



Tulare County Agricultural Commissioner/Sealer

Gary Kunkel, Agricultural Commissioner
Sealer of Weights and Measures

2002

WILLIAM J. "BILL" LYONS, JR., SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

AND

THE HONORABLE BOARD OF SUPERVISORS
COUNTY OF TULARE

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It is my pleasure to submit the 2001 Tulare County Annual Crop and Livestock Report. The report is produced in accordance with Sections 2272 and 2279 of the California Food and Agricultural Code and summarizes the acreage, production, and value of Tulare County's agricultural commodities. The figures herein, represent gross returns to the producer and do not reflect actual net profit.

This year's total value of all commodities is \$3,494,006,600 which represents an increase of just over \$425 million above last year's value. This is an all-time record for the County of Tulare.

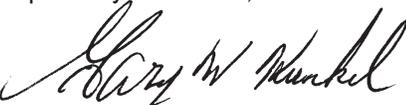
The price of milk more than offset last year's decline rising by \$2.43 per hundredweight. Improved prices combined with a further increase in volume resulted in a total milk value of \$1,154,146,000. This represents the first "billion dollar commodity" for any county in California.

For the third consecutive year, improvements in navel and valencia orange revenues helped this commodity retain it's number two ranking. For the first time in many years, cattle and calves moved up to the number three slot. This dropped grapes into fourth position. Declining grape acreage, lower yield, and reduced prices all combined to decrease revenues by \$57.5 million dollars. This is the lowest figure for grape commodities since the 1992 crop year.

Although declining revenues have been experienced by many producers in recent years, Tulare County's agricultural diversity continues to be it's strength. While individual commodities may struggle from year to year, there always seem to be those that emerge even stronger than before.

I wish to express my sincere appreciation to the many producers, processors, and agencies, both private and governmental, who supported our efforts in producing this report. I would also like to thank all the members of my staff, particularly Curt Steggall, with assistance from Dan Bigham, Bob Chilton, Dennis Haines, Jim Qualls and Gabriella Nunez. Without their hard work and valuable input, the publication of this report would have been impossible.

Respectfully submitted,


Gary W. Kunkel
Agricultural Commissioner/Sealer

Agricultural Commissioner/Sealer of Weights & Measures

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Tulare County Agricultural Offices

TULARE
AG WAREHOUSE
DINUBA (1)
DINUBA (2)
EXETER
LINDSAY
PIXLEY
PORTERVILLE
WOODLAKE

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324 West Tulare, Suite 102
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TULARE COUNTY ACREAGE-PERMANENT PLANTINGS

| CITRUS | BEARING ACREAGE | NON-BEARING ACREAGE | TOTAL ACREAGE |
|----------------------------|--------------------|------------------------|------------------|
| Grapefruit & Pummelos | 958 | 34 | 992 |
| Lemons | 3,645 | 27 | 3,672 |
| Limes | 3 | 5 | 8 |
| Navels | 73,317 | 1,368 | 74,685 |
| Valencias | 30,236 | 395 | 30,631 |
| Tangerines | 2,850 | 95 | 2,945 |
| Total Citrus | 111,009 | 1,924 | 112,933 |
| | | | |
| DECIDUOUS & GRAPES | | | |
| Almonds | 16,587 | 747 | 17,334 |
| Apples | 881 | 0 | 881 |
| Apricots | 730 | 29 | 759 |
| Avocados | 459 | 0 | 459 |
| Cherries | 1,396 | 196 | 1,592 |
| Figs | 63 | 0 | 63 |
| Grapes | | | |
| Raisin | 28,166 | 280 | 28,446 |
| Table | 27,766 | 866 | 28,632 |
| Wine | 12,754 | 276 | 13,030 |
| Kiwifruit | 1,463 | 57 | 1,520 |
| Nectarines | 15,323 | 800 | 16,123 |
| Olives | 15,973 | 187 | 16,160 |
| Peaches | | | |
| Cling | 1,168 | 24 | 1,192 |
| Freestone | 12,590 | 996 | 13,586 |
| Pears & Asian Pears | 523 | 30 | 553 |
| Pecans | 888 | 3 | 891 |
| Persimmons | 917 | 19 | 936 |
| Pistachio Nuts | 10,208 | 1,065 | 11,273 |
| Plums | 18,081 | 736 | 18,817 |
| Pomegranates | 1,313 | 12 | 1,325 |
| Prunes | 6,616 | 630 | 7,246 |
| Quince | 292 | 32 | 324 |
| Walnuts | 27,169 | 2,095 | 29,264 |
| Miscellaneous* | 213 | 340 | 553 |
| <hr/> | | | |
| TOTAL | | | |
| Total Grapes | 68,686 | 1,422 | 70,108 |
| Total Orchard Crops | 243,862 | 9,922 | 253,784 |
| <hr/> | | | |
| GRAND TOTAL | 312,548 | 11,344 | 323,892 |

*Includes: Chestnuts, Dates, Grape Rootstock, Guava/Feijoa, and Plumcots/Plucots/Pluots

**Figures in this report may not compute exactly due to rounding.

Field Crops

Total value for field crops increased slightly by 6.7% in 2001. Increases in production and commodity prices for alfalfa, barley, and corn helped improve the total value of field commodities.

| Crop | Year | Harvested Acreage | Production | | | Value | |
|-----------------------------------|------|-------------------|------------|-----------|------|--------------------|------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Alfalfa - Hay | 2001 | 93,809 | 9.00 | 844,000 | Ton | 115.00 | 97,060,000 |
| | 2000 | 92,888 | 8.40 | 780,000 | Ton | 97.30 | 75,894,000 |
| Silage ^a | 2001 | X | 2.40 | 125,000 | Ton | 28.00 | 3,500,000 |
| | 2000 | X | 2.75 | 124,000 | Ton | 22.00 | 2,728,000 |
| Barley | 2001 | 3,761 | 2.70 | 10,200 | Ton | 105.00 | 1,071,000 |
| | 2000 | 3,290 | 2.70 | 8,880 | Ton | 103.00 | 915,000 |
| Beans - Dry | 2001 | 6,561 | 1.49 | 9,780 | Ton | 493.00 | 4,822,000 |
| | 2000 | 7,517 | 1.48 | 11,100 | Ton | 449.00 | 4,984,000 |
| Corn - Grain | 2001 | 20,787 | 5.40 | 112,000 | Ton | 85.00 | 9,520,000 |
| | 2000 | 19,996 | 5.50 | 110,000 | Ton | 85.00 | 9,350,000 |
| Silage | 2001 | 94,061 | 23.00 | 2,163,000 | Ton | 21.30 | 46,072,000 |
| | 2000 | 90,478 | 25.70 | 2,325,000 | Ton | 18.30 | 42,548,000 |
| Cotton - Lint ^b | 2001 | 77,070 | 1,290.00 | 201,000 | Bale | 68.50 ^f | 68,791,000 |
| | 2000 | 79,410 | 1,410.00 | 226,000 | Bale | 64.00 | 71,660,000 |
| Seed | 2001 | X | X | 69,200 | Ton | 160.00 | 11,072,000 |
| | 2000 | X | X | 78,100 | Ton | 158.00 | 12,340,000 |
| Pasture & Range (Irrigated) | 2001 | 110,281 | X | X | Acre | 114.00 | 12,572,000 |
| | 2000 | 110,281 | X | X | Acre | 112.00 | 12,351,000 |
| Native | 2001 | 615,000 | X | X | Acre | 12.00 | 7,380,000 |
| | 2000 | 615,000 | X | X | Acre | 12.00 | 7,380,000 |
| Other | 2001 | 79,800 | X | X | Acre | 19.20 | 1,532,000 |
| | 2000 | 83,385 | X | X | Acre | 12.00 | 1,001,000 |
| Silage - Small Grain ^c | 2001 | 62,620 | 17.00 | 1,065,000 | Ton | 20.00 | 21,300,000 |
| | 2000 | 64,666 | 16.00 | 1,035,000 | Ton | 16.80 | 17,388,000 |
| Sorghum Grain | 2001 | 3,471 | 2.20 | 7,640 | Ton | 90.00 | 688,000 |
| | 2000 | 211 | 2.50 | 528 | Ton | 90.00 | 47,500 |
| Sudan Grass ^d | 2001 | 4,851 | 30.00 | 146,000 | Ton | 14.00 | 2,044,000 |
| | 2000 | 6,174 | 29.30 | 181,000 | Ton | 14.80 | 2,679,000 |
| Sugar Beets | 2001 | 1,413 | 32.50 | 45,900 | Ton | 28.50 | 1,308,000 |
| | 2000 | 4,262 | 27.70 | 118,000 | Ton | 26.60 | 3,139,000 |
| Wheat | 2001 | 46,193 | 2.25 | 104,000 | Ton | 92.50 | 9,620,000 |
| | 2000 | 49,840 | 2.91 | 145,000 | Ton | 98.30 | 14,254,000 |

Field Crops *continued*

| Crop | Year | Harvested Acreage | Production | | | Value | |
|----------------------------|------|-------------------|------------|-------|------|----------|-------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Miscellaneous ^e | 2001 | 9,099 | X | X | X | X | 2,727,000 |
| | 2000 | 5,583 | X | X | X | X | 3,383,000 |
| TOTAL | 2001 | 1,228,777 | | | | | 301,079,000 |
| | 2000 | 1,232,981 | | | | | 282,041,500 |

^a Green weight basis.

