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Agricultural Commissioner Sealer of Weights & Measures

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The Honorable Board of Supervisors of Riverside County

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I am pleased to submit the 2011 Agricultural Production Report for the acreage, yield and gross valuation of agricultural crops and livestock for Riverside County.

This year's report represents a total gross valuation of \$1,282,256,116, an increase of \$188.6 million (17.2%) over the 2010 value and a new record for Riverside County. Agricultural Crops rose 15.4% to \$990,225,736 while Livestock and Poultry production increased nearly 24% to \$292,030,380.

Crop values vary from year to year based on production, market fluctuations and weather. 2011 presented favorable conditions for many of Riverside County's top commodities. After three years of declines, Nursery Stock, the highest valued crop in the county increased 18.2% to just over \$200 million. Milk values increased 32% to \$191.8 million and remained in second place followed by Table Grapes, valued at \$118.5 million, up more than 28%. Field and Seed Crops saw the greatest increases in value, a remarkable 83.5%. Leading the way was Hay at over \$101 million and now the fourth highest value commodity in the county. Rounding out the top five is Bell Peppers with a slight decrease (5%) to \$85.2 million.

As part of this year's Agricultural Production Report, our office commissioned a study designed to determine not just the value of agricultural commodities, but the significance and overall value of the agricultural industry to the economy of Riverside County. The result is the "Crop Report Context" (please see page 15). This analysis puts the numbers from the Agricultural Production Report into a larger context, providing the fullest picture yet of agriculture's economic role. The study concludes that agriculture contributed \$4.33 billion and nearly 30,000 jobs to the Riverside County economy in 2011.

It must be emphasized that this report reflects a gross return only and in no way represents a measure of profit or loss to producers. Growers do not have control over most input costs, such as fuel, fertilizers and packaging, nor can they significantly affect market prices. The fact that the agricultural sector is holding steady in a less than robust economy reflects positively on the diversity and importance of agriculture in our county.

I wish to express my sincere appreciation to the producers, processors, and agencies that have generously provided the information necessary for the compilation of this report. I would also like to thank all of the members of my staff for their contributions toward the preparation of this report.

Respectfully submitted,

John Snyder

Agricultural Commissioner Sealer of Weights and Measures

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# **CITRUS CROPS**

|                   |      |                |           | Produ | ıction    |          | V        | 'alue       |
|-------------------|------|----------------|-----------|-------|-----------|----------|----------|-------------|
|                   |      | <b>Planted</b> | Harvested | Per   |           | -        | Per      |             |
|                   | Year | Acreage        | Acreage   | Acre  | Total     | Unit     | Unit     | Total       |
| Grapefruit-Red    | 2011 | 2,938          | 2,855     | 798   | 2,278,290 | 34 lbs   | 7.17     | 16,335,339  |
| By-Products       | 2011 |                |           | 153   | 436,815   |          | 0.99     | 432,447     |
| Grapefruit-Red    | 2010 | 2,858          | 2,777     | 1,056 | 2,932,512 | 34 lbs   | 7.75     | 22,726,968  |
| By-Products       | 2010 |                |           | 109   | 302,693   |          | 1.40     | 423,770     |
| Grapefruit-Ruby   | 2011 | 1,893          | 1,893     | 936   | 1,771,848 | 34 lbs   | 6.64     | 11,765,071  |
| By-Products       | 2011 |                |           | 153   | 289,629   |          | 0.98     | 283,836     |
| Grapefruit-Ruby   | 2010 | 1,895          | 1,895     | 722   | 1,368,190 | 34 lbs   | 8.22     | 11,246,522  |
| By-Products       | 2010 |                |           | 254   | 481,330   |          | 0.75     | 360,998     |
| Grapefruit-Other* | 2011 | 229            | 229       | 855   | 195,795   | 34 lbs   | 9.57     | 1,873,758   |
| By-Products       | 2011 |                |           | 133   | 30,457    |          | 1.18     | 35,939      |
| Grapefruit-Other* | 2010 | 229            | 229       | 822   | 188,238   | 34 lbs   | 7.82     | 1,472,021   |
| By-Products       | 2010 |                |           | 187   | 42,823    |          | 1.08     | 46,249      |
| Lemons            | 2011 | 5,735          | 5,637     | 740   | 4,171,380 | 38 lbs   | 15.59    | 65,031,814  |
| By-Products       | 2011 |                |           | 120   | 676,440   |          | 1.60     | 1,082,304   |
| Lemons            | 2010 | 5,935          | 5,846     | 748   | 4,372,808 | 38 lbs   | 15.77    | 68,959,182  |
| By-Products       | 2010 |                |           | 117   | 683,982   |          | 1.75     | 1,196,969   |
| Miscellaneous**   | 2011 | 188            | 59        | 5.36  | 316       | tons     | 976.00   | 308,650     |
| Miscellaneous**   | 2010 | 293            | 152       | 3.40  | 517       | tons     | 1,051.00 | 543,157     |
| Oranges-Navel     | 2011 | 1,233          | 1,233     | 526   | 648,558   | 37.5 lbs | 6.22     | 4,034,031   |
| By-Products       | 2011 |                |           | 213   | 262,629   |          | 0.94     | 246,871     |
| Oranges-Navel     | 2010 | 1,233          | 1,233     | 553   | 681,849   | 37.5 lbs | 10.90    | 7,432,154   |
| By-Products       | 2010 |                |           | 248   | 305,784   |          | 0.75     | 229,338     |
| Oranges-Valencia  | 2011 | 2,121          | 2,121     | 433   | 918,393   | 37.5 lbs | 3.78     | 3,471,526   |
| By-Products       | 2011 |                |           | 106   | 224,826   |          | 2.38     | 535,086     |
| Oranges-Valencia  | 2010 | 2,201          | 2,201     | 283   | 622,883   | 37.5 lbs | 10.24    | 6,378,322   |
| By-Products       | 2010 |                |           | 172   | 378,572   |          | 3.27     | 1,237,930   |
| Royal Mandarins   | 2011 | 120            | 120       | 400   | 48,000    | 37.5 lbs | 18.00    | 864,000     |
| By-Products       | 2011 |                |           | 100   | 12,000    |          | 2.00     | 24,000      |
| Royal Mandarins   | 2010 | 110            | 90        | 410   | 36,900    | 37.5 lbs | 18.00    | 664,200     |
| By-Products       | 2010 |                |           | 100   | 9,000     |          | 2.00     | 18,000      |
| Tangelos          | 2011 | 490            | 379       | 386   | 146,294   | 30 lbs   | 10.23    | 1,496,588   |
| By-Products       | 2011 |                |           | 165   | 62,535    |          | 1.80     | 112,563     |
| Tangelos          | 2010 | 490            | 470       | 503   | 236,410   | 30 lbs   | 11.06    | 2,614,695   |
| By-Products       | 2010 |                |           | 147   | 69,090    |          | 1.14     | 78,763      |
| Tangerines        | 2011 | 1,861          | 1,748     | 424   | 741,152   | 25 lbs   | 15.79    | 11,702,790  |
| By-Products       | 2011 |                |           | 140   | 244,720   |          | 1.25     | 305,900     |
| Tangerines        | 2010 | 1,861          | 1,810     | 430   | 778,300   | 25 lbs   | 18.73    | 14,577,559  |
| By-Products       | 2010 |                |           | 130   | 235,300   |          | 1.25     | 294,125     |
| TOTAL             | 2011 | 16,808         | 16,274    |       |           |          |          | 119,942,513 |
|                   | 2010 | 17,105         | 16,703    |       |           |          |          | 140,500,922 |

<sup>\*</sup> Includes: White, Star. 
\*\* Includes: Kumquats, Limes, Oranges-Blood, Tangerine/Mandarin-Gold Nugget, Minneola, Murcott.

