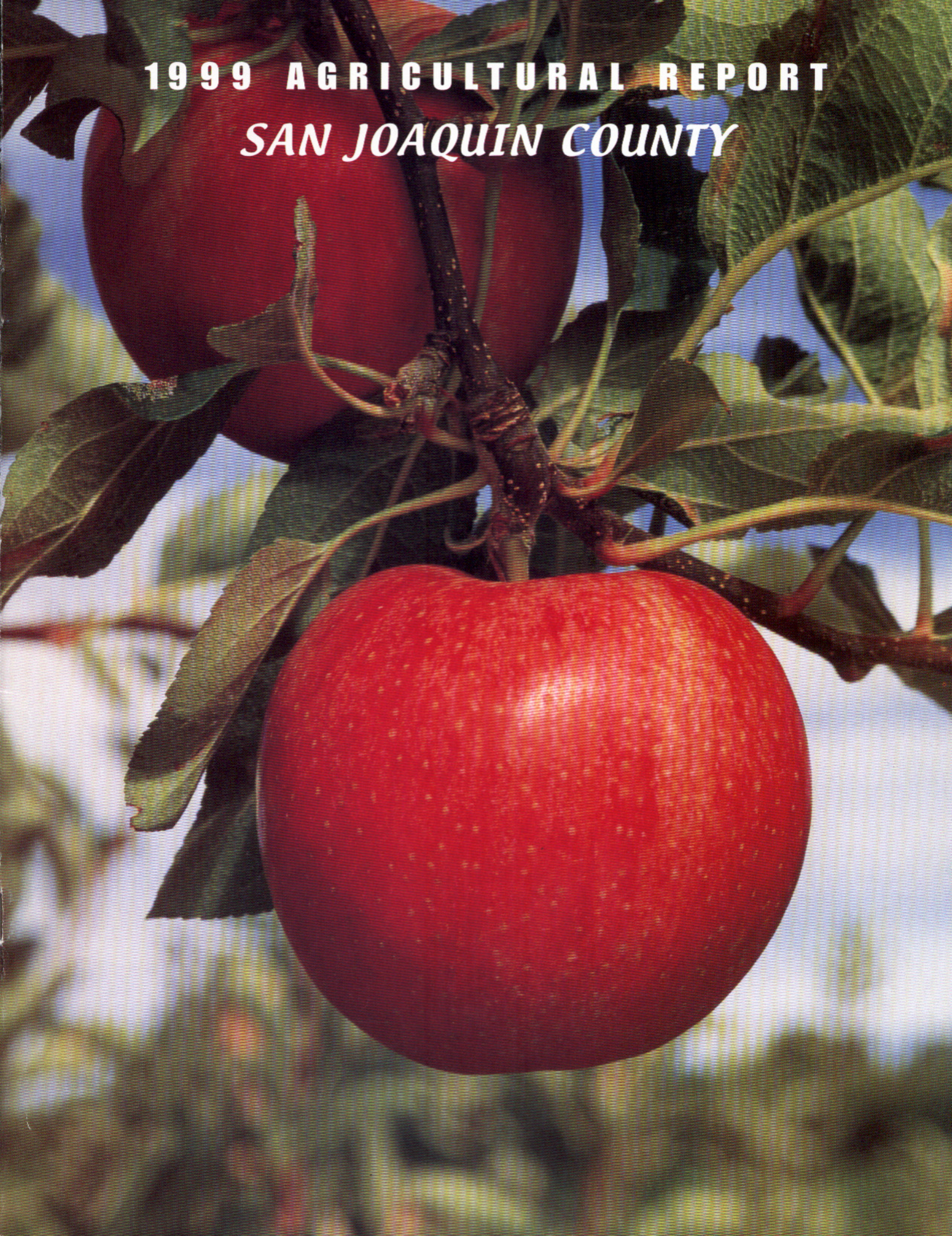


# 1999 AGRICULTURAL REPORT

## *SAN JOAQUIN COUNTY*

## SAN JOAQUIN COUNTY'S APPLE CROP

Apples are considered to be our earliest cultivated fruit and were domesticated from wild apples originating in Asia. Apples were introduced to England during the Roman invasion in the first century B.C. Their cultivation was later perpetuated by monasteries. The first apple crop in the new world was harvested from trees planted by the Pilgrims.

Apples were cultivated in California before 1800 at the Spanish missions. As pioneers forged their way across the west, they brought apple seeds or trees with them. The family orchard was often planted before ground was broken for the family home.

As California grew, so did its apple industry. In the past 18 years California has emerged as a major producer of apples. California ranks as the country's fourth largest apple producing state.

Apple production began in San Joaquin County in the early 1970s with commercial plantings of Red and Golden Delicious. It was during this time that Jim Sanguinetti was experimenting with growing other apple varieties that would thrive in San Joaquin County. Mr. Sanguinetti had 50 to 60 different varieties of apples growing on his eight acre ranch in Lodi. The Granny Smith from Australia and the Fuji from Japan were among the varieties that did very well in Mr. Sanguinetti's experimental orchard. Buck Lewis of Stockton planted the first commercial Granny Smith orchard, which marked the beginning of the rapid expansion of the County's apple industry.

The Delta breezes that cool the summer evenings help make San Joaquin County an ideal place to grow red-colored apple varieties like Fuji, Gala, and Pink Lady. It is the cool weather that gives these apples their beautiful red blush. San Joaquin County has 5,480 acres of apples in production with Fuji the main variety grown. Recently Gala and Pink Lady varieties have become popular as a result of a growing export market.

San Joaquin County apple production has ranked number one in the state for the second consecutive year after maintaining a position in the top five for over a decade. While apple production represents only three percent of the County's fruit and nut acreage, apples is the eighth leading commodity in the county with a value of $49,323,000.

In a short span of time, San Joaquin County has become a major producer and packer in the apple industry. The county packs one third of California's apple crop and is home to four of the top packers in the state. California is the number one consumer of California's apple crop. Taiwan and Canada are the leading importers. Recent plantings of Fuji apples in the Pacific Northwest and in other countries have increased competition in marketing these varieties. However, San Joaquin County is expected to remain as one of California's top apple producers for some time to come.

**A SPECIAL "THANK YOU"**

The San Joaquin County Agricultural Commissioner's Office expresses its deep appreciation to the San Joaquin Farm Bureau Federation and Ag Credit of California for their contributions to 1999 crop Report. We would also like to thank The California Apple Commission, Joe Grant of San Joaquin County Cooperative Extention, Henry Sanguinetti, and Primavera Marketing Inc.( cover photo) for their contributions. Without their support the publication of this report would not have been possible.