^b Yield per acre in pounds lint, production total in 495 lbs net weight bales, unit value in dollars per lint hundredweight.

^c Includes: Barley, Oats, Wheat, and Winter Forage

^d Sudan Grass reported as green chop in 2001.

^e Includes: Bean Screenings & Straw, Oat Grain, Oat Hay, Rye Grain, Safflower, and Straw.

^f Price reported at press time.

Vegetable Crops

Increased production and rise in commodity prices resulted in a 47% increase in total value for all vegetable crops.

| Crop | Year | Harvested Acreage | Production | | | Value | |
|--------------------|------|-------------------|------------|--------|------|----------|------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Broccoli | 2001 | 2,447 | 5.51 | 13,500 | Ton | 494.00 | 6,669,000 |
| | 2000 | 1,356 | 5.21 | 7,060 | Ton | 415.00 | 2,930,000 |
| Cauliflower | 2001 | 1,238 | 7.78 | 9,630 | Ton | 454.00 | 4,372,000 |
| | 2000 | 373 | 7.81 | 2,910 | Ton | 535.00 | 1,557,000 |
| Cucumbers | 2001 | 243 | 16.00 | 3,890 | Ton | 625.00 | 2,431,000 |
| | 2000 | 131 | 13.10 | 1,740 | Ton | 680.00 | 1,428,000 |
| Snap Beans - Fresh | 2001 | 625 | 4.75 | 2,970 | Ton | 1,960.00 | 5,821,000 |
| | 2000 | 1,036 | 2.38 | 2,470 | Ton | 1,810.00 | 4,471,000 |
| Sweet Corn | 2001 | 196 | 10.00 | 1,960 | Ton | 240.00 | 470,000 |
| | 2000 | 316 | 8.13 | 2,570 | Ton | 422.00 | 1,085,000 |
| Tomatoes - Fresh | 2001 | 211 | 15.00 | 3,160 | Ton | 440.00 | 1,390,000 |
| | 2000 | 383 | 17.20 | 6,509 | Ton | 428.00 | 2,821,000 |
| Miscellaneous* | 2001 | 9,374 | X | X | X | X | 31,068,000 |
| | 2000 | 4,571 | X | X | X | X | 21,186,000 |
| TOTAL | 2001 | 14,334 | | | | | 52,221,000 |
| | 2000 | 8,166 | | | | | 35,478,000 |

* Includes: Artichokes, Asparagus, Assorted Peppers, Basil, Beets, Bitter Melon, Bok Choy, Cabbage, Cactus, Calinary, Camote, Cardise, Carrots, Celery, Chayote, Chong Sun, Cilantro, Coletis, Collards, Daikon, Dill, Eggplant, Garlic, Gourds, Horseradish, Kale, Lettuce, Cantaloupe Melons, Honeydew Melons, Other Melons, Nutako, Okra, Onions, Pallang, Parsley, Peas, Pechoy, Pimento, Potatoes, Pumpkins, Radishes, Sinqa, Spinach, Squash, Sunflowers, Taro, Tomatillos, Processed Tomatoes, Turnips, Watermelon, Yachoy, Yams, Zucchini

Fruit and Nut Crops

Despite a loss of 13,000 acres of bearing acreage from 2000, increases in commodity prices for plums, nectarines, kiwifruit, valencia oranges, pistachio nuts and almonds, offset the losses in production and prices that occurred in grape categories. Fruit and nut crops increased in value by 2.5% from 2000.

| Crop | Year | Harvested Acreage | Per Acre | Production | | Value | |
|----------------------|------|-------------------|----------|------------|------|----------|-------------|
| | | | | Total | Unit | Per Unit | Total |
| Almonds - Meats | 2001 | 16,587 | 0.90 | 14,900 | Ton | 1,760.00 | 26,224,000 |
| | 2000 | 15,737 | 0.79 | 12,400 | Ton | 1,960.00 | 24,304,000 |
| Hulls | 2001 | X | X | 37,900 | Ton | 80.00 | 3,032,000 |
| | 2000 | X | X | 31,400 | Ton | 75.00 | 2,355,000 |
| Apples | 2001 | 881 | 7.74 | 6,820 | Ton | 751.00 | 5,122,000 |
| | 2000 | 1,250 | 7.88 | 9,850 | Ton | 644.00 | 6,343,000 |
| Apricots | 2001 | 730 | 5.24 | 3,830 | Ton | 1,428.00 | 5,469,000 |
| | 2000 | 1,011 | 9.16 | 9,260 | Ton | 953.00 | 8,825,000 |
| Avocados | 2001 | 459 | 2.97 | 1,360 | Ton | 1,540.00 | 2,094,000 |
| | 2000 | 646 | 3.34 | 2,160 | Ton | 640.00 | 1,382,000 |
| Cherries | 2001 | 1,396 | 2.09 | 2,920 | Ton | 3,310.00 | 9,665,000 |
| | 2000 | 781 | 1.56 | 1,220 | Ton | 6,820.00 | 8,320,000 |
| Grapes - Total | 2001 | 68,686 | X | X | X | X | 361,515,000 |
| | 2000 | 78,264 | X | X | X | X | 419,088,000 |
| Raisin Varieties | 2001 | 28,166 | 9.31 | X | X | X | X |
| | 2000 | 33,418 | 9.49 | X | X | X | X |
| Canned | 2001 | X | X | 43,300 | Ton | 245.00 | 10,608,000 |
| | 2000 | X | X | 23,400 | Ton | 240.00 | 5,616,000 |
| Crushed ^a | 2001 | X | X | 27,300 | Ton | 80.00 | 2,184,000 |
| | 2000 | X | X | 61,500 | Ton | 148.00 | 9,102,000 |
| Dried ^b | 2001 | X | X | 31,300 | Ton | 525.00 | 16,432,000 |
| | 2000 | X | X | 38,000 | Ton | 600.00 | 22,800,000 |
| Fresh | 2001 | X | X | 63,700 | Ton | 983.00 | 62,617,000 |
| | 2000 | X | X | 71,640 | Ton | 1,160.00 | 83,102,000 |
| Table Varieties | 2001 | 27,766 | 8.79 | X | X | X | X |
| | 2000 | 30,698 | 9.23 | X | X | X | X |
| Crushed | 2001 | X | X | 27,200 | Ton | 80.00 | 2,176,000 |
| | 2000 | X | X | 42,400 | Ton | 94.80 | 4,020,000 |
| Fresh | 2001 | X | X | 217,000 | Ton | 1,060.00 | 230,020,000 |
| | 2000 | X | X | 241,000 | Ton | 1,060.00 | 255,460,000 |