# TREE AND VINE CROPS

|                        |      |         |           | Pro        | duction          |          | V        | alue        |
|------------------------|------|---------|-----------|------------|------------------|----------|----------|-------------|
| 30                     | ]    | Planted | Harvested | Per        |                  | •        | Per      |             |
|                        | Year | Acreage | Acreage   | Acre       |                  | Unit     | Unit     |             |
| Apples                 | 2011 | 22      | 22        | 350        | 7,700            | 40 lbs   | 15.00    | 115,500     |
|                        | 2010 | 19      | 19        | 50         | 950              | 40 lbs   | 10.00    | 9,500       |
| Apricots               | 2011 | 13      | 13        | 200        | 2,600            | 25 lbs   | 20.00    | 52,000      |
|                        | 2010 | 13      | 13        | 250        | 3,250            | 25 lbs   | 20.00    | 65,000      |
| Avocados               | 2011 | 6,344   | 6,170     | 286        | 1,764,620        | 26 lbs   | 34.00    | 59,997,080  |
|                        | 2010 | 6,344   | 6,170     | 217        | 1,338,890        | 26 lbs   | 17.59    | 23,551,075  |
| Cherries               | 2011 | 28      | 28        |            | Frost            | Damage   |          |             |
|                        | 2010 | 28      | 28        | 250        | 7,000            | 18 lbs   | 20.00    | 140,000     |
| Dates                  | 2011 | 9,328   | 7,018     | 3.77       | 26,458           | tons     | 1,554.00 | 41,115,514  |
| Culls                  | 2011 |         |           | 0.27       | 1,895            | tons     | 90.00    | 170,537     |
| Dates                  | 2010 | 9,328   | 6,473     | 3.28       | 21,231           | tons     | 1,707.00 | 36,242,068  |
| Culls                  | 2010 |         |           | 0.46       | 2,978            | tons     | 99.00    | 294,822     |
| Grapes - Table*        | 2011 | 8,619   | 7,725     |            | Listed by Variet | v helow  |          | 118,524,718 |
| (Total)                | 2010 | 8,635   | 7,679     |            | Listed by Variet | y bolow. |          | 92,186,719  |
| <b>Beauty Seedless</b> | 2011 | 91      | 91        | 757        | 68,887           | 18 lbs   | 17.17    | 1,182,790   |
| -                      | 2010 | 134     | 134       | 781        | 104,654          | 18 lbs   | 16.49    | 1,725,744   |
| Exotic                 | 2011 | 26      | 26        | 520        | 13,520           | 18 lbs   | 14.00    | 189,280     |
|                        | 2010 | 26      | 26        | 517        | 13,442           | 18 lbs   | 14.00    | 188,188     |
| Flame Seedless         | 2011 | 4,268   | 3,582     | 797        | 2,854,854        | 18 lbs   | 19.61    | 55,983,687  |
|                        | 2010 | 4,268   | 4,088     | 809        | 3,307,192        | 18 lbs   | 14.22    | 47,028,270  |
| Perlette               | 2011 | 219     | 111       | 400        | 44,400           | 18 lbs   | 20.00    | 888,000     |
|                        | 2010 | 219     | 219       | 735        | 160,965          | 18 lbs   | 18.26    | 2,939,221   |
| Thompson Seedless      | 2011 | 349     | 249       | 794        | 197,706          | 18 lbs   | 22.00    | 4,349,532   |
| Thompson occuress      | 2010 | 349     | 349       | 789        | 275,361          | 18 lbs   | 14.14    | 3,893,605   |
|                        |      |         |           |            |                  |          |          |             |
| Other Varieties        | 2011 | 3,666   | 3,666     | <b>720</b> | 2,639,520        | 18 lbs   | 21.19    | 55,931,429  |
|                        | 2010 | 3,639   | 2,863     | 849        | 2,430,687        | 18 lbs   | 14.98    | 36,411,691  |
| Grapes - Wine          | 2011 | 2,772   | 2,772     | 2.30       | 6,376            | tons     | 1,051.00 | 6,700,756   |
|                        | 2010 | 2,103   | 2,103     | 3.19       | 6,709            | tons     | 1,094.00 | 7,339,176   |
| Miscellaneous**        | 2011 | 1,160   | 387       | 4.93       | 1,908            | tons     | 2,549.00 | 4,863,263   |
|                        | 2010 | 1,160   | 377       | 11.50      | 4,336            | tons     | 897.00   | 3,888,944   |
| Peaches                | 2011 | 105     | 99        | 505        | 49,995           | 22 lbs   | 21.12    | 1,055,894   |
|                        | 2010 | 105     | 105       | 544        | 57,120           | 22 lbs   | 21.30    | 1,216,656   |
| Pears                  | 2011 |         |           | Misc       | ellaneous        |          |          |             |
|                        | 2010 |         |           | Misc       | ellaneous        |          |          |             |
| Persimmons             | 2011 | 10      | 10        | 450        | 4,500            | 24 lbs   | 12.00    | 54,000      |
|                        | 2010 | 10      | 10        | 500        | 5,000            | 24 lbs   | 12.00    | 60,000      |
| TOTAL                  | 2011 | 28,401  | 24,244    |            |                  |          |          | 232,649,262 |
| -                      | 2010 | 27,745  | 22,977    |            |                  |          |          | 164,993,960 |

<sup>\*</sup> Harvested Acreage supplied by the California Desert Grape Administrative Committee.

 $<sup>^{\</sup>star\star} \ \text{Includes: Cherimoya, Figs, Guava, Jojoba, Mangoes, Nectarines, \ Pears, Plums, Pomegrantes, Raisins, Other.}$ 



# VEGETABLE, MELON & MISCELLANEOUS CROPS

|             |      |           | Prod  | uction    |        | Value  |            |  |
|-------------|------|-----------|-------|-----------|--------|--------|------------|--|
|             |      | Harvested | Per   |           |        | Per    |            |  |
|             | Year | Acreage   | Acre  | Total     | Unit   | Unit   | Total      |  |
| Artichokes  | 2011 | 723       | 400   | 289,200   | 23 lbs | 14.83  | 4,288,836  |  |
|             | 2010 | 599       | 640   | 383,360   | 23 lbs | 13.13  | 5,033,517  |  |
| Beans-Green | 2011 | 916       | 363   | 332,508   | 30 lbs | 16.80  | 5,586,134  |  |
|             | 2010 | 1,071     | 365   | 390,915   | 30 lbs | 19.16  | 7,489,931  |  |
| Broccoli    | 2011 | 2,717     | 535   | 1,453,595 | 23 lbs | 10.47  | 15,219,140 |  |
|             | 2010 | 2,488     | 533   | 1,326,104 | 23 lbs | 8.62   | 11,431,016 |  |
| Cabbage     | 2011 | 93        | 590   | 54,870    | 50 lbs | 8.77   | 481,210    |  |
|             | 2010 | 75        | 690   | 51,750    | 50 lbs | 7.59   | 392,783    |  |
| Carrots     | 2011 | 1,995     | 45    | 89,775    | tons   | 135.00 | 12,119,625 |  |
|             | 2010 | 1,882     | 42    | 79,044    | tons   | 155.00 | 12,251,820 |  |
| Cauliflower | 2011 | 1,399     | 557   | 779,243   | 23 lbs | 11.20  | 8,727,522  |  |
|             | 2010 | 1,284     | 635   | 815,340   | 23 lbs | 9.59   | 7,819,111  |  |
| Celery      | 2011 | 478       | 771   | 368,538   | 60 lbs | 14.40  | 5,306,947  |  |
|             | 2010 | 391       | 1,094 | 427,754   | 60 lbs | 13.10  | 5,603,577  |  |
| Corn-Sweet  | 2011 | 2,861     | 396   | 1,132,956 | 45 lbs | 10.95  | 12,405,868 |  |
|             | 2010 | 3,238     | 351   | 1,136,538 | 45 lbs | 9.90   | 11,251,726 |  |
| Eggplant    | 2011 | 262       | 858   | 224,796   | 20 lbs | 11.52  | 2,589,650  |  |
|             | 2010 | 372       | 953   | 354,516   | 20 lbs | 9.17   | 3,250,912  |  |
| Lettuce     |      |           |       |           |        |        |            |  |
| Head        | 2011 | 1,348     | 389   | 524,372   | 50 lbs | 12.42  | 6,512,700  |  |
|             | 2010 | 1,263     | 392   | 495,096   | 50 lbs | 7.51   | 3,718,171  |  |
| Loose Leaf  | 2011 | 1,066     | 852   | 908,232   | 22 lbs | 10.88  | 9,881,564  |  |
|             | 2010 | 1,049     | 933   | 978,717   | 22 lbs | 10.28  | 10,061,211 |  |
| Romaine     | 2011 | 2,144     | 609   | 1,305,696 | 35 lbs | 12.70  | 16,582,339 |  |
|             | 2010 | 2,383     | 851   | 2,027,933 | 35 lbs | 11.25  | 22,814,246 |  |
| Melons      |      |           |       |           |        |        |            |  |
| Cantaloupe  | 2011 | 712       | 661   | 470,632   | 40 lbs | 9.04   | 4,254,513  |  |
| ·           | 2010 | 725       | 673   | 487,925   | 40 lbs | 5.36   | 2,615,278  |  |
| Crenshaw    | 2011 | 53        | 584   | 30,952    | 29 lbs | 6.49   | 200,878    |  |
|             | 2010 | 57        | 572   | 32,604    | 29 lbs | 7.68   | 250,399    |  |
| Honeydew    | 2011 | 889       | 928   | 824,992   | 29 lbs | 6.10   | 5,032,451  |  |
|             | 2010 | 1,048     | 652   | 683,296   | 29 lbs | 5.14   | 3,512,141  |  |
| Mixed       | 2011 | 558       | 773   | 431,334   | 33 lbs | 7.95   | 3,429,105  |  |
|             | 2010 | 526       | 616   | 324,016   | 33 lbs | 7.19   | 2,329,675  |  |