**SAN JOAQUIN COUNTY**
**AGRICULTURAL COMMISSIONER'S OFFICE**

# 1999 ANNUAL CROP REPORT


Scott Hudson
Agricultural Commissioner

Compiled by
Diane Curry


Board Of Supervisors

| | |
|---|---|
| **Steven Gutierrez** | **District 1** |
| **Dario L. Marenco** | **District 2** |
| **Edward A. Simas, Chairman** | **District 3** |
| **Jack A. Sieglock** | **District 4** |
| **Robert J. Cabral** | **District 5** |

**David L. Baker**
**County Administrator**

## AGRICULTURAL COMMISSIONER
**SCOTT HUDSON**

## ASSISTANT AGRICULTURAL COMMISSIONER
**VICKI HELMAR**

| | |
|---|---|
| **Martin Brockman** | **Deputy Agricultural Commissioner** |
| **Peggy Byerly** | **Deputy Agricultural Commissioner** |
| **Tom Reed** | **Deputy Agricultural Commissioner** |
| **Gary Stockel** | **Deputy Agricultural Commissioner** |

| | |
|---|---|
| **Jim Allan** | **Senior Agricultural Biologist, Tracy** |
| **Larry Allen** | **Entomologist/Biologist** |
| **Scott Barnes** | **Agricultural Biologist II, Simms Station** |
| **Michael Croce** | **Senior Agricultural Biologist, Lodi** |
| **Diane Curry** | **Agricultural Biologist I** |
| **Ann Curtoni** | **Agricultural Biologist I** |
| **Steve Dinardi** | **Agricultural Biologist I** |
| **Leonard Groner** | **Senior Agricultural Biologist, Lodi** |
| **Barbara Hueckstead** | **Senior Agricultural Biologist** |
| **August Lansigan** | **Senior Agricultural Biologist** |
| **Douglas Mattes** | **Senior Agricultural Biologist** |
| **Jeff Pawlowski** | **Agricultural Biologist I** |
| **Robert Pelletier** | **Agricultural Biologist I, Simms Station** |
| **Don Rademacher** | **Agricultural Biologist I** |
| **Ted Viss** | **Agricultural Biologist I** |
| **Thomas Watkins** | **Senior Agricultural Biologist, Simms Station** |
| **Sue Williamson** | **Senior Agricultural Biologist** |
| **Randall Willson** | **Senior Agricultural Biologist, Lodi** |

| | |
|---|---|
| **Tom Compo** | **Senior Office Systems Analyst** |
| **Linda Dominguez** | **Data Entry Operator** |
| **Jeffrey Perry** | **Computer Systems Consultant** |

| | |
|---|---|
| **Jo Aring-Tengonciang** | **Office Assistant II, Lodi** |
| **Angie Breeden** | **Office Manager I** |
| **Jennifer Cole** | **Office Assistant II** |
| **Donna Dugo** | **Office Assistant II, Simms Station** |
| **Hazel Gallego** | **Office Assistant II** |
| **Judy Gaut** | **Office Assistant III** |
| **Terry King** | **Accounting Technician II** |
| **Gina Page** | **Office Assistant II, Tracy** |
| **Tammy Perez** | **Office Assistant II** |
| **Laura Rocha** | **Office Assistant II, Simms Station** |

**All staff are based in Stockton unless otherwise noted.**

**SAN JOAQUIN COUNTY**
OFFICE OF THE
**AGRICULTURAL COMMISSIONER**

POST OFFICE BOX 1809
STOCKTON, CALIFORNIA 95201-1809
PHONE: 209/468-3300
FAX: 209/468-3330

MAIN OFFICE - STOCKTON
1868 E. HAZELTON AVE.

LODI OFFICE
210 N. SACRAMENTO ST.

TRACY OFFICE
503 E. 10TH STREET

SIMMS STATION - RIPON
17620 E. HWY 120

**SCOTT HUDSON**
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS & MEASURES
ANIMAL CONTROL

**VICKI HELMAR**
ASST. AGRICULTURAL COMMISSIONER
ASST. SEALER OF WEIGHTS & MEASURES

WILLIAM J. LYONS JR., SECRETARY
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE
AND
THE HONORABLE BOARD OF SUPERVISORS
SAN JOAQUIN COUNTY

Dear Secretary and Board Members:

In accordance with Section 2279 of the California Food and Agriculture Code, I am pleased to present the sixty-sixth Annual Report of Agricultural Production in San Joaquin County. The values shown are estimates based on the most common method of sale for the individual commodity, except for fresh fruits and vegetables where the value is based on the F.O.B. packed price at the shipping point. The figures contained in this report are gross values rather than net returns to the grower.

The gross value of agricultural production for 1999 in San Joaquin County is estimated to be $1,352,672,000. This represents a 3% increase from the estimated $1,310,817,000 for 1998. Prices of most commodities were down from their 1998 prices. However, increases in production resulted in a slight overall increase in agricultural value. Highlights of the 1999 crop year are as follows:

- Grapes continue as the county's number one commodity since 1995, with a value of $291,197,000.
- Cherries are back in the "top ten crops" as a result of a record-setting 1999 season with the production of 4,007,404 cartons.
- Milk prices were down from 1998 but continue to be higher than the state average for this decade.
- Apples, Walnuts and Peaches all experienced higher yields.
- Both Tomatoes and Potatoes increased in acreage and yield.
- Sugarbeet acreage increased because of new disease resistant seed and declining markets for other field crops.
- Seed Crops increased in value due to higher yields.

I wish to express my sincere appreciation to all who assisted my biologists and deputies by furnishing the necessary information that made this report possible.