Fruit and Nut Crops *continued*

| Crop | Year | Harvested Acreage | Production | | | Value | |
|---------------------------------|------|-------------------|------------|---------|------|----------|-------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Wine Varieties | 2001 | 12,754 | 10.80 | X | X | X | X |
| | 2000 | 14,148 | 11.40 | X | X | X | X |
| Crushed | 2001 | X | X | 124,000 | Ton | 248.00 | 30,752,000 |
| | 2000 | X | X | 154,000 | Ton | 248.00 | 38,192,000 |
| Juice | 2001 | X | X | 14,100 | Ton | 477.00 | 6,726,000 |
| | 2000 | X | X | 7,190 | Ton | 404.00 | 2,905,000 |
| Grapefruit - Fresh ^c | 2001 | 958 | 12.70 | 12,200 | Ton | 471.00 | 5,746,000 |
| | 2000 | 1,972 | 12.30 | 24,300 | Ton | 501.00 | 12,174,000 |
| Kiwifruit | 2001 | 1,463 | 5.05 | 7,400 | Ton | 1,880.00 | 13,912,000 |
| | 2000 | 1,834 | 8.87 | 16,300 | Ton | 1,080.00 | 17,604,000 |
| Lemons - Fresh | 2001 | 3,645 | 13.10 | 36,300 | Ton | 597.00 | 21,671,000 |
| | 2000 | 3,674 | 9.06 | 23,000 | Ton | 854.00 | 19,642,000 |
| Processed | 2001 | X | X | 11,500 | Ton | 28.50 | 328,000 |
| | 2000 | X | X | 10,300 | Ton | 47.50 | 489,000 |
| Nectarines - Fresh | 2001 | 15,323 | 4.62 | 70,800 | Ton | 990.00 | 70,092,000 |
| | 2000 | 14,995 | 6.66 | 99,900 | Ton | 623.00 | 62,238,000 |
| Olives | 2001 | 15,973 | 4.10 | 65,500 | Ton | 645.00 | 42,248,000 |
| | 2000 | 16,705 | 1.39 | 23,200 | Ton | 668.00 | 15,498,000 |
| Oranges - Navel | 2001 | 73,317 | 12.00 | 733,000 | Ton | 482.00 | 353,306,000 |
| | 2000 | 74,141 | 15.40 | 856,000 | Ton | 415.00 | 355,240,000 |
| Processed | 2001 | X | X | 150,000 | Ton | 4.27 | 640,000 |
| | 2000 | X | X | 285,000 | Ton | 18.70 | 5,330,000 |
| Oranges - Valencia | 2001 | 30,236 | 17.10 | 356,000 | Ton | 485.00 | 172,660,000 |
| | 2000 | 30,610 | 16.70 | 237,000 | Ton | 336.00 | 79,632,000 |
| Processed | 2001 | X | X | 160,000 | Ton | 24.50 | 3,920,000 |
| | 2000 | X | X | 273,000 | Ton | 40.50 | 11,056,000 |
| Peaches - Cling | 2001 | 1,168 | 16.00 | 18,700 | Ton | 234.00 | 4,376,000 |
| | 2000 | 1,206 | 20.20 | 24,400 | Ton | 233.00 | 5,685,000 |
| Freestone - Fresh | 2001 | 12,590 | 7.22 | 63,200 | Ton | 711.00 | 44,935,000 |
| | 2000 | 12,725 | 9.66 | 87,000 | Ton | 627.00 | 54,549,000 |
| Processed | 2001 | X | X | 27,700 | Ton | 200.00 | 5,540,000 |
| | 2000 | X | X | 35,900 | Ton | 200.00 | 7,180,000 |
| Pears & Asian Pears | 2001 | 523 | 5.67 | 2,970 | Ton | 1,470.00 | 4,366,000 |
| | 2000 | 664 | 4.81 | 3,190 | Ton | 1,760.00 | 5,614,000 |
| Pecans | 2001 | 888 | 0.78 | 693 | Ton | 3,400.00 | 2,356,000 |
| | 2000 | 898 | 1.12 | 1,010 | Ton | 3,050.00 | 3,080,000 |

Fruit and Nut Crops *continued*

| Crop | Year | Harvested Acreage | Production | | | Value | |
|---------------------------------|------|-------------------|------------|---------|------|----------|---------------|
| | | | Per Acre | Total | Unit | Per Unit | Total |
| Persimmons | 2001 | 917 | 4.49 | 4,120 | Ton | 1,370.00 | 5,644,000 |
| | 2000 | 892 | 9.10 | 8,120 | Ton | 985.00 | 7,998,000 |
| Pistachio Nuts | 2001 | 10,208 | 1.42 | 14,500 | Ton | 2,140.00 | 31,030,000 |
| | 2000 | 9,579 | 1.11 | 10,600 | Ton | 2,100.00 | 22,260,000 |
| Plums - Fresh | 2001 | 18,081 | 6.30 | 114,000 | Ton | 810.00 | 92,340,000 |
| | 2000 | 18,054 | 6.14 | 111,000 | Ton | 825.00 | 91,575,000 |
| Pomegranates | 2001 | 1,313 | 4.91 | 6,450 | Ton | 888.00 | 5,728,000 |
| | 2000 | 1,391 | 5.16 | 7,180 | Ton | 1,060.00 | 7,611,000 |
| Prunes - Processed ^d | 2001 | 6,616 | 1.93 | 9,000 | Ton | 800.00 | 7,200,000 |
| | 2000 | 7,191 | 1.42 | 9,780 | Ton | 875.00 | 8,558,000 |
| Fresh ^e | 2001 | X | X | 1,260 | Ton | 1,480.00 | 1,865,000 |
| | 2000 | X | X | 1,360 | Ton | 1,440.00 | 1,958,000 |
| Quince | 2001 | 292 | 5.09 | 1,490 | Ton | 1,600.00 | 2,384,000 |
| | 2000 | 213 | 5.64 | 1,200 | Ton | 1,490.00 | 1,788,000 |
| Tangerines ^f | 2001 | 2,850 | 6.92 | 19,700 | Ton | 1,010.00 | 19,897,000 |
| | 2000 | 2,604 | 9.79 | 25,500 | Ton | 944.00 | 24,072,000 |
| Walnuts | 2001 | 27,169 | 1.37 | 37,200 | Ton | 1,050.00 | 39,060,000 |
| | 2000 | 29,200 | 1.25 | 36,500 | Ton | 1,160.00 | 42,340,000 |
| Miscellaneous ^g | 2001 | 610 | X | X | X | X | 5,923,000 |
| | 2000 | 330 | X | X | X | X | 2,496,000 |
| TOTAL | 2001 | 312,879 | | | | | 1,370,288,000 |
| | 2000 | 326,567 | | | | | 1,314,938,000 |

^a Includes green weight raisins for distillery materials and juice pack.

^b A combined value reflecting free and reserve tonnage.

An agreed-upon price per ton had not been reached when this report went to print in 2001. The value used, for reporting purposes only, was \$1,025.00 per ton, the last value offered by the Raisin Bargaining Association. The revised value of \$600.00 per ton for 2000 prices used in this report, reflects free tonnage, reserve tonnage and raisin diversion program tonnage.

^c Includes: Pummelos and Hybrids

^d Yield is dry weight basis.

^e Green weight basis.

^f Includes: Tangelos and Tangors.

^g Includes: Bushberries, Blueberries, Chestnuts, Citron, Figs, Guava/Feijoa, Limes, Plumcots, Pluots, Processed Plums, Strawberries, Kumquat, and Loquat.

“ What we hope ever to do with ease, we must first learn to do with diligence. ” *Samuel Johnson*

Nursery Products

Improved prices for ornamental nursery stock could not offset an 11% decline in plants sold. Category total value declined from 2000 by an almost identical 10%.

| Crop | Year | Production | | Value | |
|------------------------------|------|---------------|------|----------|------------|
| | | Quantity Sold | Unit | Per Unit | Total |
| Citrus & Subtropical Trees | 2001 | 611,000 | Each | 8.54 | 5,218,000 |
| | 2000 | 786,000 | Each | 8.84 | 6,946,000 |
| Deciduous Fruit & Nut Trees | 2001 | 545,000 | Each | 8.73 | 4,758,000 |
| | 2000 | 642,000 | Each | 6.79 | 4,737,000 |
| Grape & Berry Vines | 2001 | 2,331,000 | Each | 2.44 | 5,688,000 |
| | 2000 | 2,871,000 | Each | 2.24 | 6,431,000 |
| Foliage Plants & Cut Flowers | 2001 | X | X | X | 1,111,000 |
| | 2000 | X | X | X | 1,191,000 |
| Ornamental Trees & Shrubs | 2001 | 4,453,000 | Each | 9.73 | 43,328,000 |
| | 2000 | 4,946,000 | Each | 9.53 | 48,936,000 |
| Miscellaneous* | 2001 | X | X | X | 5,072,000 |
| | 2000 | X | X | X | 4,506,000 |
| TOTAL | 2001 | | | | 65,175,000 |
| | 2000 | | | | 72,747,000 |

*Includes: Aquatics, Citrus (Buds, Cuttings & Scions), Christmas Trees, Ground Cover, Irises, Landscape Olive Trees, Palm Trees, Turf, and Vegetable & Flower Plants in Flats.