# **VEGETABLE, MELON & MISCELLANEOUS CROPS**

|                     |                  |                   | Prod                  | uction                 |                         | Value               |                  |  |
|---------------------|------------------|-------------------|-----------------------|------------------------|-------------------------|---------------------|------------------|--|
|                     |                  | Harvested         | Per                   |                        |                         | Per                 |                  |  |
|                     | Year             | Acreage           | Acre                  | Total                  | Unit                    | Unit                | Total            |  |
| Melons              |                  |                   |                       |                        |                         |                     |                  |  |
| Watermelon          | 2011             | 642               | 38                    | 24,396                 | tons                    | 216.00              | 5,269,536        |  |
|                     | 2010             | 1,588             | 29                    | 46,052                 | tons                    | 270.00              | 12,434,040       |  |
| Miscellaneous*      | 2011             | 4,448             | 7.8                   | 34,872                 | tons                    | 550.00              | 19,179,776       |  |
|                     | 2010             | 4,379             | 6.3                   | 27,588                 | tons                    | 682.00              | 18,814,811       |  |
| Onions-Dry          | 2011             | 38                | 800                   | 30,400                 | 50 lbs                  | 6.25                | 190,000          |  |
|                     | 2010             | 211               | 806                   | 170,066                | 50 lbs                  | 6.50                | 1,105,429        |  |
| Oriental Vegetables | 2011             | 2,741             | 8.0                   | 21,928                 | tons                    | 773.00              | 16,950,344       |  |
|                     | 2010             | 2,788             | 8.7                   | 24,256                 | tons                    | 899.00              | 21,805,784       |  |
| Peppers             |                  |                   |                       |                        |                         |                     |                  |  |
| Bell                | 2011             | 5,636             | 1,209                 | 6,813,924              | 30 lbs                  | 12.51               | 85,242,189       |  |
|                     | 2010             | 5,037             | 1,389                 | 6,996,393              | 30 lbs                  | 12.85               | 89,903,650       |  |
| Potatoes            |                  |                   |                       |                        |                         |                     |                  |  |
| Fall                | 2011             | 735               | 174                   | 127,890                | 100 lbs                 | 18.47               | 2,362,128        |  |
|                     | 2010             | 996               | 149                   | 148,404                | 100 lbs                 | 18.32               | 2,718,761        |  |
| Spring              | 2011             | 2,889             | 221                   | 638,469                | 100 lbs                 | 17.39               | 11,102,976       |  |
|                     | 2010             | 2,347             | 258                   | 605,526                | 100 lbs                 | 17.07               | 10,336,329       |  |
| Radishes            | 2011             | 120               | 1,050                 | 126,000                | 35 lbs                  | 5.10                | 642,600          |  |
|                     | 2010             | 335               | 978                   | 327,630                | 35 lbs                  | 4.59                | 1,503,822        |  |
| Spices/Herbs        | 2011             | 987               | 950                   | 937,650                | various                 | 5.29                | 4,960,169        |  |
|                     | 2010             | 1,576             | 1,464                 | 2,307,264              | various                 | 3.88                | 8,952,184        |  |
| Spinach             | 2011             | 188               | 1,056                 | 198,528                | 30 lbs                  | 10.06               | 1,997,192        |  |
| •                   | 2010             | 189               | 976                   | 184,464                | 30 lbs                  | 10.88               | 2,006,968        |  |
| Squash, All         | 2011             | 472               | 6.7                   | 3,162                  | tons                    | 539.00              | 1,704,534        |  |
| ,                   | 2010             | 221               | 4.7                   | 1,039                  | tons                    | 879.00              | 913,017          |  |
| Strawberries        | 2011             | 372               | 3,728                 | 1,386,816              | various                 | 10.06               | 13,951,369       |  |
| Ollawberries        | 2010             | 327               | 3,119                 | 1,019,913              | various                 | 10.02               | 10,219,528       |  |
| Tomaton             | 0044             | 242               | 4 000                 | 070 000                | 00 11 -                 | 0.50                | 0.457.000        |  |
| Tomatoes            | <b>2011</b> 2010 | <b>210</b><br>125 | <b>1,800</b><br>1,800 | <b>378,000</b> 225,000 | <b>20 lbs</b><br>20 lbs | <b>6.50</b><br>6.50 | <b>2,457,000</b> |  |
|                     | 2010             | 120               | 1,000                 | ZZ3,UUU                | 20 108                  | 0.50                | 1,462,500        |  |
| TOTAL               | 2011             | 37,692            |                       |                        |                         |                     | 278,628,295      |  |
|                     | 2010             | 38,570            |                       |                        |                         |                     | 292,002,337      |  |

<sup>\*</sup> Includes: Anise, Arugula, Asparagus, Blueberries, Broccoli-Chinese, Cabbage-Chinese, Cabbage-Napa, Carrots-Processing, Celery-Chinese, Chard, Chives, Cilantro, Cucumbers, Daikon, Dandelion, Dill, Endive, Escarole, Fennel, Garlic, Greens-Collard, Greens-Mixed, Kale, Kohlrabi, Leeks, Mustard, Okra, Parsley, Pumpkins, Rutabaga, Spinach-Chinese, Tomatoes-Cherry, Turnips, Watermelons-Mini, Other.



# FIELD AND SEED CROPS

|                   |                  | Production              |                     |                           | Value                  |                      |                              |  |
|-------------------|------------------|-------------------------|---------------------|---------------------------|------------------------|----------------------|------------------------------|--|
|                   | ]<br>Year        | Harvested<br>Acreage    | Per<br>Acre         | Total                     | Unit                   | Per<br>Unit          | Total                        |  |
| Cotton            |                  | <u> </u>                |                     |                           |                        |                      |                              |  |
| Cotton            |                  |                         |                     |                           |                        |                      |                              |  |
| Short Staple      | <b>2011</b> 2010 | <b>14,112</b><br>9,129  | <b>4.00</b> 4.00    | <b>56,448</b> 36,516      | <b>500 lbs</b> 500 lbs | <b>485.00</b> 450.00 | <b>27,377,280</b> 16,432,200 |  |
| Seed              | <b>2011</b> 2010 |                         | <b>3.00</b> 2.90    | <b>42,336</b> 26,474      | tons<br>tons           | <b>250.00</b> 190.00 | <b>10,584,000</b> 5,030,100  |  |
| Grain             |                  |                         |                     |                           |                        |                      |                              |  |
| Barley            | <b>2011</b> 2010 | <b>300</b><br>214       | <b>5.50</b> 4.00    | <b>1,650</b><br>856       | tons<br>tons           | <b>173.00</b> 160    | <b>285,450</b> 137,000       |  |
| Oats              | <b>2011</b> 2010 | <b>415</b><br>525       | <b>1.00</b> 0.30    | <b>415</b><br>158         | tons<br>tons           | <b>400.00</b> 360.00 | <b>166,000</b> 56,700        |  |
| Wheat             | <b>2011</b> 2010 | <b>18,922</b><br>19,149 | <b>0.95</b><br>0.98 | <b>17,976</b><br>18,766   | tons<br>tons           | <b>279.00</b> 182.00 | <b>5,015,276</b> 3,415,400   |  |
| Нау               |                  |                         |                     |                           |                        |                      |                              |  |
| Alfalfa           | <b>2011</b> 2010 | <b>45,042</b><br>44,740 | <b>9.20</b> 9.70    | <b>414,386</b><br>433,978 | tons<br>tons           | <b>225.00</b> 109.00 | <b>93,236,940</b> 47,303,600 |  |
| Bermuda Grass     | <b>2011</b> 2010 | <b>1,927</b><br>1,837   | <b>7.50</b> 7.80    | <b>14,453</b> 14,329      | tons<br>tons           | <b>200.00</b> 117.00 | <b>2,890,500</b> 1,676,400   |  |
| Four Way          | <b>2011</b> 2010 | <b>163</b> 273          | <b>3.90</b> 2.60    | <b>636</b><br>710         | tons<br>tons           | <b>206.00</b> 128.00 | <b>130,954</b> 90,900        |  |
| Klein Grass       | <b>2011</b> 2010 | <b>1,939</b><br>Misce   | 8.90<br>ellaneous   | 17,257                    | tons                   | 190.00               | 3,278,849                    |  |
| Oats              | <b>2011</b> 2010 | <b>2,027</b> 2,146      | <b>2.50</b> 1.70    | <b>5,068</b> 3,648        | tons<br>tons           | <b>200.00</b> 160.00 | <b>1,013,500</b> 583,700     |  |
| Sudan             | <b>2011</b> 2010 | <b>871</b><br>1,640     | <b>4.60</b> 4.60    | <b>4,007</b> 7,544        | tons<br>tons           | <b>151.00</b> 138.00 | <b>604,997</b> 1,041,100     |  |
| Miscellaneous*    | <b>2011</b> 2010 | <b>597</b><br>515       | <b>1.36</b> 2.90    | <b>812</b><br>1,494       | tons                   | <b>213.00</b> 112.00 | <b>172,939</b> 167,300       |  |
| Pasture-Irrigated | <b>2011</b> 2010 | <b>1,911</b><br>2,708   |                     | <b>1,911</b><br>2,708     | acres<br>acres         | <b>115.00</b> 118.00 | <b>219,765</b> 319,544       |  |
| Rangeland         | <b>2011</b> 2010 | <b>25,000</b> 25,000    |                     | <b>25,000</b> 25,000      | acres<br>acres         | <b>1.90</b> 2.00     | <b>47,500</b> 50,000         |  |