Respectfully submitted,

Scott Hudson

# FIELD CROPS

| CROP | YEAR | PRODUCTION HARVESTED ACREAGE | PRODUCTION PER ACRE | PRODUCTION TOTAL | UNIT | PER UNIT | GROSS VALUE SUBTOTAL | GROSS VALUE TOTAL |
|---|---|---|---|---|---|---|---|---|
| BEANS, DRY, ALL* | 1999 | 19,600 | 1.15 | 22,600 | TON | $565.00 | | $12,765,000 |
| | 1998 | 22,300 | 0.80 | 17,900 | TON | $672.00 | | $12,032,000 |
| BLACKEYE | 1999 | 7,300 | 0.93 | 6,800 | TON | $490.00 | 3,336,000 | |
| | 1998 | 1,500 | 0.75 | 1,100 | TON | $700.00 | 788,000 | |
| KIDNEY | 1999 | 5,300 | 1.16 | 6,200 | TON | $640.00 | 3,967,000 | |
| | 1998 | 8,300 | 0.75 | 6,200 | TON | $611.00 | 3,803,000 | |
| LIMA | 1999 | 7,000 | 1.37 | 9,600 | TON | $567.00 | 5,462,000 | |
| | 1998 | 12,000 | 0.84 | 10,100 | TON | $715.00 | 7,206,000 | |
| CORN, GRAIN | 1999 | 54,500 | 4.95 | 269,900 | TON | $83.00 | | $22,403,000 |
| | 1998 | 63,900 | 4.71 | 300,900 | TON | $102.00 | | $30,632,000 |
| HAY, ALL | 1999 | 83,500 | 5.72 | 477,600 | TON | $97.00 | | $46,091,000 |
| | 1998 | 82,800 | 5.27 | 436,100 | TON | $115.00 | | $50,262,000 |
| ALFALFA | 1999 | 64,200 | 6.32 | 405,600 | TON | $102.00 | 41,372,000 | |
| | 1998 | 63,800 | 6.10 | 388,900 | TON | $120.00 | 46,672,000 | |
| OTHER | 1999 | 19,300 | 3.72 | 72,000 | TON | $66.00 | 4,719,000 | |
| | 1998 | 19,000 | 2.48 | 47,200 | TON | $76.00 | 3,590,000 | |
| PASTURE & RANGE | 1999 | 154,000 | | | ACRE | $31.00 | | $4,840,000 |
| | 1998 | 157,000 | | | ACRE | $30.00 | | $4,590,000 |
| IRRIGATED | 1999 | 23,000 | | | ACRE | $125.00 | 2,870,000 | |
| | 1998 | 23,900 | | | ACRE | $125.00 | 2,988,000 | |
| OTHER | 1999 | 131,300 | | | ACRE | $15.00 | 1,970,000 | |
| | 1998 | 133,500 | | | ACRE | $12.00 | 1,602,000 | |
| RICE | 1999 | 5,530 | 3.21 | 17,800 | TON | $176.00 | | $3,126,000 |
| | 1998 | 4,830 | 3.60 | 17,400 | TON | $210.00 | | $3,654,000 |
| SAFFLOWER | 1999 | 14,600 | 1.60 | 23,400 | TON | $289.00 | | $6,766,000 |
| | 1998 | 14,300 | 1.38 | 19,700 | TON | $305.00 | | $6,001,000 |
| SILAGE, CORN | 1999 | 32,900 | 28.15 | 925,500 | TON | $18.00 | | $16,206,000 |
| | 1998 | 31,300 | 28.17 | 880,400 | TON | $20.00 | | $17,441,000 |
| SILAGE, OTHER INCLUDES GREEN CHOP | 1999 | 23,700 | 13.36 | 317,000 | TON | $18.00 | | $5,579,000 |
| | 1998 | 25,300 | 14.01 | 354,800 | TON | $20.00 | | $7,016,000 |

* INCLUDES OTHER BEANS

# FIELD CROPS

| CROP | YEAR | PRODUCTION HARVESTED ACREAGE | PER ACRE | TOTAL | UNIT | PER UNIT | GROSS VALUE TOTAL |
|---|---|---|---|---|---|---|---|
| SUGAR BEETS | 1999 | 11,200 | 30.01 | 334,700 | TON | $39.00 | $13,155,000 |
| | 1998 | 7,600 | 23.46 | 177,200 | TON | $39.00 | $6,992,000 |
| SUNFLOWERS | 1999 | 1,160 | 1.00 | 1,200 | TON | $360.00 | $416,000 |
| | 1998 | 1,200 | 1.00 | 1,200 | TON | $400.00 | $480,000 |
| WHEAT | 1999 | 33,500 | 3.13 | 104,700 | TON | $85.00 | $8,925,000 |
| | 1998 | 40,600 | 2.30 | 93,300 | TON | $108.00 | $10,072,000 |
| OTHER* | 1999 | N/A | | | | | |
| | 1998 | 1,861 | | | | | $516,000 |
| TOTAL | 1999 | 434,000 | | | | | $140,272,000 |
| | 1998 | 453,000 | | | | | $149,688,000 [a] |

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

*INCLUDES BARLEY AND OATS FOR GRAIN

# SEED CROPS

| CROP | YEAR | PRODUCTION HARVESTED ACREAGE | PER ACRE | TOTAL | UNIT | GROSS VALUE PER UNIT | TOTAL |
|---|---|---|---|---|---|---|---|
| *BEAN SEED | | | | | | | |
| KIDNEY BEAN | 1999 | 2,020 | 22.00 | 44,000 | CWT | $39.00 | $1,730,000 |
| | 1998 | 1,510 | 14.20 | 21,000 | CWT | $36.16 | $773,000 |
| BEANS,OTHER | 1999 | N/A | | | | | |
| | 1998 | 75 | 14.00 | 1,020 | CWT | $36.30 | $37,000 |
| POTATOES, SEED | 1999 | 1,017 | 374.00 | 379,875 | CWT | $14.40 | $5,487,000 |
| | 1998 | 1,668 | 300.00 | 500,250 | CWT | $11.00 | $5,503,000 |
| VEGETABLE SEED | 1999 | 690 | | | | | $4,041,000 |
| | 1998 | 620 | | | | | $2,995,000 |
| *MISCELLANEOUS, SEED | 1999 | 1,120 | | | | | $410,000 |
| CLOVER, SUDAN, GRAIN & ETC. | 1998 | 880 | | | | | $276,000 |
| TOTAL | 1999 | 4,850 | | | | | $11,668,000 |
| | 1998 | 4,750 | | | | | $9,584,000 [a] |