Apiary Products

Less competition from foreign government subsidized imported honey helped local producers show nice gains over last year. Higher demand, coupled with fewer colonies available for pollination, resulted in higher prices paid by growers for quality pollination service.

| Crop | Year | Production | | Value | |
|-----------------------------|------|------------|--------|----------|------------|
| | | Total | Unit | Per Unit | Total |
| Honey - Orange ^a | 2001 | 16,714,000 | Pound | 0.69 | 11,533,000 |
| | 2000 | 17,689,000 | Pound | 0.58 | 8,668,000 |
| Other | 2001 | 1,925,000 | Pound | 0.64 | 1,232,000 |
| | 2000 | 1,925,000 | Pound | 0.39 | 751,000 |
| Beeswax | 2001 | 105,000 | Pound | 1.26 | 132,000 |
| | 2000 | 105,000 | Pound | 1.17 | 123,000 |
| Pollination ^b | 2001 | 160,000 | Colony | 30.80 | 4,928,000 |
| | 2000 | 166,000 | Colony | 23.50 | 3,901,000 |
| TOTAL | 2001 | | | | 17,825,000 |
| | 2000 | | | | 13,443,000 |

^a From bee colonies registered in Tulare County during 2001 citrus bloom period.

^b Estimated number of colonies required for adequate pollination.

Livestock & Poultry

Increases in the number of head of cattle and hogs, in addition to improved prices, increased the total value of livestock by 14% for 2001. Cattle and calves had the largest net increase in value of 17%, followed by hogs at 2.7%. Turkey prices fell by 0.7% from 2000.

| Crop | Year | Number of Head | Total Liveweight | Unit | Value | |
|-----------------|------|----------------|------------------|-------|----------|-------------|
| | | | | | Per Unit | Total |
| Cattle & Calves | 2001 | 538,000 | X | Head | 815.00 | 438,470,000 |
| | 2000 | 495,000 | X | Head | 788.00 | 375,210,000 |
| Lambs | 2001 | 13,100 | 1,248,000 | Pound | 0.67 | 836,000 |
| | 2000 | 12,900 | 1,224,000 | Pound | 0.78 | 955,000 |
| Hogs & Pigs | 2001 | 294,000 | X | Head | 103.00 | 30,282,000 |
| | 2000 | 292,000 | X | Head | 101.00 | 29,492,000 |
| Turkeys | 2001 | 889,000 | 21,960,000 | Pound | 1.34 | 29,426,000 |
| | 2000 | 889,000 | 21,960,000 | Pound | 1.35 | 29,636,000 |
| Miscellaneous* | 2001 | X | X | X | X | 16,914,000 |
| | 2000 | X | X | X | X | 16,810,000 |
| TOTAL | 2001 | | | | | 515,928,000 |
| | 2000 | | | | | 452,103,000 |

*Includes: Aquaculture, Beneficial Organisms, Chickens, Escargot, Fish Bait, Game Birds, Goats, Pet Food, Pigeons, Pullets, Rabbits, Sheep, and Turkey Breeders.

Livestock & Poultry Products

While the volume of milk production increased by almost 11% over last year, the price also improved by \$2.43 per hundred-weight. This propelled milk to a record high of well over \$1 billion dollars.

| Crop | Year | Production | Unit | Value | |
|----------------------------|------|------------|------|----------|---------------|
| | | | | Per Unit | Total |
| Manure ^a | 2001 | 2,250,000 | Ton | 2.74 | 6,165,000 |
| | 2000 | 2,065,000 | Ton | 2.74 | 5,658,000 |
| Milk - Market | 2001 | 83,812,000 | Cwt. | 13.74 | 1,151,577,000 |
| | 2000 | 75,622,000 | Cwt. | 11.31 | 855,285,000 |
| Manufacturing | 2001 | 197,000 | Cwt. | 13.04 | 2,569,000 |
| | 2000 | 191,000 | Cwt. | 10.10 | 1,929,000 |
| Miscellaneous ^b | 2001 | X | X | X | 7,685,000 |
| | 2000 | X | X | X | 8,823,000 |
| TOTAL | 2001 | | | | 1,167,996,000 |
| | 2000 | | | | 871,695,000 |

^aIncludes: Dairy and Poultry Manure.

^bIncludes: Turkey Hatching Eggs, Chicken Eggs (Market & Hatching), Goat Milk, and Wool.

Seed Crops

Seed crops declined in harvested acreage, production and price. This resulted in a 42% decrease in the value of seed crop commodities compared to 2000.

| Crop | Year | Harvested Acreage | Per Acre | Production | | Value | |
|---|------|-------------------|----------|------------|------|---------------------|---------|
| | | | | Total | Unit | Per Unit | Total |
| Cotton - Registered or Certified ^a | 2001 | 3,116 | X | 3,120 | Ton | 159.00 ^b | 496,000 |
| | 2000 | 3,982 | X | 3,980 | Ton | 220.00 | 876,000 |
| Miscellaneous ^c | 2001 | 62 | X | X | X | X | 65,600 |
| | 2000 | 194 | X | X | X | X | 98,700 |
| TOTAL | 2001 | 62 | | | | | 561,600 |
| | 2000 | 194 | | | | | 974,700 |

^a Not included in total acreage for "Seed Crops."

^b Includes \$50 per acre approval

^c Includes: Blackeye Cow Peas, Triticale, and Sunflowers

Industrial Crops

The slight rise in the board foot price did not offset the reduction in volume of timber harvested and the overall value of miscellaneous categories declined from 2000. This resulted in a 24% decrease in industrial commodities category for 2001.

| Crop | Year | Production | | Value | |
|-------------------------------|------|------------|-----------|----------|-----------|
| | | Total | Unit | Per Unit | Total |
| Timber harvested ^a | 2001 | 5,445,000 | Board Ft. | 0.281 | 1,530,000 |
| | 2000 | 7,894,000 | Board Ft. | 0.267 | 2,108,000 |
| Miscellaneous ^b | 2001 | X | X | X | 1,403,000 |
| | 2000 | X | X | X | 1,774,000 |
| TOTAL | 2001 | | | | 2,933,000 |
| | 2000 | | | | 3,882,000 |

^a Previous year's production & value based on information provided by Timber Tax Division, Property Taxes Dept., State Board of Equalization.

^b Includes: Biomass, Fire Wood, and Walnut Stumps.

SUMMARY

| COMMODITY | YEAR | HARVESTED ACREAGE | VALUE |
|---------------------------------|-------------|----------------------|----------------------|
| FIELD CROPS | 2001 | 1,228,776 | 301,079,000 |
| | 2000 | 1,232,981 | 282,041,500 |
| VEGETABLE CROP | 2001 | 14,334 | 52,221,000 |
| | 2000 | 8,166 | 35,478,000 |
| FRUIT & NUT CROPS | 2001 | 312,881 | 1,370,288,000 |
| | 2000 | 326,567 | 1,336,284,000 |
| NURSERY PRODUCTS | 2001 | X | 65,175,000 |
| | 2000 | X | 72,747,000 |
| APIARY PRODUCTS | 2001 | X | 17,825,000 |
| | 2000 | X | 13,443,000 |
| LIVESTOCK & POULTRY | 2001 | X | 515,928,000 |
| | 2000 | X | 452,103,000 |
| LIVESTOCK & POULTRY PRODUCTS | 2001 | X | 1,167,996,000 |
| | 2000 | X | 871,695,000 |
| SEED CROPS | 2001 | 62 | 561,600 |
| | 2000 | 194 | 974,700 |
| INDUSTRIAL CROPS | 2001 | X | 2,933,000 |
| | 2000 | X | 3,882,000 |
| GRAND TOTAL | 2001 | 1,556,053 | 3,494,006,600 |
| | 2000 | 1,567,908 | 3,068,648,200 |