| MAS                   | FIELD AND SEED CROPS |           |       |        |      |       |           |  |
|-----------------------|----------------------|-----------|-------|--------|------|-------|-----------|--|
|                       |                      | _         | _     | Value  |      |       |           |  |
|                       |                      | Harvested | Per   |        |      | Per   |           |  |
|                       | Year                 | Acreage   | Acre  | Total  | Unit | Unit  | Total     |  |
| Silage and Green Chop |                      |           |       |        |      |       |           |  |
| Alfalfa               | 2011                 | 710       | 41.00 | 29,110 | tons | 40.00 | 1,164,400 |  |
|                       | 2010                 | 880       | 45.00 | 39,600 | tons | 34.00 | 1,346,400 |  |
| Corn                  | 2011                 | 305       | 28.00 | 8,540  | tons | 50.00 | 427,000   |  |
|                       | 2010                 | 685       | 27.00 | 18,495 | tons | 44.00 | 813,780   |  |
| Oats                  | 2011                 | 866       | 7.00  | 6,062  | tons | 36.00 | 218,232   |  |
|                       | 2010                 | 858       | 5.00  | 4,290  | tons | 35.00 | 150,150   |  |
| Sorghum               | 2011                 | 826       | 16.00 | 13,216 | tons | 45.00 | 594,720   |  |
|                       | 2010                 | 820       | 10.00 | 8,200  | tons | 39.50 | 323,900   |  |
| Sudan                 | 2011                 | 300       | 18.00 | 5,400  | tons | 26.00 | 140,400   |  |
|                       | 2010                 | 200       | 18.00 | 3,600  | tons | 24.00 | 86,400    |  |
| Triticale             | 2011                 | 1,220     | 22.00 | 26,840 | tons | 40.00 | 1,073,600 |  |
|                       | 2010                 | 1,882     | 15.00 | 28,230 | tons | 45.00 | 1,270,350 |  |
| Wheat                 | 2011                 | 2,250     | 6.50  | 14,625 | tons | 38.00 | 555,750   |  |
|                       | 2010                 | 4,542     | 6.50  | 29,523 | tons | 35.00 | 1,033,305 |  |

119,703

117,743

2011

2010

TOTAL

149,198,052

81,328,229

<sup>\*</sup> Includes: Hay - Teff Grass, Safflower.



# LIVESTOCK AND POULTRY

|                   |      |         |            |         |        | Value        |
|-------------------|------|---------|------------|---------|--------|--------------|
| ** MILLION TO BE  |      | Number  | Total      |         | Per    |              |
|                   | Year | of Head | Liveweight | Unit    | Unit   | Total        |
| Cattle and Calves | 2011 | 27,116  | 144,393    | cwt     | 100.81 | 14,556,258   |
|                   | 2010 | 35,665  | 188,832    | cwt     | 80.69  | 15,236,854   |
| Sheep and Lambs   | 2011 | 8,214   | 10,664     | cwt     | 147.00 | 1,567,608    |
| •                 | 2010 | 9,924   | 12,193     | cwt     | 120.00 | 1,463,160    |
| Other Livestock*  | 2011 |         |            | various |        | 1,258,400    |
|                   | 2010 |         |            | various |        | 1,300,000    |
| TOTAL             | 2011 |         |            |         |        | \$17,382,266 |
|                   | 2010 |         |            |         |        | \$18,000,014 |

<sup>\*</sup> Includes Baby Chicks, Chickens, Ducks, Pheasants.



# LIVESTOCK AND POULTRY PRODUCTS

|                  |      |             |       | \     | /alue         |
|------------------|------|-------------|-------|-------|---------------|
|                  | Year | Production  | Unit  | Unit  | Total         |
| Eggs             | 2011 | 100,871,496 | dozen | 0.81  | 81,705,912    |
|                  | 2010 | 101,890,400 | dozen | 0.70  | 71,323,280    |
| Milk*            | 2011 | 10,175,787  | cwt   | 18.85 | 191,813,585   |
|                  | 2010 | 9,682,030   | cwt   | 15.04 | 145,617,731   |
| Other Products** | 2011 |             |       |       | 1,128,617     |
|                  | 2010 |             |       |       | 985,200       |
| TOTAL            | 2011 |             |       |       | \$274,648,114 |
|                  | 2010 |             |       |       | \$217,926,211 |

<sup>\*</sup>Information Supplied by: California Agricultural Statistics Service. Includes Fresh Market and Manufactured.

<sup>\*\*</sup>Includes Wool, Manure.

|  |      | AQUACULTURE |         |          |             |  |  |  |  |
|--|------|-------------|---------|----------|-------------|--|--|--|--|
|  |      |             |         |          | alue        |  |  |  |  |
| ************************************** | Year | Production  | Unit    | Per Unit | Total       |  |  |  |  |
| Catfish                                | 2011 | 250,000     | lbs     | 2.30     | 575,000     |  |  |  |  |
|  | 2010 | 240,000     | lbs     | 2.20     | 528,000     |  |  |  |  |
| Miscellaneous*                         | 2011 |             | various |          | 492,250     |  |  |  |  |
|  | 2010 |             | various |          | 447,500     |  |  |  |  |
| Tilapia                                | 2011 | 1,450,000   | lbs     | 2.58     | 3,741,000   |  |  |  |  |
| •                                      | 2010 | 1,547,520   | lbs     | 2.55     | 3,946,176   |  |  |  |  |
| Total                                  | 2011 |             |         |          | \$4,808,250 |  |  |  |  |
|  | 2010 |             |         |          | \$4,921,676 |  |  |  |  |

<sup>\*</sup> Includes Goldfish, Koi, Tropical Fish, Bass.