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

*INCLUDES CERTIFIED SEED

a/ REVISED

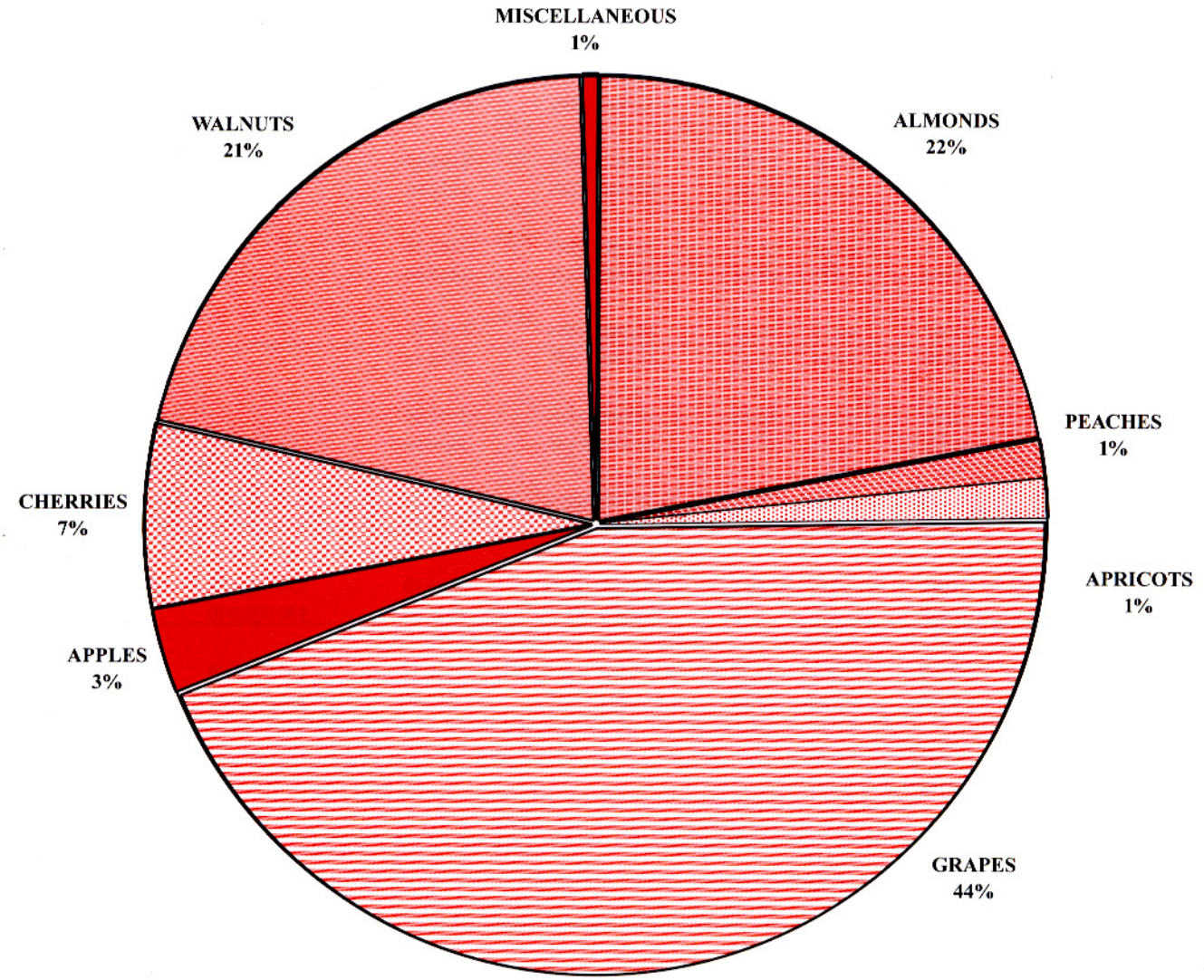
# FRUIT AND NUT CROPS

| CROP | YEAR | PRODUCTION HARVESTED ACREAGE | PRODUCTION PER ACRE | PRODUCTION TOTAL | UNIT | PER UNIT | GROSS VALUE SUBTOTAL | GROSS VALUE TOTAL |
|---|---|---|---|---|---|---|---|---|
| ALMOND, MEATS | 1999 | 41,200 | 1.05 | 43,200 | TON | $1,614.00 | | $69,801,000 |
| | 1998 | 38,500 | 0.58 | 22,200 | TON | $2,700.00 | | $79,778,000 |
| ALMOND, HULLS | 1999 | | | 108,000 | TON | $65.00 | | $4,778,000 |
| | 1998 | | | 55,500 | TON | $75.00 | | $5,513,000 |
| APPLES | 1999 | 5,480 | 14.90 | 81,500 | TON | $605.00 | | $49,323,000 |
| | 1998 | 4,980 | 12.60 | 62,500 | TON | $568.00 | | $35,509,000 |
| APRICOTS | 1999 | 2,220 | 9.00 | 20,000 | TON | $300.00 | | $5,986,000 |
| | 1998 | 3,180 | 9.01 | 28,700 | TON | $246.00 | | $7,060,000 |
| CHERRIES, ALL | 1999 | 12,600 | 3.47 | 43,700 | TON | $1,640.00 | | $71,861,000 |
| | 1998 | 12,500 | 0.72 | 9,000 | TON | $2,770.00 | | $24,943,000 |
| FRESH | 1999 | | | 36,076 | TON | $1,889.49 | $68,165,000 | |
| | 1998 | | | 6,136 | TON | $3,777.00 | $23,176,000 | |
| PROCESSING | 1999 | | | 7,575 | TON | $487.90 | $3,696,000 | |
| | 1998 | | | 2,839 | TON | $622.34 | $1,767,000 | |
| GRAPES, ALL | 1999 | 83,000 | 6.69 | 555,000 | TON | $525.00 | | $291,197,000 |
| | 1998 | 76,800 | 6.71 | 515,000 | TON | $532.00 | | $273,855,000 |
| TABLE, CRUSHED | 1999 | 2,862 | 4.58 | 13,100 | TON | $180.00 | $2,368,000 | |
| | 1998 | 3,240 | 5.80 | 18,800 | TON | $184.00 | $3,462,000 | |
| WINE, ALL | 1999 | 80,100 | 6.77 | 542,000 | TON | $532.89 | $288,829,000 | |
| | 1998 | 73,600 | 6.74 | 496,000 | TON | $545.15 | $270,393,000 | |
| FRESH | 1999 | | | 6,330 | TON | $625.00 | $3,957,000 | |
| | 1998 | | | 4,280 | TON | $644.00 | $2,756,000 | |
| CRUSHED | 1999 | | | 535,700 | TON | $532.00 | $284,872,000 | |
| | 1998 | | | 491,600 | TON | $544.00 | $267,637,000 | |
| PEACHES, ALL | 1999 | 2,720 | 19.12 | 52,000 | TON | $253.00 | | $13,167,000 |
| | 1998 | 2,190 | 18.63 | 40,800 | TON | $248.00 | | $10,107,000 |
| CLINGSTONE | 1999 | 2,240 | 19.90 | 44,600 | TON | $238.00 | $10,615,000 | |
| | 1998 | 1,650 | 19.00 | 31,400 | TON | $225.00 | $7,065,000 | |
| FREESTONE | 1999 | 477 | 15.60 | 7,440 | TON | $343.00 | $2,552,000 | |
| | 1998 | 535 | 17.50 | 9,360 | TON | $325.00 | $3,042,000 | |
| PEARS | 1999 | 717 | 16.10 | 11,540 | TON | $235.00 | | $2,712,000 |
| | 1998 | 725 | 19.00 | 13,780 | TON | $250.00 | | $3,445,000 |
| WALNUTS, ENGLISH | 1999 | 39,100 | 1.60 | 62,630 | TON | $983.00 | | $61,572,000 |
| | 1998 | 39,300 | 1.17 | 44,110 | TON | $1,257.00 | | $55,448,000 |

# FRUIT AND NUT CROPS

| CROP | YEAR | PRODUCTION HARVESTED ACREAGE | GROSS VALUE TOTAL |
|---|---|---|---|
| MISCELLANEOUS | 1999 | 991 | $6,433,000 |
| | 1998 | 1,139 | $4,391,000 |
| TOTAL | 1999 | 188,000 | $576,830,000 |
| | 1998 | 179,000 | $500,049,000 |