MILLION DOLLAR PRODUCTS

| 2001 Ranking | 2001 Total Value | 2000 Ranking |
|--------------|--|--------------|
| 1 | Milk \$1,154,146,000 | 1 |
| 2 | Oranges - Navel & Valencia \$530,526,000 | 2 |
| 3 | Cattle & Calves \$438,470,000 | 4 |
| 4 | Grapes \$361,515,000 | 3 |
| 5 | Alfalfa - Hay & Silage \$100,560,000 | 7 |
| 6 | Plums \$92,340,000 | 5 |
| 7 | Cotton - Lint & Seed \$79,863,000 | 6 |
| 8 | Nectarines \$70,092,000 | 9 |
| 9 | Corn - Grain & Silage \$55,592,000 | 10 |
| 10 | Peaches - Cling & Freestone \$54,851,000 | 8 |
| 11 | Nursery - Ornamental Trees & Shrubs \$43,328,000 | 11 |
| 12 | Olives \$42,248,000 | 22 |
| 13 | Walnuts \$39,060,000 | 12 |
| 14 | Pistacho Nuts \$31,030,000 | 17 |
| 15 | Hogs & Pigs \$30,282,000 | 14 |
| 16 | Turkeys \$29,426,000 | 13 |
| 17 | Almonds (meats and hulls) \$29,256,000 | 15 |
| 18 | Lemons \$21,999,000 | 19 |
| 19 | Pasture & Range \$21,484,000 | 18 |
| 20 | Silage - Small Grain \$21,300,000 | 21 |
| 21 | Tangerines \$19,897,000 | 16 |
| 22 | Kiwifruit \$13,912,000 | 20 |
| 23 | Honey \$12,765,000 | 26 |
| 24 | Cherries \$9,665,000 | 28 |
| 25 | Wheat - Grain & Seed \$9,645,000 | 23 |
| 26 | Prunes \$9,065,000 | 25 |
| 27 | Broccoli \$6,669,000 | 42 |
| 28 | Manure \$6,165,000 | 34 |
| 29 | Snap Beans - Fresh \$5,821,000 | 38 |
| 30 | Grapefruit \$5,746,000 | 24 |
| 31 | Pomegranates \$5,728,000 | 30 |
| 32 | Nursery - Grape & Berry Vines \$5,688,000 | 32 |
| 33 | Persimmons \$5,644,000 | 29 |
| 34 | Apricots \$5,469,000 | 27 |
| 35 | Nursery - Citrus & Subtropical Trees \$5,218,000 | 31 |
| 36 | Apples \$5,122,000 | 33 |
| 37 | Pollination \$4,928,000 | 39 |
| 38 | Beans - Dry \$4,822,000 | 36 |
| 39 | Nursery - Deciduous Fruit & Nut Trees \$4,758,000 | 37 |
| 40 | Cauliflower \$4,372,000 | 47 |
| 41 | Pears & Asian Pears \$4,366,000 | 35 |
| 42 | Cucumbers \$2,431,000 | 48 |
| 43 | Quince \$2,384,000 | 46 |
| 44 | Pecans \$2,356,000 | 41 |
| 45 | Avocados \$2,094,000 | 49 |
| 46 | Sudan Grass \$2,044,000 | 44 |
| 47 | Timber Harvested \$1,530,000 | 45 |
| 48 | Tomatoes (fresh) \$1,390,000 | 43 |
| 49 | Sugar Beets \$1,308,000 | 40 |
| 50 | Nursery - Foliage Plants & Cut Flowers \$1,111,000 | 50 |
| 51 | Barley \$1,071,000 | ** |

** Not ranked in 2000

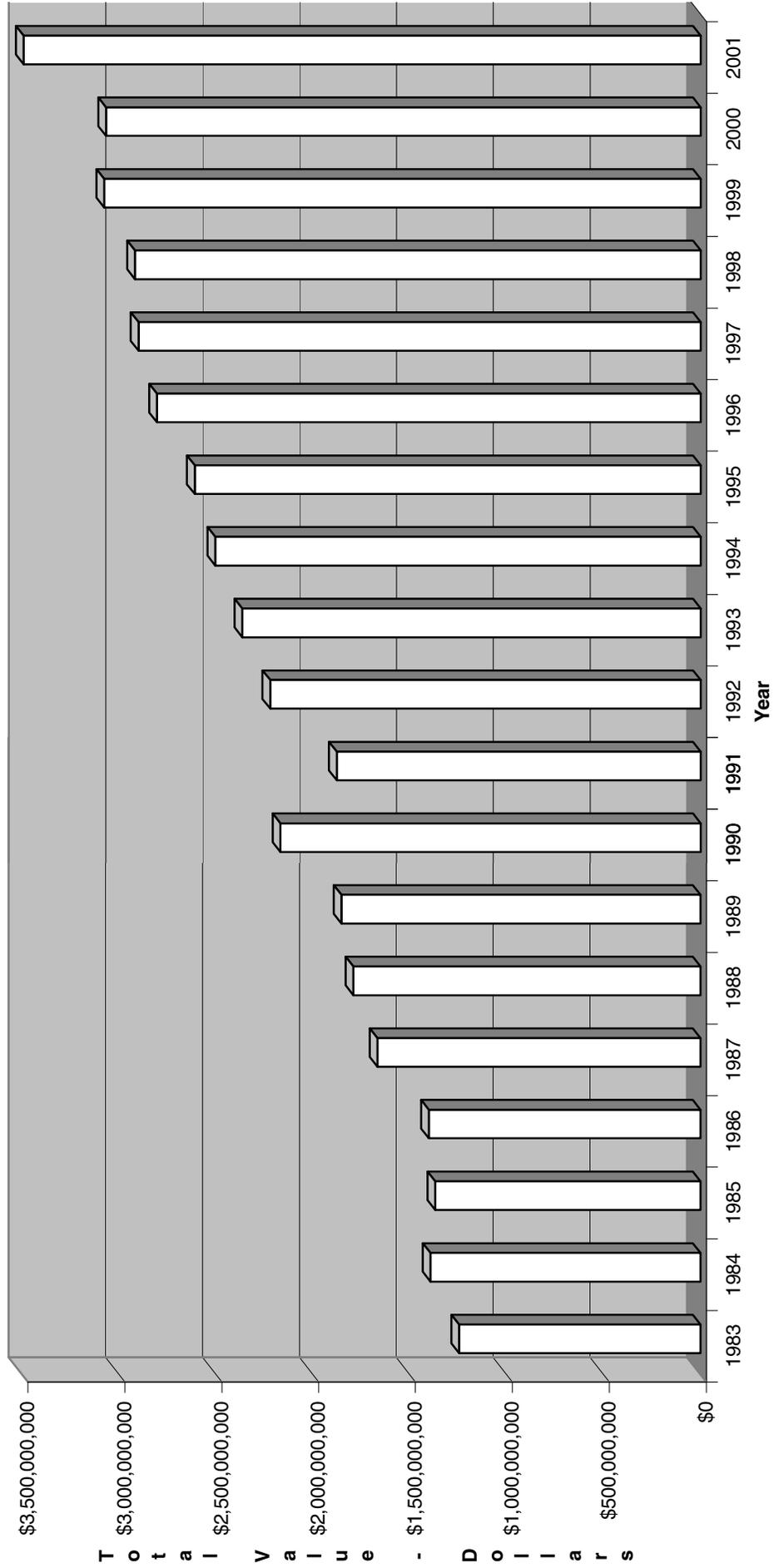
**TWENTY YEAR COMPARISON OF AGRICULTURE
INCOME IN TULARE COUNTY
1982-2001**

| | | | |
|------|-----------------|------|-----------------|
| 1982 | \$1,316,016,300 | 1992 | \$2,221,612,100 |
| 1983 | \$1,245,238,100 | 1993 | \$2,365,202,000 |
| 1984 | \$1,392,273,500 | 1994 | \$2,504,944,000 |
| 1985 | \$1,368,387,100 | 1995 | \$2,611,088,000 |
| 1986 | \$1,400,743,000 | 1996 | \$2,805,452,000 |
| 1987 | \$1,667,201,900 | 1997 | \$2,900,892,000 |
| 1988 | \$1,791,151,200 | 1998 | \$2,919,528,800 |
| 1989 | \$1,853,101,600 | 1999 | \$3,078,369,000 |
| 1990 | \$2,169,448,000 | 2000 | \$3,068,648,200 |
| 1991 | \$1,878,425,400 | 2001 | \$3,494,006,600 |