# NURSERY STOCK PRODUCTION

|                                    | Year | Acres | Production  | Unit        | <br>Valuation              |
|------------------------------------|------|-------|-------------|-------------|----------------------------|
| Ornamental Nursery Stock           | 2011 | 4,800 | 67,020,872  | various     | 175,352,064                |
| Cut Flowers* Christmas Trees (cut) | 2010 | 5,122 | 40,468,595  | various     | 131,470,900                |
|                                    | 2011 | 206   | 2,722,400   | cuttings    | 2,092,400                  |
|                                    | 2010 | 223   | 4,297,103   | cuttings    | 3,134,400<br><b>97,500</b> |
|                                    | 2011 | 65    | 1,500       | each        |                            |
|                                    | 2010 | 15    | 1,500       | each        | 62,500                     |
| Turf                               | 2011 | 1,951 | 83,158,000  | square feet | 18,412,000                 |
|                                    | 2010 | 3,281 | 120,804,974 | square feet | 29,391,600                 |
| Farm Planting Stock                | 2011 | 84    | 164,800     | various     | 4,201,000                  |
| -                                  | 2010 | 109   | 324,340     | various     | 5,281,900                  |
| TOTAL                              | 2011 | 7,106 |             |             | 200,154,964                |
|                                    | 2010 | 8,750 |             |             | 169,341,300                |

<sup>\*</sup> Includes: Cut Greens



# **APICULTURE**

Value

|                                |      |            |          | Per    |           |
|--------------------------------|------|------------|----------|--------|-----------|
|                                | Year | Production | Unit     | Unit   | Total     |
| Honey                          | 2011 | 1,100,000  | lbs      | 1.44   | 1,584,000 |
|                                | 2010 | 1,292,000  | lbs      | 1.35   | 1,744,200 |
| Beeswax                        | 2011 | 22,160     | lbs      | 2.17   | 48,100    |
|                                | 2010 | 22,160     | lbs      | 2.03   | 45,000    |
| Fees Collected for Pollination | 2011 | 23,110     | colonies | 139.00 | 3,212,300 |
|                                | 2010 | 23,110     | colonies | 123.00 | 2,842,500 |
| Total Colonies                 | 2011 | 35,700     |          |        |           |
|                                | 2010 | 38,000     |          |        |           |
| TOTAL                          | 2011 |            |          |        | 4,844,400 |
|                                | 2010 |            |          |        | 4,631,700 |

# **DISTRICT VALUATIONS - AGRICULTURAL CROPS**

| District                    | 2007        | 2008        | 2009        | 2010        | 2011        |
|-----------------------------|-------------|-------------|-------------|-------------|-------------|
| Diversida (Consus           | 440.007.000 | 400 404 600 | 00 505 400  | 70 007 000  | 404 050 440 |
| Riverside/Corona            | 118,897,000 | 100,431,600 | 82,565,100  | 79,207,200  | 121,652,448 |
| San Jacinto/Temecula Valley | 194,148,400 | 165,022,400 | 130,157,200 | 137,756,700 | 156,362,416 |
| Coachella Valley            | 486,898,900 | 503,782,700 | 484,825,900 | 533,846,400 | 526,337,500 |
| Palo Verde Valley           | 112,961,900 | 165,870,000 | 92,796,900  | 98,597,300  | 171,179,300 |
| Total Crop Valuation        | 912,906,200 | 935,106,700 | 790,345,100 | 849,407,600 | 975,531,664 |

# **ACREAGE STATISTICS**

| Сгор                     | 2007    | 2008    | 2009    | 2010    | 2011    |
|--------------------------|---------|---------|---------|---------|---------|
| Citrus                   | 19,401  | 17,691  | 17,355  | 17,105  | 16,808  |
| Tree and Vine            | 28,417  | 28,408  | 27,979  | 27,745  | 28,401  |
| Vegetable, Melons, Misc. | 37,278  | 38,142  | 30,902  | 38,570  | 37,692  |
| Field and Seed           | 118,373 | 153,784 | 117,140 | 117,743 | 119,703 |
| Nursery                  | 10,581  | 7,987   | 8,690   | 8,750   | 7,106   |
| Total Planted Acreage    | 214,050 | 246,012 | 202,066 | 209,913 | 209,710 |

# TOTAL VALUATION - F.O.B.

| Crop                     | 2007          | 2008          | 2009          | 2010          | 2011          |
|--------------------------|---------------|---------------|---------------|---------------|---------------|
| 0"                       | 101 007 100   | 405 750 000   | 404.050.000   | 4.40.500.000  | 440.040.540   |
| Citrus                   | 121,387,100   | 135,759,800   | 101,652,000   | 140,500,922   | 119,942,513   |
| Tree and Vine            | 189,286,500   | 173,678,000   | 191,682,600   | 164,993,960   | 232,649,262   |
| Vegetable, Melons, Misc. | 234,854,700   | 266,414,900   | 221,286,700   | 292,002,337   | 278,628,295   |
| Field and Seed           | 94,492,000    | 123,545,400   | 69,699,800    | 81,328,229    | 149,198,052   |
| Nursery                  | 272,326,200   | 230,416,200   | 206,499,900   | 169,341,300   | 200,154,964   |
| Total Crop               | 926,124,600   | 947,529,000   | 801,082,500   | 857,720,124   | 990,225,736   |
| Livestock and Poultry    | 338,938,600   | 321,060,900   | 214,672,800   | 235,926,225   | 292,030,380   |
| GRAND TOTAL              | 1,265,063,200 | 1,268,589,900 | 1,015,755,300 | 1,093,646,349 | 1,282,256,116 |

# **PRODUCTION VALUATION CHANGES 2010 TO 2011**

| <u>Crop</u>           | <u>2011</u>   | <u>2010</u>   | Value Change (\$) | Percentage Change |
|-----------------------|---------------|---------------|-------------------|-------------------|
| Citrus                | 119,942,513   | 140,500,922   | (20,558,409)      | -14.6%            |
| Tree and Vine         | 232,649,262   | 164,993,960   | 67,655,302        | 41.0%             |
| Vegetables            | 278,628,295   | 292,002,337   | (13,374,042)      | -4.6%             |
| Field and Seed        | 149,198,052   | 81,328,229    | 67,869,823        | 83.5%             |
| Nursery               | 200,154,964   | 169,341,300   | 30,813,664        | 18.2%             |
| Apiculture            | 4,844,400     | 4,631,700     | 212,700           | 4.6%              |
| Aquaculture           | 4,808,250     | 4,921,676     | (113,426)         | -2.3%             |
| All Agriculture       | 990,225,736   | 857,720,124   | 132,505,612       | 15.4%             |
| Livestock and Poultry | 292,030,380   | 235,926,225   | 56,104,155        | 23.8%             |
| Grand Total           | 1,282,256,116 | 1,093,646,349 | 188,609,767       | 17.2%             |

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# **RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS**

| <u>2010</u> |                          |               | <u>2011</u> |                         |               |
|-------------|--------------------------|---------------|-------------|-------------------------|---------------|
| 1           | Nursery Stock            | \$169,341,300 | 1           | Nursery Stock           | \$200,154,964 |
| 2           | Milk                     | 145,617,700   | 2           | Milk                    | 191,813,585   |
| 3           | Table Grapes             | 92,186,700    | 3           | Table Grapes            | 118,524,718   |
| 4           | Bell Peppers             | 89,903,700    | 4           | Hay                     | 101,155,740   |
| 5           | Eggs                     | 71,323,300    | 5           | Bell Peppers            | 85,242,189    |
| 6           | Lemons                   | 70,156,200    | 6           | Eggs                    | 81,705,912    |
| 7           | Hay                      | 50,695,700    | 7           | Lemons                  | 75,496,998    |
| 8           | Dates                    | 36,536,900    | 8           | Avocados                | 59,997,080    |
| 9           | Grapefruit               | 36,276,500    | 9           | Dates                   | 41,286,051    |
| 10          | Avocados                 | 23,551,100    | 10          | Cotton                  | 37,961,280    |
| 11          | Romaine Lettuce          | 22,814,200    | 11          | Grapefruit              | 31,213,860    |
| 12          | Oriental Vegetables      | 21,805,800    | 12          | Misc. Vegetables        | 19,179,776    |
| 13          | Cotton                   | 21,462,300    | 13          | Oriental Vegetables     | 16,950,344    |
| 14          | Miscellaneous Vegetables | 18,814,800    | 14          | Romaine Lettuce         | 16,582,339    |
| 15          | Tangerines / Mandarins   | 18,247,400    | 15          | Broccoli                | 15,219,140    |
| 16          | Cattle / Calves          | 15,236,900    | 16          | Cattle / Calves         | 14,556,258    |
| 17          | Potatoes                 | 13,055,100    | 17          | Tangerines / Mandarines | 14,505,841    |
| 18          | Watermelons              | 12,434,000    | 18          | Strawberries            | 13,951,369    |
| 19          | Carrots                  | 12,251,800    | 19          | Potatoes                | 13,465,104    |
| 20          | Broccoli                 | 11,431,000    | 20          | Sweet Corn              | 12,405,868    |

# CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

| <u>2009</u> |               |                   | <u>2010</u> |               |                   |
|-------------|---------------|-------------------|-------------|---------------|-------------------|
| <u>Rank</u> | County        | <u>Value (\$)</u> | Rank        | <u>County</u> | <u>Value (\$)</u> |
| 1           | Fresno        | 5,372,009,000     | 1           | Fresno        | 5,944,148,000     |
| 2           | Tulare        | 4,046,355,000     | 2           | Tulare        | 4,863,706,000     |
| 3           | Monterey      | 4,033,718,000     | 3           | Kern          | 4,757,261,000     |
| 4           | Kern          | 3,606,356,000     | 4           | Monterey      | 4,006,240,000     |
| 5           | Merced        | 2,460,474,000     | 5           | Merced        | 2,733,495,000     |
| 6           | Stanislaus    | 2,310,071,000     | 6           | Stanislaus    | 2,572,433,000     |
| 7           | San Joaquin   | 2,000,474,000     | 7           | San Joaquin   | 1,960,721,000     |
| 8           | Ventura       | 1,621,575,000     | 8           | Ventura       | 1,856,698,000     |
| 9           | San Diego     | 1,548,124,000     | 9           | Kings         | 1,717,970,000     |
| 10          | Imperial      | 1,452,970,000     | 10          | San Diego     | 1,648,572,000     |
| 11          | Kings         | 1,304,783,000     | 11          | Imperial      | 1,598,534,000     |
| 12          | Santa Barbara | 1,241,400,000     | 12          | Madera        | 1,348,535,000     |
| 13          | Riverside     | 1,015,755,000     | 13          | Santa Barbara | 1,219,996,000     |
| 14          | Madera        | 963,128,000       | 14          | Riverside     | 1,093,651,000     |

# RIVERSIDE COUNTY AGRICULTURAL PRODUCTION VALUES 2002 - 2011

| <u>YEAR</u> | <u>VALUE</u>    | STATE RANK |
|-------------|-----------------|------------|
| 2002        | \$1,063,478,000 | 11         |
| 2003        | \$1,067,367,300 | 12         |
| 2004        | \$1,131,605,200 | 12         |
| 2005        | \$1,168,671,100 | 12         |
| 2006        | \$1,102,438,400 | 12         |
| 2007        | \$1,265,063,200 | 12         |
| 2008        | \$1,268,589,900 | 13         |
| 2009        | \$1,015,755,300 | 13         |
| 2010        | \$1,093,646,349 | 14         |
| 2011        | \$1,282,256,116 |            |

### **EXCERPTS FROM PRIOR CROP REPORTS**

- In 1927, the reported value of avocados was \$1,250. That same year, pomegranates were valued at \$1,680.
- Agricultural Commissioner A. E. Bottel summarized 1932 by stating "In some instances a considerable increase in tonnage was reported. In a few instances production showed a decrease."
- At the hieght of the depression, 1939, Comissioner W.H. Wright reported that "few of the commodities (sold) have paid the cost of production."
- One affect of World War II was expressed by Mr. Wright in 1942, "The loss of trained personnel to the armed forces presented tremendously serious problems for the farmer."
- In 1955, Commissioner Robert M. Howie boasted that, "The greatest diversity of crops of any county in California accounts for an increase in valuation."
- Riverside County reported over 14,000 acres of Navel oranges in 1970.
- The Parent Washington Navel orange tree (currently located at the intersection of Arlington Ave. and Magnolia Ave.) was saluted by Commissioner James O. Wallace in 1986 when he called it, "one of the most, if not the most important historical fruit tree in existence".

# **2011 MILLION DOLLAR COMMODITIES**

| 1         Nursery Stock         \$200,154,964           2         Milk         191,813,585           3         Table Grapes         118,524,718           4         Hay         101,155,740           5         Bell Peppers         85,242,189           6         Eggs         81,705,912           7         Lemons         66,114,118           8         Avocados         59,997,080           9         Dates         41,286,651           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           19         Potatoes         13,465,104           20         Sweet Corn </th <th>Rank</th> <th>Commodity</th> <th><u>Value</u></th> | Rank | Commodity                             | <u>Value</u>  |
|---|------|---------------------------------------|---------------|
| 2         Milk         191,813,585           3         Table Grapes         118,524,718           4         Hay         101,155,740           5         Bell Peppers         85,242,189           6         Eggs         81,705,912           7         Lemons         66,114,118           8         Avocados         59,997,080           9         Dates         41,286,051           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,505,841           18         Strawberries         13,91,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,815,64           23         Califlower   | 1    | Nursery Stock                         | \$200,154,964 |
| 3         Table Grapes         118,524,718           4         Hay         101,155,740           5         Bell Peppers         85,242,189           6         Eggs         81,705,912           7         Lemons         66,114,118           8         Avocados         59,997,080           9         Dates         41,286,051           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce </td <td>2</td> <td></td> <td></td>                          | 2    |                                       |               |
| 4         Hay         101,155,740           5         Bell Peppers         85,242,189           6         Eggs         81,705,912           7         Lemons         66,114,118           8         Avocados         59,997,080           9         Dates         41,286,051           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         19,979,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,556,258           18         Strawberries  |      | Table Grapes                          |               |
| 5         Beil Peppers         85,242,189           6         Eggs         81,705,912           7         Lemons         66,114,118           8         Avocados         59,997,080           9         Dates         41,286,61           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,556,258           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn   | 4    | •                                     |               |
| 6         Eggs         81,705,912           7         Lemons         66,114,118           8         Avocados         59,997,080           9         Dates         41,286,051           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,556,281           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery  | 5    | •                                     | · · · · ·     |
| 7         Lemons         66,114,118           8         Avocados         59,997,089           9         Dates         41,286,051           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           17         Mandarins         14,556,258           18         Strawberries         13,951,368           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,81,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head  |      | • •                                   |               |
| 8         Avocados         59,997,080           9         Dates         41,286,615           10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,552,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,505,841           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,566           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery         5,306,947           28         Watermelon         5,269,536           29   |      |                                       |               |
| 9 Dates 41,286,051 10 Cotton 37,961,280 11 Grapefruit 30,726,390 12 Misc. Vegetables 19,179,776 13 Oriental Vegetables 16,590,344 14 Romaine Lettuce 16,582,339 15 Broccoli 15,219,140 16 Cattle / Calves 14,556,258 17 Mandarins 14,505,841 18 Strawberries 13,951,369 19 Potatoes 13,465,104 20 Sweet Corn 12,405,868 21 Carrots 12,419,625 22 Loose Leaf Lettuce 9,881,564 23 Cauliflower 8,727,522 24 Wine Grapes 6,700,756 25 Head Lettuce 6,512,700 26 Green Beans 5,586,134 27 Celery 5,306,947 28 Watermelon 5,269,536 29 Honeydew Melon 5,032,451 30 Wheat (grain) 5,015,276 31 Spices / Herbs 4,960,169 32 Apiculture 4,844,400 33 Misc. Tree and Vine 4,863,263 34 Artichoke 4,288,836 35 Navel Oranges 4,280,902 36 Cantaloupe 4,254,513 37 Valencia Oranges 4,280,902 36 Cantaloupe 4,254,513 37 Valencia Oranges 4,203,625 38 Talapia 3,741,000 40 Eggplant 2,589,650 41 Tomatoes 2,457,000 42 Spinach 1,997,192 43 Squash 1,704,534 44 Sheep and Lambs 1,567,608 45 Other Livestock / Poultry Products 1,128,617   | 8    |                                       |               |
| 10         Cotton         37,961,280           11         Grapefruit         30,726,390           12         Misc. Vegetables         19,179,776           13         Oriental Vegetables         16,590,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,505,841           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery         5,306,947           28         Watermelon         5,269,536           29         Honeydew Melon         5,032,451           30         Wheat (grain)         5,015,276           31 <td></td> <td></td> <td></td>                         |      |                                       |               |
| 11       Grapefruit       30,726,390         12       Misc. Vegetables       19,179,776         13       Oriental Vegetables       16,950,344         14       Romaine Lettuce       16,582,339         15       Broccoli       15,219,140         16       Cattle / Calves       14,556,258         17       Mandarins       14,505,841         18       Strawberries       13,951,369         19       Potatoes       13,465,104         20       Sweet Corn       12,405,868         21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,843,40         33       Misc. Tree a  |      |                                       |               |
| 12       Misc. Vegetables       19,179,776         13       Oriental Vegetables       16,950,344         14       Romaine Lettuce       16,582,339         15       Broccoli       15,219,140         16       Cattle / Calves       14,556,258         17       Mandarins       14,505,841         18       Strawberries       13,951,369         19       Potatoes       13,465,104         20       Sweet Corn       12,405,868         21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Art  |      |                                       |               |
| 13         Oriental Vegetables         16,950,344           14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,505,841           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery         5,306,947           28         Watermelon         5,269,536           29         Honeydew Melon         5,032,451           30         Wheat (grain)         5,015,276           31         Spices / Herbs         4,960,169           32         Apiculture         4,863,263           34         Artichoke         4,288,336           34   |      |                                       |               |
| 14         Romaine Lettuce         16,582,339           15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,505,841           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery         5,306,947           28         Watermelon         5,269,536           29         Honeydew Melon         5,032,451           30         Wheat (grain)         5,015,276           31         Spices / Herbs         4,960,169           32         Apiculture         4,844,400           33         Misc. Tree and Vine         4,863,263           34         Artichoke         4,288,383           35  | 13   |                                       |               |
| 15         Broccoli         15,219,140           16         Cattle / Calves         14,556,258           17         Mandarins         14,505,841           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery         5,306,947           28         Watermelon         5,269,536           29         Honeydew Melon         5,032,451           30         Wheat (grain)         5,015,276           31         Spices / Herbs         4,960,169           32         Apiculture         4,844,400           33         Misc. Tree and Vine         4,863,263           34         Artichoke         4,288,836           35         Navel Oranges         4,280,902           36   |      |                                       |               |
| 16         Cattle / Calves         14,555,258           17         Mandarins         14,505,841           18         Strawberries         13,951,369           19         Potatoes         13,465,104           20         Sweet Corn         12,405,868           21         Carrots         12,119,625           22         Loose Leaf Lettuce         9,881,564           23         Cauliflower         8,727,522           24         Wine Grapes         6,700,756           25         Head Lettuce         6,512,700           26         Green Beans         5,586,134           27         Celery         5,306,947           28         Watermelon         5,269,536           29         Honeydew Melon         5,032,451           30         Wheat (grain)         5,015,276           31         Spices / Herbs         4,960,169           32         Apiculture         4,844,400           33         Misc. Tree and Vine         4,863,263           34         Artichoke         4,288,836           35         Navel Oranges         4,254,513           37         Valencia Oranges         4,254,513           37 <td></td> <td></td> <td></td>                        |      |                                       |               |
| 17       Mandarins       14,505,841         18       Strawberries       13,951,369         19       Potatoes       13,465,104         20       Sweet Corn       12,405,868         21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,288,836         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650   |      |                                       |               |
| 18       Strawberries       13,951,369         19       Potatoes       13,465,104         20       Sweet Corn       12,405,868         21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         40       Eggplant       2,589,650         41       Tomatoes       2,45   |      |                                       |               |
| 19       Potatoes       13,465,104         20       Sweet Corn       12,405,868         21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192 <td></td> <td></td> <td></td>  |      |                                       |               |
| 20       Sweet Corn       12,405,868         21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,254,513         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,1   |      |                                       |               |
| 21       Carrots       12,119,625         22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534 <td></td> <td></td> <td></td>  |      |                                       |               |
| 22       Loose Leaf Lettuce       9,881,564         23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,866,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567   |      |                                       |               |
| 23       Cauliflower       8,727,522         24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,40   |      |                                       |               |
| 24       Wine Grapes       6,700,756         25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)  |      |                                       |               |
| 25       Head Lettuce       6,512,700         26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock /  |      |                                       |               |
| 26       Green Beans       5,586,134         27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617   |      | ·                                     |               |
| 27       Celery       5,306,947         28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      |                                       |               |
| 28       Watermelon       5,269,536         29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      |                                       |               |
| 29       Honeydew Melon       5,032,451         30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      |                                       |               |
| 30       Wheat (grain)       5,015,276         31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      |                                       |               |
| 31       Spices / Herbs       4,960,169         32       Apiculture       4,844,400         33       Misc. Tree and Vine       4,863,263         34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617   |      |                                       |               |
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| 34       Artichoke       4,288,836         35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      | •                                     |               |
| 35       Navel Oranges       4,280,902         36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617   |      |                                       |               |
| 36       Cantaloupe       4,254,513         37       Valencia Oranges       4,023,625         38       Talapia       3,741,000         39       Mixed Melons       3,429,105         40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      |                                       | · · · · ·     |
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| 40       Eggplant       2,589,650         41       Tomatoes       2,457,000         42       Spinach       1,997,192         43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617   |      | · · · · · · · · · · · · · · · · · · · |               |
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| 43       Squash       1,704,534         44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      |                                       |               |
| 44       Sheep and Lambs       1,567,608         45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617  |      | ·                                     |               |
| 45       Other Livestock       1,258,400         46       Alfalfa (green chop / silage)       1,164,400         47       Other Livestock / Poultry Products       1,128,617   |      | ·                                     |               |
| 46 Alfalfa (green chop / silage) 1,164,400<br>47 Other Livestock / Poultry Products 1,128,617   |      | •                                     |               |
| 47 Other Livestock / Poultry Products 1,128,617   |      |                                       |               |
| ·   |      |                                       |               |
| Titicale (green chop / shaye) 1,075,000   | 48   | Triticale (green chop / silage)       | 1,073,600     |