## SAN JOAQUIN COUNTY'S FRUIT AND NUT ACREAGE




* INCLUDES PEARS

# VEGETABLE CROPS

| CROP | YEAR | PRODUCTION HARVESTED ACREAGE | PRODUCTION PER ACRE | PRODUCTION TOTAL | PRODUCTION UNIT | PER UNIT | GROSS VALUE SUBTOTAL | GROSS VALUE TOTAL |
|---|---|---|---|---|---|---|---|---|
| ASPARAGUS | 1999 | 23,100 | 1.47 | 33,800 | TON | $1,756.00 | | $59,423,000 |
| | 1998 | 23,500 | 1.45 | 34,100 | TON | $1,842.00 | | $62,789,000 |
| CORN, SWEET | 1999 | 2,220 | 6.02 | 13,400 | TON | $161.00 | | $2,157,000 |
| | 1998 | 2,860 | 11.22 | 32,100 | TON | $163.00 | | $5,245,000 |
| CUCUMBERS | 1999 | 3,030 | 7.00 | 21,200 | TON | $240.00 | | $5,082,000 |
| | 1998 | 4,210 | 7.50 | 31,600 | TON | $180.00 | | $5,686,000 |
| MELONS, ALL | 1999 | 2,920 | 13.40 | 39,000 | TON | $137.00 | | $5,357,000 |
| | 1998 | 2,860 | 19.20 | 54,800 | TON | $141.00 | | $7,718,000 |
| WATERMELON | 1999 | 1,560 | 17.10 | 26,600 | TON | $128.00 | $3,397,000 | |
| | 1998 | 2,200 | 21.00 | 46,100 | TON | $130.00 | $5,992,000 | |
| OTHER | 1999 | 1,356 | 9.11 | 12,400 | TON | $159.00 | $1,960,000 | |
| | 1998 | 657 | 13.31 | 8,700 | TON | $197.00 | $1,726,000 | |
| ONIONS, DRY | 1999 | 2,750 | 27.00 | 74,000 | TON | $194.00 | | $14,333,000 |
| | 1998 | 3,410 | 26.00 | 88,400 | TON | $234.00 | | $20,654,000 |
| PEPPERS | 1999 | 2,140 | 11.17 | 23,900 | TON | $317.00 | | $7,570,000 |
| | 1998 | 3,220 | 11.14 | 35,900 | TON | $342.00 | | $12,258,000 |
| POTATOES | 1999 | 4,410 | 16.40 | 72,300 | TON | $220.00 | | $15,947,000 |
| | 1998 | 3,070 | 16.28 | 49,900 | TON | $208.00 | | $10,382,000 |
| PUMPKINS | 1999 | 3,150 | 12.93 | 40,800 | TON | $143.00 | | $5,822,000 |
| | 1998 | 3,720 | 16.00 | 59,600 | TON | $130.00 | | $7,744,000 |
| TOMATOES, ALL | 1999 | 42,910 | 28.94 | 1,241,800 | TON | $80.00 | | $103,725,000 |
| | 1998 | 38,230 | 24.76 | 946,400 | TON | $100.00 | | $97,469,000 |
| SHIPPING | 1999 | 11,710 | 8.85 | 103,600 | TON | $364.00 | $37,711,000 | |
| | 1998 | 11,130 | 8.55 | 95,200 | TON | $535.00 | $50,950,000 | |
| PROCESSING | 1999 | 31,200 | 36.48 | 1,138,200 | TON | $58.00 | $66,014,000 | |
| | 1998 | 27,100 | 31.41 | 851,200 | TON | $55.00 | $46,519,000 | |
| MISCELLANEOUS VEGETABLES | 1999 | 5,450 | | | | | | $10,976,000 |
| | 1998 | 5,130 | | | | | | $10,174,000 |
| TOTAL | 1999 | 92,100 | | | | | | $230,392,000 |
| | 1998 | 90,200 | | | | | | $240,119,000 |

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

# NURSERY PRODUCTS

| ITEM | YEAR | QUANTITY SOLD BY PRODUCERS | UNIT | GROSS VALUE TOTAL |
|---|---|---|---|---|
| GRAPEVINES, STRAWBERRY PLANTS, | 1999 | 36,985,000 | PLANT | $2,636,000 |
| FRUIT & NUT TREES | 1998 | 75,454,000 | PLANT | $3,912,000 |
| VEGETABLE PLANTS | 1999 | 122,651,000 | PLANT | $4,830,000 |
| | 1998 | 141,543,000 | PLANT | $5,103,000 |
| FLOWERING POTTED PLANTS | 1999 | 2,516,000 | EACH | $8,649,000 |
| | 1998 | 2,196,000 | EACH | $7,609,000 |
| FOLIAGE PLANTS | 1999 | 10,042,000 | EACH | $16,699,000 |
| | 1998 | 8,369,000 | EACH | $11,777,000 |
| BEDDING PLANTS | 1999 | 586,000 | PKG | $3,154,000 |
| | 1998 | 1,553,000 | PKG | $8,554,000 |
| WOODY ORNAMENTALS | 1999 | 3,637,000 | EACH | $23,271,000 |
| | 1998 | 5,181,000 | EACH | $23,690,000 |
| CHRISTMAS TREES | 1999 | 1,960 | EACH | $47,000 |
| | 1998 | 2,000 | EACH | $56,000 |
| BULBS, RHIZOMES, TURF, | 1999 | | | $22,651,000 |
| CACTUS, ETC. | 1998 | | | $13,414,000 |
| TOTAL | 1999 | | | $81,937,000 |
| | 1998 | | | $74,115,000 |

# APIARY PRODUCTS

| ITEM | YEAR | PRODUCTION | UNIT | PER UNIT | GROSS VALUE TOTAL |
|---|---|---|---|---|---|
| HONEY | 1999 | 248,000 | LBS | $0.65 | $161,000 |
| | 1998 | 195,000 | LBS | $0.55 | $107,000 |
| BEESWAX | 1999 | 3,150 | | $1.35 | $4,300 |
| | 1998 | 6,600 | | $1.35 | $8,900 |
| POLLINATION | 1999 | 166,500 | HIVE | $37.20 | $6,189,000 |
| | 1998 | 159,300 | HIVE | $31.00 | $4,933,000 |
| TOTAL | 1999 | | | | $6,354,000 |
| | 1998 | | | | $5,049,000 |

NUMBERS MAY NOT COMPUTE EXACTLY DUE TO ROUNDING

# LIVESTOCK AND POULTRY

| ITEM | YEAR | NO.HEAD | WEIGHT | UNIT | PER UNIT | TOTAL |
|---|---|---|---|---|---|---|
| CATTLE & CALVES | 1999 | 69,000 | 505,500 | CWT | $51.30 | $25,946,000 |
| | 1998 | 101,600 | 725,000 | CWT | $39.50 | $28,654,000 |
| SHEEP & LAMBS | 1999 | 18,400 | 22,100 | CWT | $76.40 | $1,688,000 |
| | 1998 | 21,300 | 21,300 | CWT | $61.10 | $1,302,000 |
| BROILERS, FRYERS, | 1999 | 2,580,000 | 7,185,000 | LBS | $0.75 | $5,370,000 |
| DUCKS & RABBITS | 1998 | 1,650,000 | 6,320,000 | LBS | $0.69 | $4,375,000 |
| OTHER CHICKENS | 1999 | 1,976,000 | | EACH | $0.03 | $67,000 |
| & SPENT HENS | 1998 | 2,576,000 | | EACH | $0.04 | $104,000 |
| TURKEYS | 1999 | 250,000 | 3,813,000 | LBS | $0.41 | $1,563,000 |
| | 1998 | 279,000 | 4,255,000 | LBS | $0.55 | $2,321,000 |
| OTHER LIVESTOCK | 1999 | | | | | $805,000 |
| | 1998 | | | | | $743,000 |
| TOTAL | 1999 | | | | | $35,439,000 |
| | 1998 | | | | | $37,499,000 |