**STANDARD CARTON WEIGHTS (LBS.)
FOR FRESH MARKET COMMODITIES**

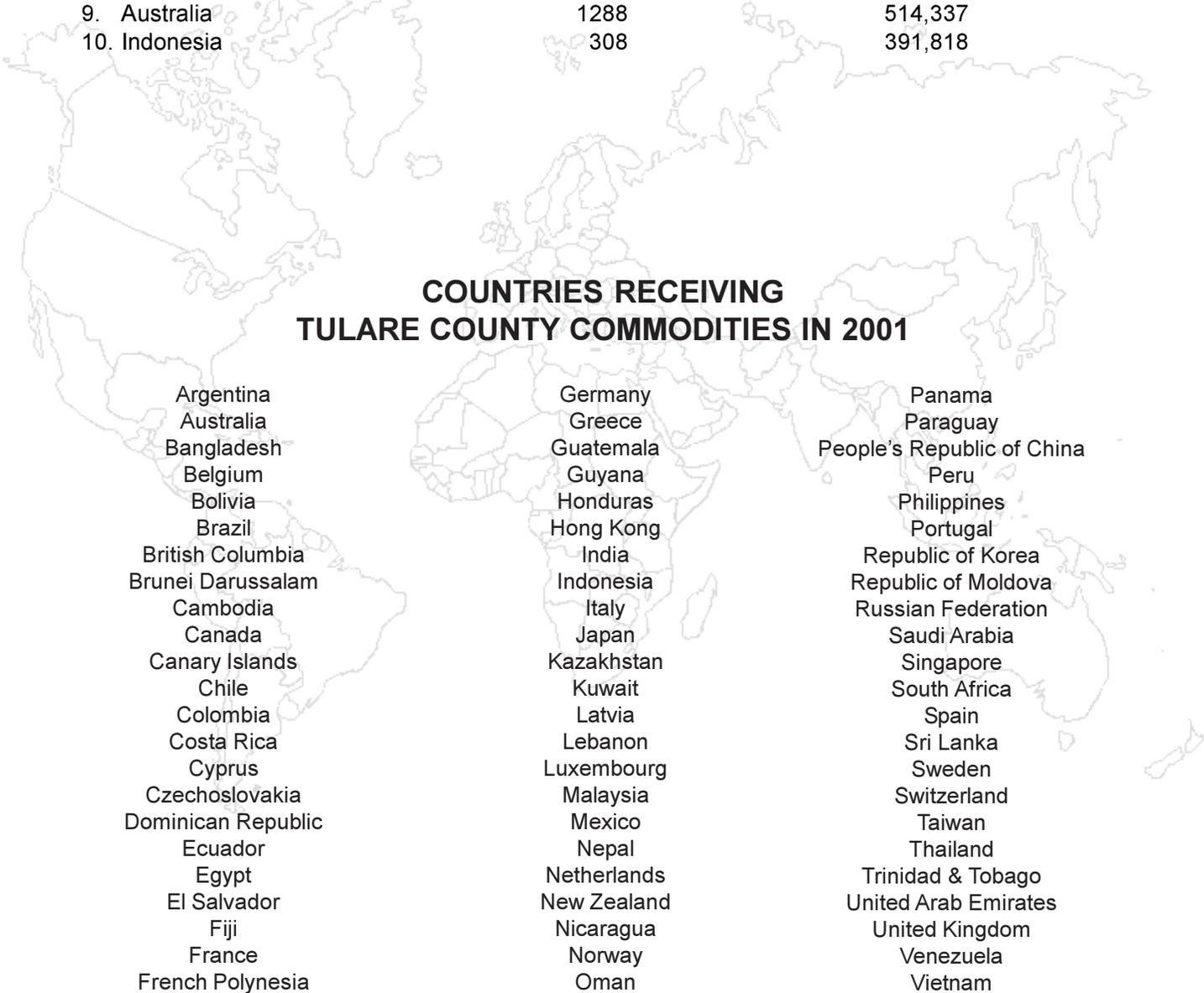
| | | | |
|-----------------------|-----|---------------------------|------|
| Almonds | 50 | Lemons | 40 |
| Apples | 40 | Nectarines | 25 |
| Apricots | 24 | Oranges | 37.5 |
| Avocados | 25 | Peaches (freestone) | 25 |
| Beans, snap | 30 | Pears, Asian Pears | 11 |
| Broccoli | 23 | Persimmons | 11 |
| Cauliflower | 25 | Pistachios | 25 |
| Cherries | 18 | Plums | 28 |
| Corn , sweet | 50 | Pomegranates | 28 |
| Figs | 8 | Prunes - fresh | 28 |
| Grapefruit | 36 | Quince | 22 |
| Grapes - juice | 36 | Squash | 25 |
| Grapes - table | 21 | Tangerines | 25 |
| Honeydew Melons | 30 | Tomatoes | 25 |
| Kiwifruit | 7.5 | | |

Tulare County 20 Year Comparison



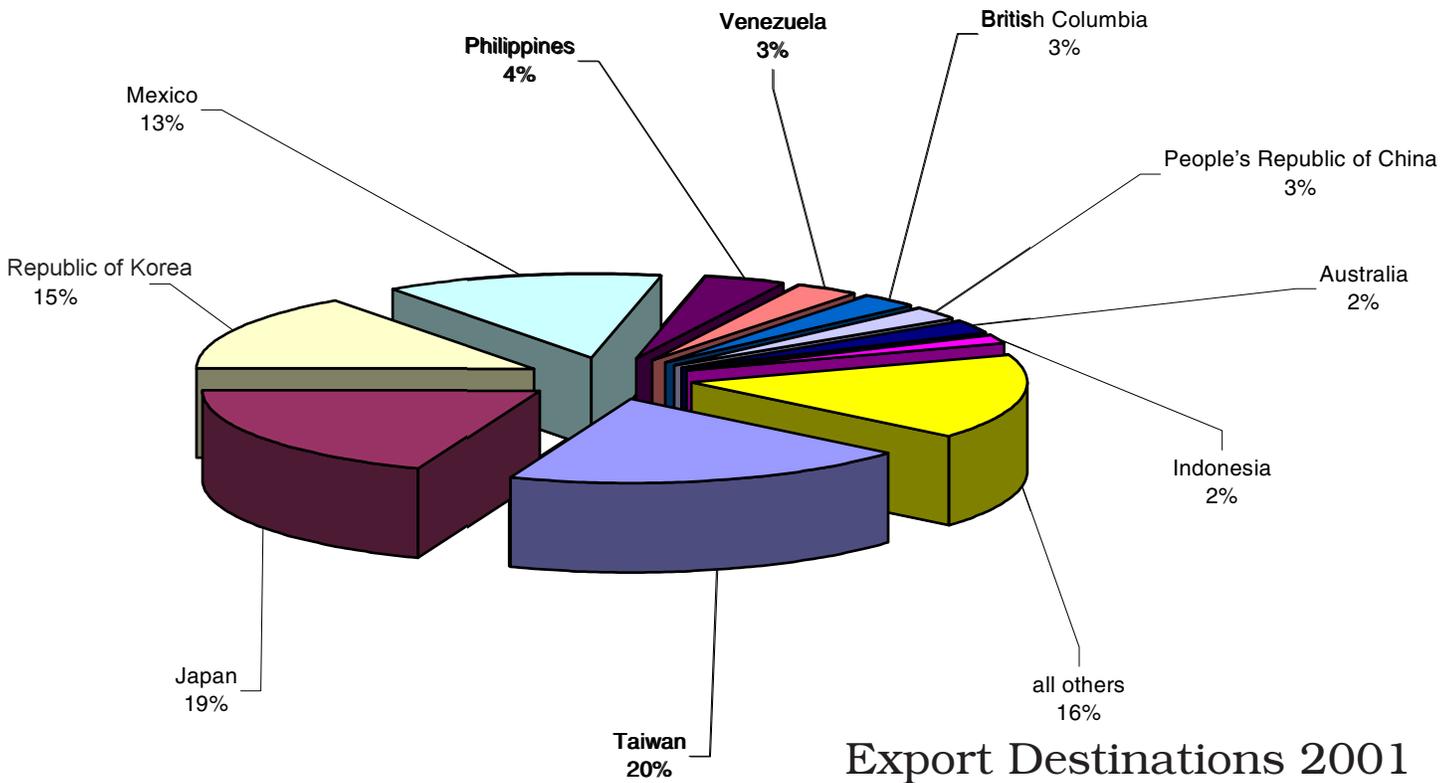
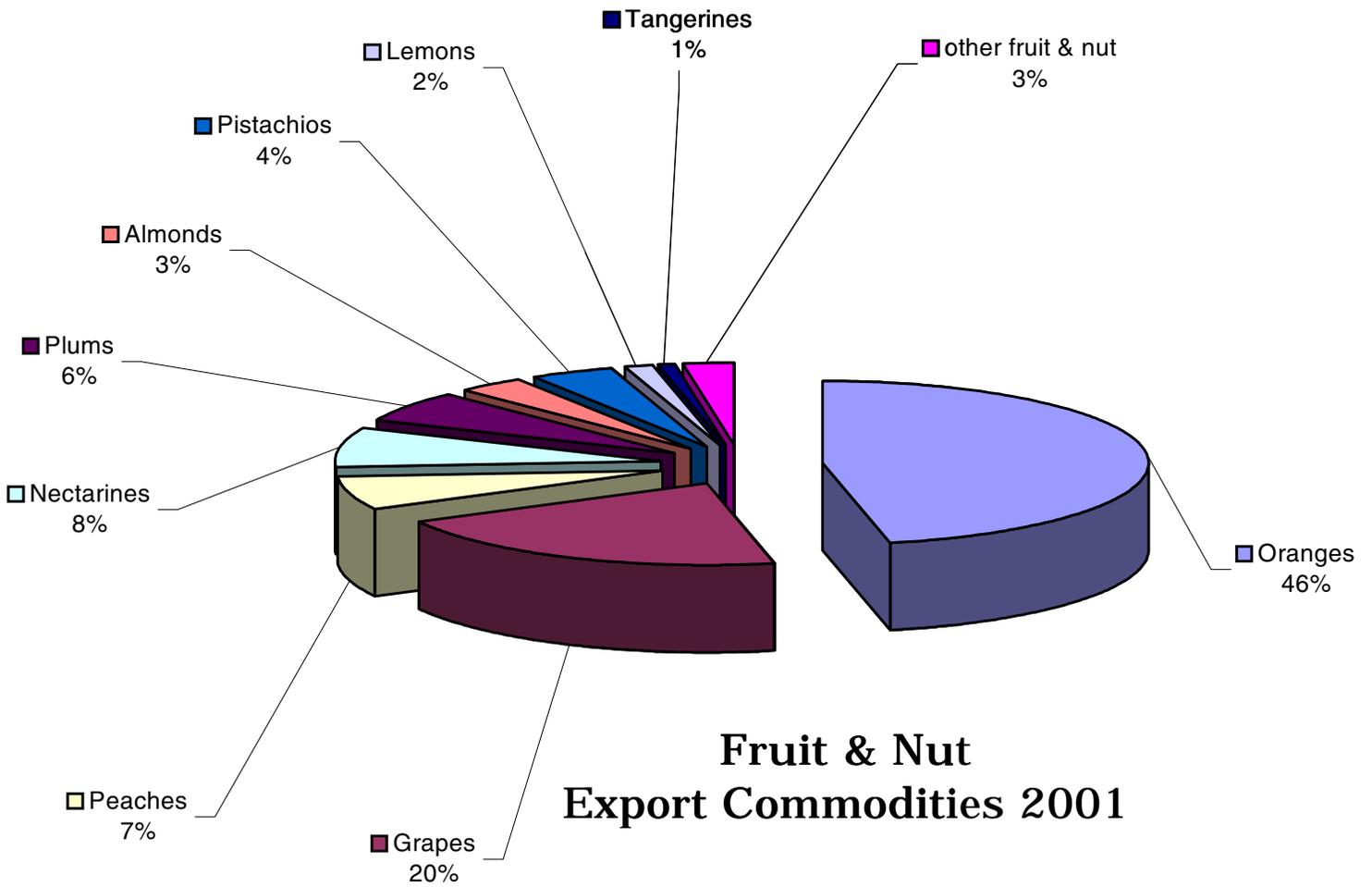
2001 PRODUCE EXPORTS TOP TEN COUNTRIES