# **PHYTOSANITARY EXPORT CERTIFICATION - 2011**

### **COMMODITIES CERTIFIED**

Alfalfa Corn Wheat Peaches
Apple Cuttings Cotton Peas

Artichokes Date Palm Shoots Persimmons
Assorted Nursery Plants Dates Pomegranates

Avocados Dill Potatoes Basil Flax **Prunes Bell Peppers** Klein Grass Rosemary Bermuda Grass Lettuce Sage Broccoli Mangoes Savory Cauliflower Melons Spinach Sudan Grass Celery Mint Cherries Oats Sunflower Chives Olives **Table Grapes** 

CilantroOnionsThymeCitrusOreganoTomatoesCitrus Bud StemsWatermelons

### **EXPORT COUNTRIES**

Argentina El Salvador Norway Australia Pakistan France Bahamas French Polynesia Panama Bahrain Germany Peru Belize **Philippines** Guatemala Bangladesh Honduras Qatar

Bermuda Hong Kong Republic of Korea
Brazil India Russian Federation

Cambodia Indonesia Rwanda Canada Isreal Singapore Chile Spain Jamaica China Japan Sri Lanka Christmas Island Kuwait Taiwan Colombia Thailand Lebanon Turkey Costa Rica Mayaysia

Curacao Mexico Uganda
Democratic People's Republic Of Korea Morocco United Arab Emirates

DenmarkNetherlandsUnited KingdomDominican RepublicNew CaledoniaViet NamEcuadorNew ZealandZambia

Egypt

# 2011 CROP REPORT CONTEXT ™

Economic Contributions of Riverside County Agriculture

### Introduction

Agriculture plays a key role in maintaining a vibrant local economy. Workers dot the farm fields, fresh produce fills the grocery shelves, and Riverside County growers ship fruits and vegetables to all 50 states and to more than 60 foreign countries. What remains unclear, however, is the overall role that agriculture plays in sustaining a healthy local economy. How much economic output do all the food growers and processors generate? How many jobs do they support? What economic "ripple effects" does agriculture create locally? In other words, just how important is agriculture as a driver of economic health?

This report sheds light on these and related questions. Using multiple data sources and advanced economic modeling techniques, this report analyzes Riverside County agriculture's total contribution to the local economy. The findings offer the fullest picture yet of agriculture's economic role.

### **Our Approach**

When it comes to economic analysis, it is important to examine *multiplier effects*. These effects take two forms: *indirect effects* and *induced effects*. The first consists of "business to business" supplier purchases, such as farm equipment, fertilizer, seed, insurance, banking service, and other agricultural inputs. The second type (*induced effects*) includes "consumption spending" by agriculture business owners and their employees. They buy housing, healthcare, leisure activities and other things for their households. Quantifying these *multiplier effects* helps capture the full value of an economic sector.

### **About the Data and Analysis**

The data for this analysis came from the U.S. Bureau of Economic Analysis, packaged in proprietary software and a data program called IMPLAN, which is copyrighted by MIG, Inc. (<a href="www.implan.com">www.implan.com</a>). Crop Report Context  $^{TM}$  is a registered trademark of Agricultural Impact Associates, which performed the analysis for this section (<a href="www.ag-impact.com">www.ag-impact.com</a>).