# LIVESTOCK AND POULTRY PRODUCTS

| ITEM | YEAR | PRODUCTION | UNIT | PER UNIT | GROSS VALUE SUBTOTAL | TOTAL |
|---|---|---|---|---|---|---|
| MILK, ALL | 1999 | 18,972,000 | CWT | $13.60 | | $257,451,000 |
| | 1998 | 18,176,000 | CWT | $15.00 | | $273,427,000 |
| MARKET | 1999 | 18,731,000 | CWT | $13.60 | $254,362,000 | |
| | 1998 | 17,960,000 | CWT | $15.10 | $270,489,000 | |
| MANUFACTURING | 1999 | 241,000 | CWT | $12.80 | $3,089,000 | |
| | 1998 | 216,000 | CWT | $13.60 | $2,938,000 | |
| WOOL | 1999 | 98,000 | LBS | $0.28 | | $27,000 |
| | 1998 | 176,000 | LBS | $0.40 | | $70,000 |
| EGGS, CHICKEN | 1999 | 25,244,000 | DOZ | $0.44 | | $11,037,000 |
| | 1998 | 35,165,000 | DOZ | $0.57 | | $20,181,000 |
| MANURE | 1999 | 316,000 | TON | $4.00 | | $1,265,000 |
| | 1998 | 260,000 | TON | $5.03 | | $1,307,000 |
| TOTAL | 1999 | | | | | $269,780,000 |
| | 1998 | | | | | $294,985,000 |

# Say it with an . . . APPLE

**No other fruit or vegetable in the American culture is used more as a symbol or metaphor than the apple. Over the years the apple has come to represent or describe a variety of feelings, characteristics and qualities: most of them good, some of them bad. Here are some of those characteristics, and the ways we commonly say it with an APPLE!**

| | |
|---|---|
| **PATRIOTISM:** | ***American as apple pie.***<br>***Johnny Appleseed: An American Folk Hero***<br>***"Baseball, hot dogs, apple pie, and Chevrolet®"*** |
| **ADMIRATION/AFFECTION:** | ***She's the apple of my eye.*** |
| **EVIL:** | ***"The forbidden fruit"***<br>***One bad apple will spoil the whole barrel.***<br>***Rotten to the core***<br>***The poisoned apple given to Snow White.*** |
| **ACCEPTED THINKING/BEHAVIOR:** | ***Don't mix apples and oranges.***<br>***Don't upset the apple cart.*** |
| **HEALTH:** | ***An apple a day keeps the doctor away.***<br>***Apple: Nature's toothbrush*** |
| **EDUCATION/INTELLIGENCE:** | ***An apple for the teacher.***<br>***Apple Computers*** |
| **METROPOLITAN:** | ***New York City: The Big Apple!*** |

## Did You Know?

**California is the fourth largest apple-producing state in the nation. Only Washington, New York, and Michigan produce more apples.**

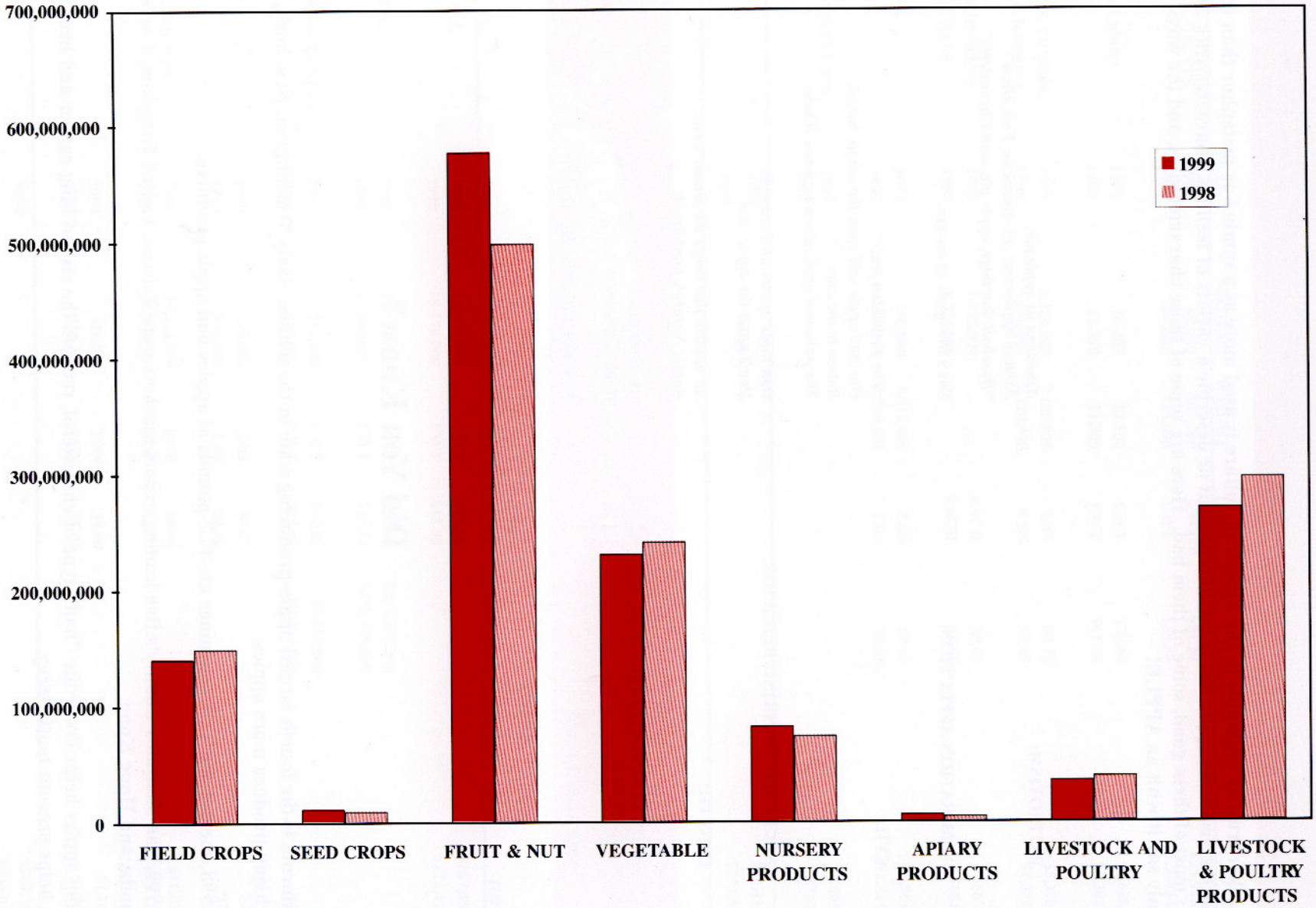
**In 1998, the average U.S. consumer ate 47.2 pounds of apples and apple products.**