| COUNTRY | PHYTOSANITARY CERTIFICATES ISSUED | NUMBER OF CONTAINERS CERTIFIED |
|------------------------------|---|--------------------------------------|
| 1. Taiwan | 3452 | 4,487,437 |
| 2. Japan | 4471 | 4,336,199 |
| 3. Republic of Korea | 3295 | 3,402,346 |
| 4. Mexico | 1986 | 3,013,820 |
| 5. Philippines | 590 | 835,312 |
| 6. Venezuela | 537 | 706,685 |
| 7. British Columbia | 2424 | 652,547 |
| 8. Peoples Republic of China | 395 | 572,209 |
| 9. Australia | 1288 | 514,337 |
| 10. Indonesia | 308 | 391,818 |



COUNTRIES RECEIVING TULARE COUNTY COMMODITIES IN 2001

| | | |
|--------------------|-------------|----------------------------|
| Argentina | Germany | Panama |
| Australia | Greece | Paraguay |
| Bangladesh | Guatemala | People's Republic of China |
| Belgium | Guyana | Peru |
| Bolivia | Honduras | Philippines |
| Brazil | Hong Kong | Portugal |
| British Columbia | India | Republic of Korea |
| Brunei Darussalam | Indonesia | Republic of Moldova |
| Cambodia | Italy | Russian Federation |
| Canada | Japan | Saudi Arabia |
| Canary Islands | Kazakhstan | Singapore |
| Chile | Kuwait | South Africa |
| Colombia | Latvia | Spain |
| Costa Rica | Lebanon | Sri Lanka |
| Cyprus | Luxembourg | Sweden |
| Czechoslovakia | Malaysia | Switzerland |
| Dominican Republic | Mexico | Taiwan |
| Ecuador | Nepal | Thailand |
| Egypt | Netherlands | Trinidad & Tobago |
| El Salvador | New Zealand | United Arab Emirates |
| Fiji | Nicaragua | United Kingdom |
| France | Norway | Venezuela |
| French Polynesia | Oman | Vietnam |



Tulare County Sustainable Agricultural Reporting

County Biological Control

| Pest | Agent/Mechanism | Program Scope |
|--|--|---|
| Aphids <i>Aphis</i> spp. | Asian Ladybird Beetle <i>Harmonia axyridis</i> | 3 sites |
| Ash Whitefly <i>Siphoninus phillyreae</i> | Parasitic Wasp <i>Encarsia inaron</i> Ladybird Beetle <i>Cleitostethus arcuatus</i> | Upon demand Upon demand |
| Bull Thistle <i>Cirsium vulgare</i> | Seedhead Gall Fly <i>Urophora stylata</i> | 7 sites |
| Comstock Mealybug <i>Pseudococcus comstocki</i> | Parasitic Wasps <i>Pseudoaphycus malinus</i> <i>Allotropa burrelli</i> | Upon demand |
| Cottony-Cushion Scale <i>Icerya purchasi</i> | Parasitic Fly <i>Cryptochetum iceryae</i> Vedalia Beetle <i>Rodolia cardinalis</i> | Upon demand 5 sites |
| Italian Thistle <i>Carduus pycnocephalus</i> | Seedhead Weevil <i>Rhinocylus conicus</i> | 1 site |
| Milk Thistle <i>Silybum marianum</i> | Seedhead Weevil <i>Rhinocylus conicus</i> | Upon demand |
| Mulberry Whitefly <i>Tetraleurodes mori</i> | Ladybird Beetle <i>Delphastus dejavu</i> | Upon demand |
| Puncture Vine <i>Tribulus terrestris</i> | Seed & Stem Weevils * <i>Microlarinus lareynii</i> <i>Microlarinus lypriformis</i> | Upon demand |
| Russian Thistle <i>Salsola australis</i> | Casebearer Moth <i>Coleophora klimeschiella</i> | Upon demand |
| Silverleaf Whitefly <i>Bemesia argentifolia</i> | Parasitic Wasps <i>Eretmocerus</i> spp. | 1 site |
| Yellow Star Thistle <i>Centaurea solstitialis</i> | Flowerhead Bud Weevil <i>Bangasternus orientalis</i> Flower Weevil <i>Larinus curtus</i> Hairy Weevil * <i>Eustenopus villosus</i> Peacock Fly <i>Chaetorellia succinea</i> Yellow Star Gall Fly <i>Urophora sirunaseva</i> | Upon demand 2 sites 5 sites Upon demand Upon demand |

*Also provided insect agents to other out-of-county agencies.

