 0                         | 305            | 325            |
| Charbono              | 46               | 0             | 2             | 2             | 1             | 15            | 16            | 0             | 5            | 65             | 21                        | 86             | 81             |
| Cinsaut *             | 65               | 0             | 2             | 0             | 26            | 23            | 8             | 32            | 0            | 116            | 40                        | 155            | 137            |
| Dolcetto              | 39               | 13            | 4             | 20            | 14            | 0             | 0             | 3             | 0            | 90             | 3                         | 93             | 130            |
| Gamay (Napa) *        | 547              | 15            | 0             | 32            | 21            | 5             | 0             | 0             | 17           | 620            | 17                        | 637            | 673            |
| Gamay Beaujolais      | 406              | 0             | 0             | 0             | 28            | 0             | 13            | 0             | 0            | 434            | 13                        | 447            | 534            |
| Grenache *            | 7,727            | 276           | 377           | 550           | 317           | 213           | 94            | 119           | 20           | 9,460          | 234                       | 9,694          | 10,939         |
| Lambrusco             | 103              | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 103            | 0                         | 103            | 103            |
| Malbec                | 98               | 47            | 55            | 85            | 313           | 105           | 140           | 131           | 18           | 704            | 289                       | 993            | 964            |
| Mataro *              | 319              | 10            | 20            | 30            | 65            | 52            | 74            | 77            | 7            | 495            | 158                       | 653            | 622            |
| Merlot                | 20,048           | 7,217         | 8,354         | 5,206         | 3,943         | 2,695         | 2,054         | 1,739         | 934          | 47,464         | 4,727                     | 52,190         | 51,290         |
| Meunier *             | 171              | 10            | 8             | 1             | 21            | 0             | 0             | 0             | 0            | 211            | 0                         | 211            | 209            |
| Mission               | 532              | 0             | 0             | 0             | 112           | 80            | 0             | 0             | 2            | 724            | 2                         | 726            | 767            |
| Nebbiolo              | 72               | 47            | 19            | 13            | 12            | 15            | 3             | 3             | 4            | 177            | 10                        | 187            | 186            |
| Petit Verdot          | 123              | 13            | 70            | 75            | 113           | 112           | 176           | 142           | 64           | 505            | 382                       | 887            | 815            |
| Petite Sirah          | 1,536            | 127           | 214           | 380           | 395           | 609           | 468           | 410           | 259          | 3,260          | 1,137                     | 4,398          | 4,127          |
| Pinot Noir            | 6,400            | 340           | 1,518         | 2,963         | 2,665         | 2,930         | 3,828         | 2,573         | 664          | 16,815         | 7,064                     | 23,879         | 23,046         |
| Primitivo             | 21               | 0             | 6             | 41            | 33            | 7             | 41            | 38            | 31           | 108            | 109                       | 217            | 184            |
| Royalty               | 547              | 0             | 0             | 0             | 0             | 0             | 1             | 0             | 0            | 547            | 1                         | 548            | 684            |
| Rubired *             | 7,943            | 222           | 473           | 516           | 1,510         | 1,728         | 603           | 214           | 0            | 12,391         | 817                       | 13,208         | 13,368         |
| Ruby Cabernet         | 5,392            | 164           | 237           | 773           | 924           | 434           | 110           | 40            | 24           | 7,924          | 174                       | 8,098          | 8,227          |
| Salvador              | 659              | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0            | 659            | 0                         | 659            | 716            |
| Sangiovese *          | 770              | 150           | 371           | 859           | 283           | 127           | 74            | 87            | 6            | 2,560          | 167                       | 2,727          | 2,943          |
| Syrah *               | 1,216            | 1,047         | 1,161         | 3,275         | 2,817         | 2,394         | 2,383         | 1,217         | 545          | 11,909         | 4,144                     | 16,054         | 14,735         |
| Tempranillo *         | 344              | 41            | 42            | 126           | 21            | 44            | 72            | 49            | 25           | 617            | 145                       | 763            | 706            |
| Touriga Nacional *    | 18               | 0             | 0             | 0             | 0             | 17            | 6             | 25            | 0            | 35             | 31                        | 66             | 30             |
| Zinfandel             | 34,463           | 3,545         | 3,594         | 3,447         | 1,653         | 839           | 1,014         | 969           | 856          | 47,542         | 2,839                     | 50,381         | 49,720         |
| Other Red Wine        | 885              | 39            | 362           | 339           | 821           | 846           | 110           | 441           | 13           | 3,291          | 564                       | 3,854          | 4,209          |
| <b>Total Red Wine</b> | <b>135,743</b>   | <b>16,078</b> | <b>23,899</b> | <b>29,517</b> | <b>26,261</b> | <b>21,858</b> | <b>19,176</b> | <b>12,684</b> | <b>5,456</b> | <b>253,357</b> | <b>37,316</b>             | <b>290,673</b> | <b>288,262</b> |

\* Synonyms for variety names are shown on Page 4.

<sup>1/</sup> Non-bearing years are 2000, 2001, and 2002. Thompson Seedless and all table grapes begin bearing after one non-bearing year in Riverside and Imperial counties.

### Grape Variety Synonyms

Alicante Bouschet – Alicante  
Beauty Seedless -- Black Beauty  
Burger -- Monbadon  
Chardonnay – Pinot Chardonnay  
Cinsault or Cinsaut – Black Malvasia  
Emerald Seedless – Black Seedless  
Flame Seedless -- Red Flame  
Gamay (Napa) -- Valdiguie  
Grenache – Grenache Noir  
Italia – Muscat Italia

Malaga -- White Malaga  
Malvasia Bianca -- Vennentino – Vermintino  
Mataro -- Mourvedre  
Meunier – Pinot Meunier  
Muscat Blanc -- Muscat Canelli  
Palomino -- Golden Chasselas  
Pinot Gris -- Pinot Grigio  
Red Crimson -- Crimson Seedless  
Red Globe -- Rose Ito  
Rubired – Tintoria

Ruby Seedless -- King Ruby  
Sangiovetto -- Sangiovese -- Brunello  
St. Emilion -- Ugni Blanc -- Trebbiano  
Sugraone -- Superior Seedless  
Syrah -- Syrah Noir -- French Syrah -- Shiraz  
Tempranillo -- Valdepenas – Tinta Roriz  
Touriga Nacional – Touriga  
White Riesling -- Johannisberg Riesling

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