**In 1999, San Joaquins County's five leading export markets were Taiwan, United Kingdom, Costa Rica, Canada, and Hong Kong.**

**Eating apples helps lower the "bad" type of cholesterol, reduces the risk of lung cancer and heart disease, and helps prevent tooth decay.**

**Thirty-seven percent of the apples produced were processed into apple products: dried apples, canned apples, frozen apples, juice and cider, baby food, apple butter, jelly, and vinegar.**

# CROP CATAGORY GROSS VALUES

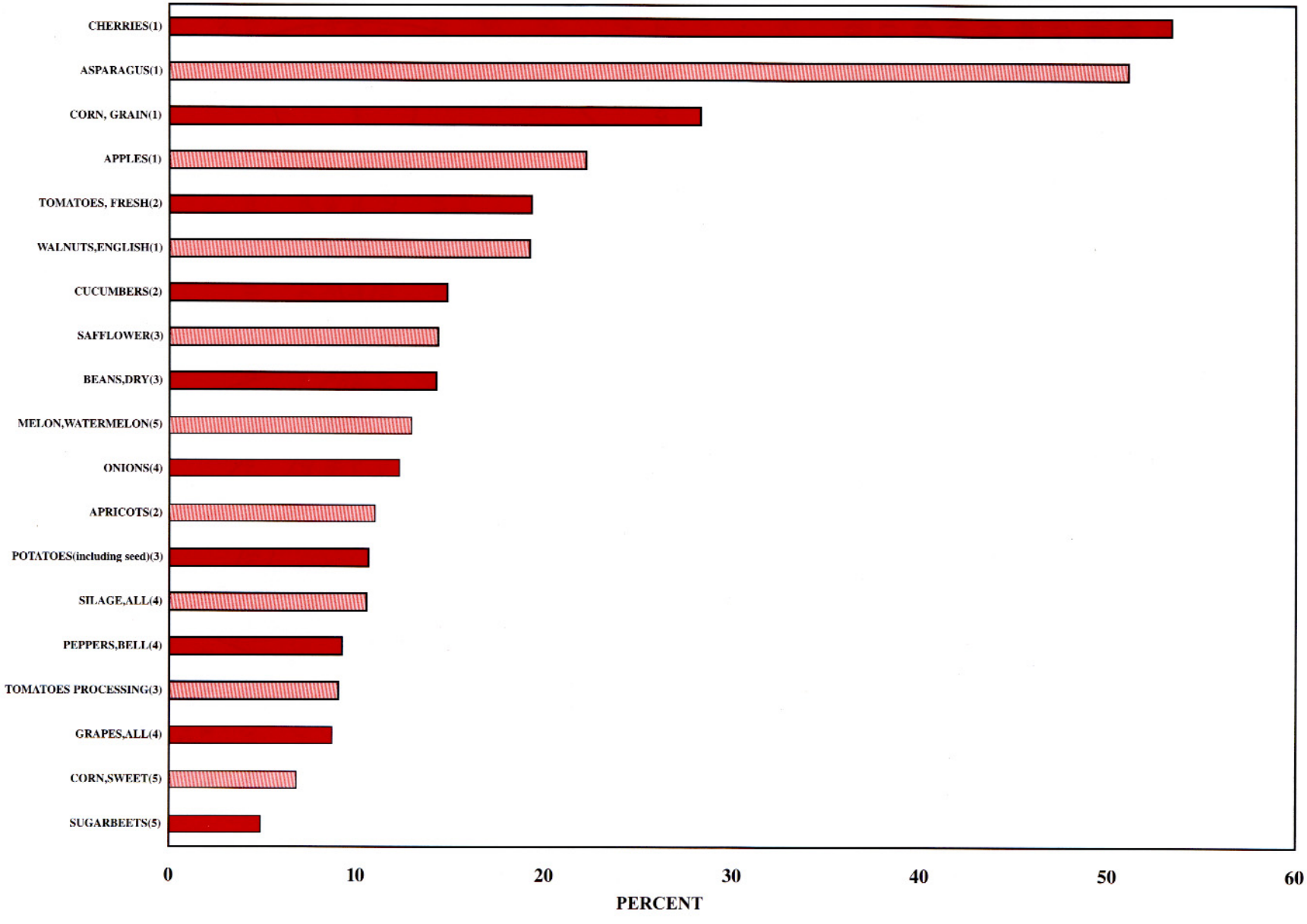



**TOTAL VALUE 1998: $1,310,817,000**

**TOTAL VALUE 1999: $1,352,672,000**

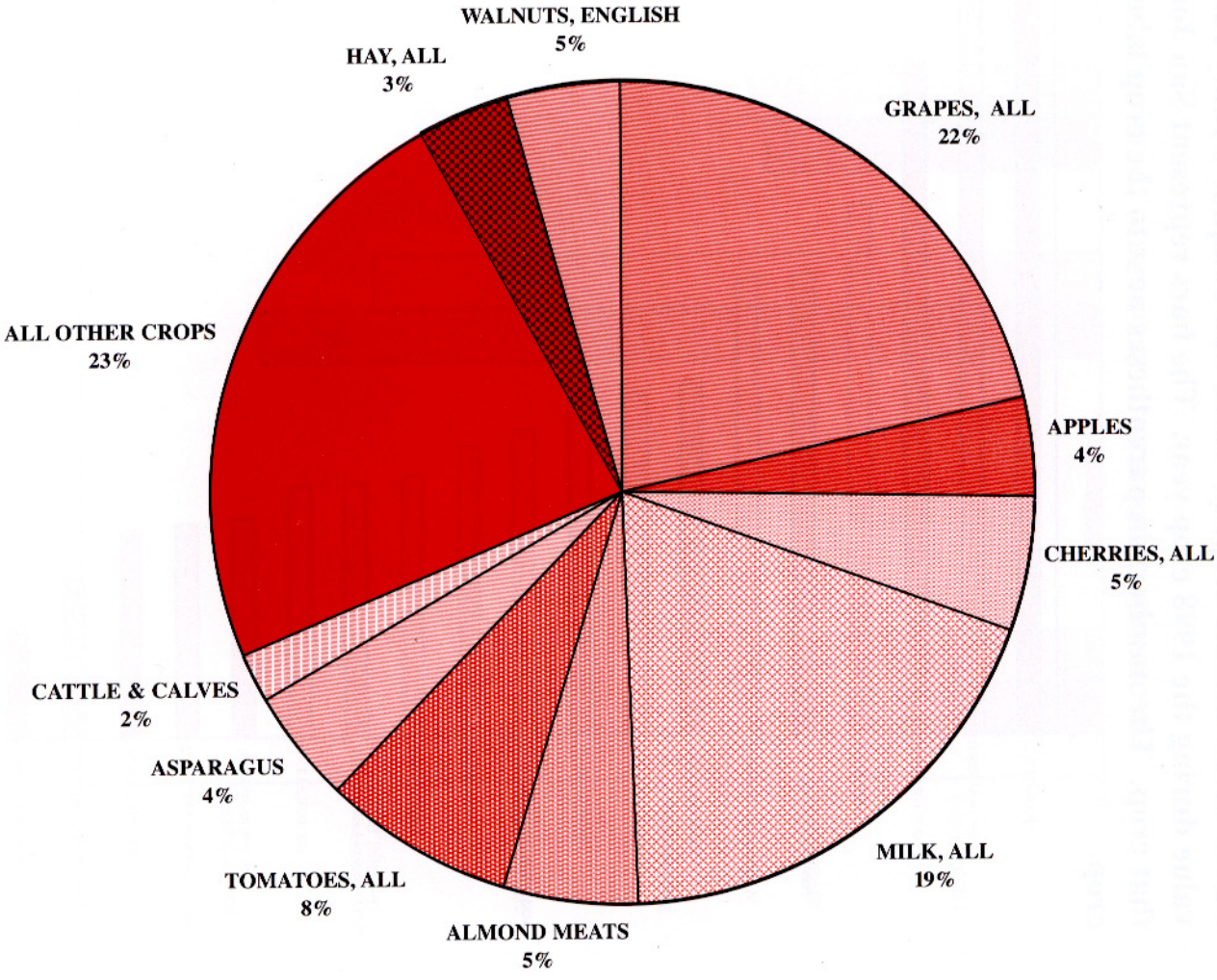
# SAN JOAQUIN COUNTY'S SHARE OF PRODUCTION

**Listed below are the crops in which San Joaquin County ranked in the top