County Pest Detection

Target Pest

European Corn Borer
European Pine Shoot Moth
Glassy-winged Sharpshooter
Gypsy Moth
Japanese Beetle
Khapra Beetle
Mediterranean Fruit Fly
Melon Fruit Fly
Mexican/Carribbean Fruit Flies
Oriental Fruit Fly

Number of Traps

10
10
4221
146
84
54
529
91
153
89

Host Crops

Corn/Sorghum
Pines
Various Trees & Shrubs
Shade Trees
Turf/Flowers
Stored Food Products
Fruit Trees
Vegetables
Fruit Trees
Fruit Trees

Phytosanitary Trapping

Pest

Apple Maggot
Mediterranean Fruit Fly
Mediterranean Fruit Fly
Mediterranean Fruit Fly
Western Cherry Fruit Fly

Number of Traps

94
10
440
161
23

Host Crops

Apples
Cherries
Citrus
Table Grapes
Cherries

County Pest Eradication

Pest

Alligatorweed
Alternanthera philoxeroides

Pink Bollworm
Pectinophora gossypiella

Scotch Thistle
Onopordum acanthium

Agent/Mechanism

Mechanical/Chemical Control

Mechanical/Host Free Period

Mechanical/Chemical Control

Program Scope

105 plants

77, 070 acres

General distribution

Registered Organic Farming Statistics

Grower
Acres
Packers/Shippers
Certified Producers Certificates

35
2,430
7
169

**County Pest Exclusion
Pest Rejections**

Setting

Program Scope

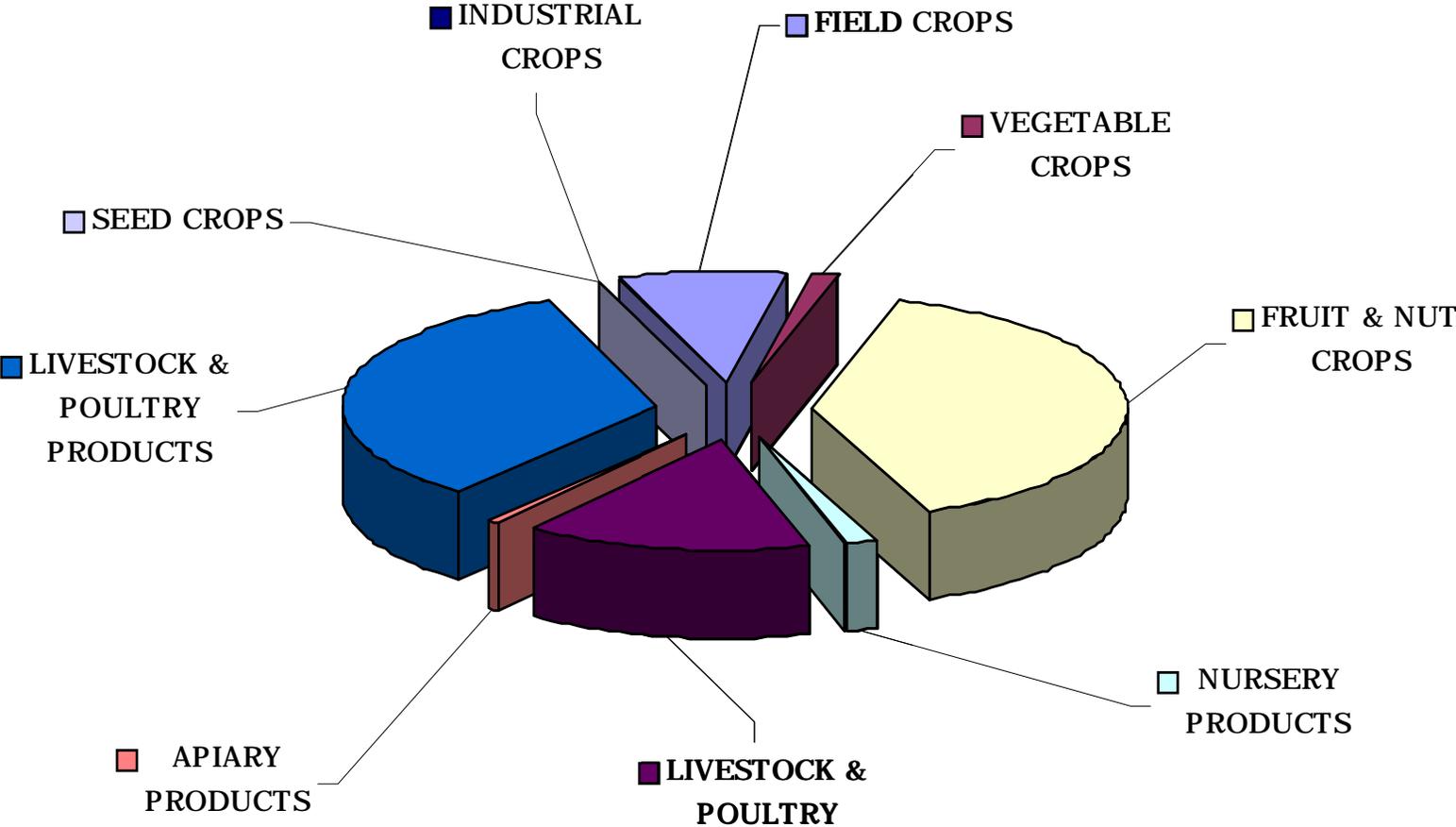
| | | |
|--|--------------------|--------------------------------------|
| B - Rated Green Shield Scale <i>Pulvinaria psidii</i> | Incoming Shipment | 1 rejection/destroyed |
| B - Rated California Red Scale <i>Aonidiella aurantii</i> | Incoming Shipment | 1 rejection/destroyed |
| B - Rated Flatid Planthopper <i>Siphontes acuta</i> | Incoming Shipment | 1 rejection/destroyed |
| B - Rated Nantucket Pine Tip Moth <i>Rhyacionia frustrana</i> | Incoming Shipment | 1 rejection/destroyed |
| Burrowing Nematode <i>Radophilus similis</i> | Incoming Shipments | 3 rejections/destroyed |
| Cherry Fruit Fly <i>Rhagoletis indiffrens</i> | Incoming Shipment | 1 rejection/destroyed |
| Citrus Canker <i>Xanthomonas campestris citri</i> | Incoming Shipment | 1 rejection/destroyed |
| Citrus Pests | Incoming Shipments | 2 rejections/destroyed |
| Citrus Tristeza Virus | Incoming Shipments | 2 rejections/destroyed |
| Colorado Potato Beetle <i>Leptinotarsa decemlineata</i> | Incoming Shipment | 1 rejection/destroyed |
| European Corn Borer <i>Ostrinia nubilalis</i> | Incoming Shipment | 1 rejection/destroyed |
| Glassy-winged Sharpshooter <i>Homalodisca coagulata</i> | Incoming Shipments | 111 rejections/returned or destroyed |
| Golden Nematode <i>Globodera rostochiensis</i> | Incoming Shipment | 1 rejection/destroyed |
| Gypsy Moth <i>Lymantria dispar</i> | Incoming Shipments | 6 rejections/destroyed |
| Japanese Beetle <i>Popilla japonica</i> | Incoming Shipments | 6 rejections/destroyed |
| Magnolia White Scale <i>Psedaulacaspis cockerellii</i> | Incoming Shipment | 1 rejection/destroyed |
| Markings | Incoming Shipments | 100 rejections/destroyed or released |
| Mediterranean Fruit Fly <i>Ceratitidis capitata</i> | Retail | 10 rejections/destroyed |

**County Pest Exclusion cont.
Pest Rejections**

| | Setting | Program Scope |
|--|--------------------|------------------------|
| Mexican Fruit Fly <i>Anastrepha ludens</i> | Incoming Shipment | 1 rejection/destroyed |
| Ozonium Root Rot <i>Phymatotrichum omnivorum</i> | Incoming Shipments | 2 rejection/destroyed |
| Pecan Pests | Incoming Shipment | 1 rejection/destroyed |
| Pecan Weevil <i>Curculio caryae</i> | Incoming Shipment | 1 rejection/destroyed |
| Plum Curculio/Apple Maggot <i>Conotrachelus nenuphar/Rhagoletis pomonella</i> | Incoming Shipments | 2 rejections/destroyed |
| Red Imported Fire Ant <i>Solenopsis invicta</i> | Incoming Shipment | 1 rejection/destroyed |
| Sweetpotato Weevil <i>Cylas formicarius elegantulum</i> | Incoming Shipment | 1 rejection/destroyed |
| Q- Rated Ants | Incoming Shipments | 3 rejections/destroyed |
| Q - Rated Caterpillars | Incoming Shipments | 2 rejections/destroyed |
| Q - Rated Leafhopper | Incoming Shipments | 2 rejections/destroyed |
| Q - Rated Planthopper | Incoming Shipment | 1 rejection/destroyed |
| Q - Rated Scales | Incoming Shipments | 2 rejections/destroyed |
| Q - Rated Thrips | Incoming Shipment | 1 rejection/destroyed |

“For this is what America is all about. It is the uncrossed desert and the unclimbed ridge. It is the star that is not reached and the harvest that’s sleeping in the unplowed ground.” *Lyndon Baines Johnson*

2001 Total Value Breakdown



2001 Crop Report Prepared By:
 Curt Steggall
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