### **Economic Output**

Agriculture's *direct* economic contribution to Riverside County economy: **\$2.68 billion** 

Agriculture's *multiplier effects* from local expenditures by agricultural companies and their employees: **\$1.65 billion** 

Agriculture's **total economic contribution** to Riverside County economy: **\$4.33 billion** 

Amount paid by agricultural companies in business taxes (excluding income tax): **\$65.1 million** 

### **Employment**

Riverside County jobs provided *directly* by agriculture:

14.700

Riverside County jobs provided indirectly by agriculture:

15,002

Total number of Riverside County jobs provided by agriculture:

29,702

### Toward the Future

Agriculture is one of Riverside County's economic pillars and represents a vital link to both the county's cultural past and competitive future. The process of developing this report has raised several additional questions that lie beyond the scope of this report but may warrant future research. In the meantime, the findings here provide the clearest picture yet of Riverside County agriculture's economic role.

# **SUSTAINABLE AGRICULTURE - 2011**

**Pest** 

### **ORGANIC FARMING**

138 Organic producers registered in Riverside County

### **PEST DETECTION** (Commercial and Urban)

| Activity         | <u>Hours</u> |
|------------------|--------------|
| Commercial Crops | 858.4        |
| Public Contact   | 75.5         |
| Special Surveys: |              |

| Red Imported Fire Ant | 17.5 |
|-----------------------|------|
| Other                 | 121  |

| Citrus Tristeza Indexing (Coachella Valley) | <u>Numbers</u> |
|---|----------------|
| Commercial                                  |                |

| Properties tested            | 2    |
|------------------------------|------|
| Acres Sampled                | 54.5 |
| Samples tested biochemically | 201  |
| "Positive" samples           | 0    |

### **PEST DETECTION (**Exotic Insects)

| <u>Pest</u>            | Trap Servicings |
|------------------------|-----------------|
| European Corn Borer    | 48              |
| Gypsy Moth             | 55              |
| Khapra Beetle          | 32              |
| Asian Citrus Psyllid   | 499             |
| Light Brown Apple Moth | 441             |
| EGVM                   | 3,471           |

### **Pest Exclusion** (Incoming plant shipments)

| <b>Units Profiled</b> | Units inspected | Rejections |
|-----------------------|-----------------|------------|
| 8.220                 | 3.225           | 70         |

### **PEST ABATEMENT / HOLD NOTICES**

| <u>Pest</u>                | <u>Properties</u> |
|----------------------------|-------------------|
| California Red Scale       | 22                |
| Sting Nematode             | 7                 |
| Citrus Tristeza Virus      | 0                 |
| Glassy-Winged Sharpshooter | 0                 |

### **BIOLOGICAL CONTROL OF WEEDS**

| <u>Pest</u>        | Control Agent                     |
|--------------------|-----------------------------------|
| Yellow Starthistle | Bangasternus orientalis (weevil)  |
|                    | Eustenopus Villosus (weevil)      |
| Puncture Vine      | Microlarinus lareynii (weevil)    |
|                    | Microlarinus lypriformis (weevil) |

# BIOLOGICAL CONTROL OF INSECTS AND SNAILS

**Control Agent** 

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### **OTHER**

Snail

Enforcement of County Ordinances to control Lettuce Mosaic Virus, Agricultural Grading, Land Application of Manure and Biosolids, Cotton Plowdown, Blowing Dust, and Beekeeping.

# **PEST INTERCEPTIONS - 2011**

| Scientific Name               | Common Name (if any)   | Pest Rating | No. of Interceptions |
|-------------------------------|------------------------|-------------|----------------------|
| Maconellicoccus hirsutus      | Pink Hibiscus Mealybug | А           | 15                   |
| Solenopsis invicta            | Red Imported Fire Ant  | А           | 9                    |
| Pseudococcus importatus       | Imported Mealybug      | А           | 6                    |
| Fusarium oxysporum            | Palm Wilt Disease      | А           | 3                    |
| Pseudaulacaspis cockerilli    | False Oleander Scale   | А           | 2                    |
| Pseudaulacaspis pentagona     | White Peach Scale      | А           | 1                    |
| Aonideilla aurantii           | California Red Scale   | В           | 10                   |
| Protopulvinaria pyriformis    | Pyriform Scale         | В           | 2                    |
| Paracoccus sp.                | A Mealybug             | Q           | 14                   |
| Hypogeococcus pungens         | Cactus Mealybug        | Q           | 5                    |
| Sitobion luteum               | Yellow Orchid Scale    | Q           | 3                    |
| Dendrothrips howei            | Thrips                 | Q           | 2                    |
| Margattea nimbata             | Cockroach              | Q           | 2                    |
| Miscanthicoccus miscanthi     | Grass Mealybug         | Q           | 2                    |
| Pseudaulacaspis brimblecombei | Maskell Scale          | Q           | 2                    |
| Pulvinaria delottoi           | Ice Plant Scale        | Q           | 2                    |
| Pulvinaria sp.                | A Scale                | Q           | 2                    |

# **PEST INTERCEPTIONS - 2011**

| Scientific Name               | Common Name (if any) | Pest Rating | No. of Interceptions |
|-------------------------------|----------------------|-------------|----------------------|
| Aulacaspis yaumatsui          | Cycad Scale          | Q           | 1                    |
| Chaetanaphothrips signipennis | Orchid Thrips        | Q           | 1                    |
| Franklineilla schultzei       | Tomato Thrips        | Q           | 1                    |
| Heterogaster urticai          | Nettle Ground Bug    | Q           | 1                    |
| Hylurgus ligniperda           | Bark Beetle          | Q           | 1                    |
| Naupactus sp.                 | White Fringed Beetle | Q           | 1                    |
| Nipaecoccus sp.               | Palm Mealybug        | Q           | 1                    |
| Orchamoplatus mammaererus     | Croton Whitefly      | Q           | 1                    |
| Planococcus sp.               | A Mealybug           | Q           | 1                    |
| Technomyrmex albipes          | White Footed Ant     | Q           | 1                    |

<sup>&</sup>quot;A" is an organism of known economic importance subject to state (or Agricultural Commissioner) enforcement action.

# **PEST INTERCEPTION SUMMARY 2007 - 2011**

| <u>Year</u> | <u>Total</u> | <u>A</u> | <u>B</u> | <u>Q</u> |
|-------------|--------------|----------|----------|----------|
| 2011        | 92           | 36       | 12       | 44       |
| 2010        | 38           | 4        | 11       | 23       |
| 2009        | 72           | 13       | 21       | 38       |
| 2008        | 131          | 58       | 39       | 34       |
| 2007        | 72           | 7        | 22       | 43       |

<sup>&</sup>quot;B" is an organism of known economic importance subject to enforcement acion at the discretion of the Agricultural Commissioner.

<sup>&</sup>quot;Q" is an organism suspected to be of economic importance but its status is uncertain because of incomplete or inadequate information.

# **STAFF MEMBERS - 2011**

### **Agricultural Commissioner / Sealer of Weights and Measures**

John Snyder

### **Executive Assistant**

Patrice Wyatt

### Assistant Agricultural Commissioner / Sealer of Weights and Measures

G. Dustin Wiley

### **Deputy Agricultural Commissioner / Sealer**

Ron Bray Bill Oesterlein

Robert Mulherin Bill Tracy

### Supervising Agricultural & Standards Investigaor

Don Domenigoni Suzanne Nickau Erin Freeman Keith Selnick

Dean Gottlieb

### **Agricultural & Standards Investigators**

| Rick Allert       | Kevin Doi             | Ting Hsiung        | Harry Loukatos        |
|-------------------|-----------------------|--------------------|-----------------------|
| Megan Barron      | Eric Downs            | Yadira Jimenez     | Victor Miranda        |
| Lucy Candelario   | Jacquelyne Drainville | Delia Jimenez-Cioc | Diana Nguyen          |
| Jennifer Chandler | Tom Finan             | Charles Kregl      | Jose Quintero         |
| Ven Chien         | Julius Francisco      | Mike Lahti         | Hugo Soto             |
| Courtney Cooper   | Gabriel Gowman        | Brian Larson       | Michele Tracy         |
| Andrea Dillon     | Charles Hardesty      | Jeremy Larson      | Stephanie Van Stockum |

Tom Hought Arturo Lomeli

### **Weights and Measures Inspector**

Steve Bennett Doug Simmons

### **Clerical Support Staff**

Kelly Briggs Cyntia Ramos
Tara Buffington Veronica Sanchez

Elisa Monteil



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# RIVERSIDE COUNTY AGRICULTURE

















**GROWING FOR OUR FUTURE** 