five in the State based on gross value during the 1998 crop year. The bars represent San Joaquin County's percentage of the state value for that crop. The numbers in parentheses next to the crop labels show San Joaquin County's ranking for that crop.**



# SAN JOAQUIN COUNTY'S TEN LEADING CROPS

| | |
|---|---|
| GRAPES, ALL | $291,197,000 |
| MILK, ALL | $257,451,000 |
| TOMATOES, ALL | $103,725,000 |
| CHERRIES, ALL | $71,861,000 |
| ALMOND MEATS | $69,801,000 |
| WALNUTS, ENGLISH | $61,572,000 |
| ASPARAGUS | $59,423,000 |
| APPLES | $49,323,000 |
| HAY, ALL | $46,091,000 |
| CATTLE & CALVES | $25,946,000 |
| ALL OTHER CROPS | $316,282,000 |

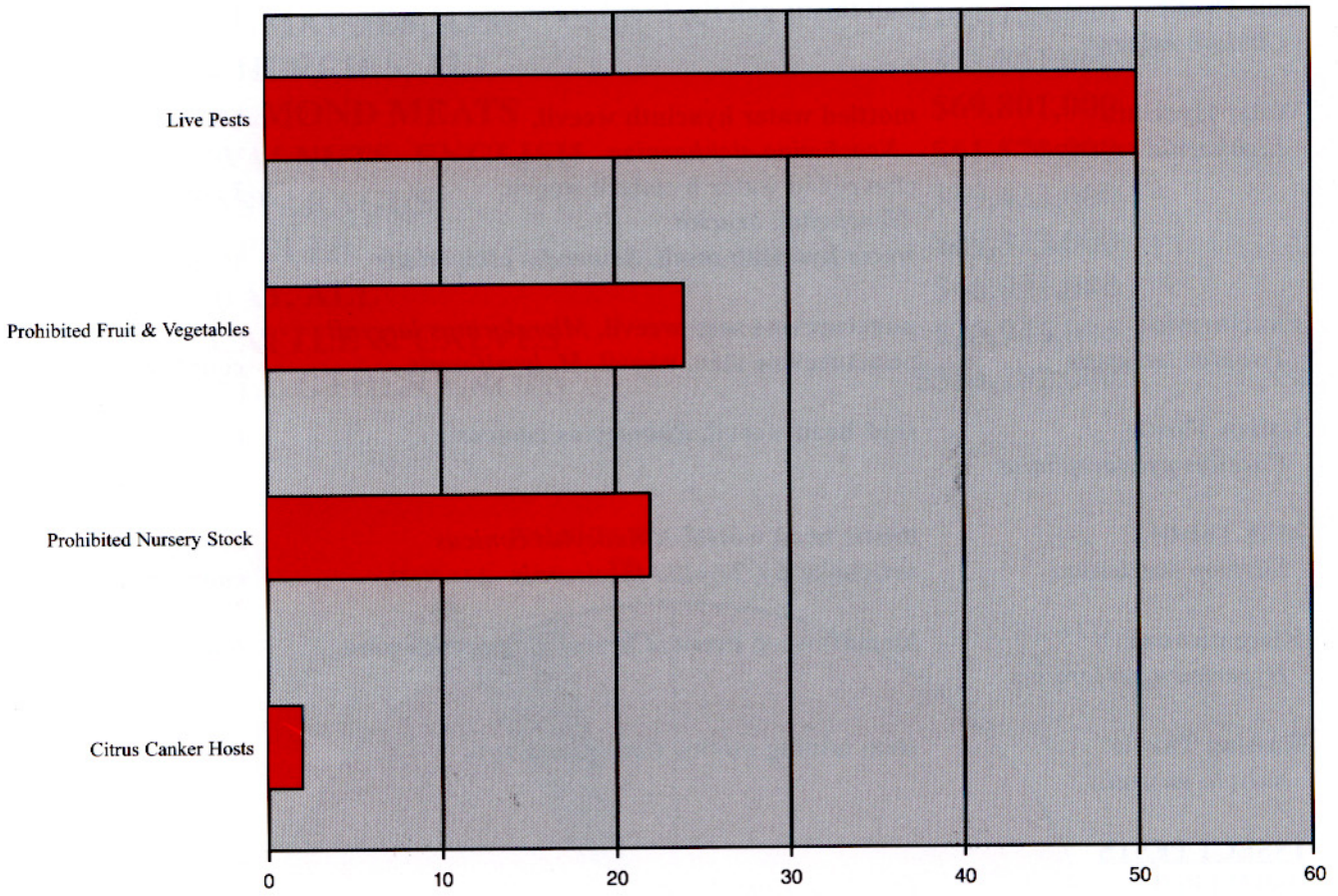


## SAN JOAQUIN COUNTY SUSTAINABLE AGRICULTURE
## 1999 BIOLOGICAL CONTROL

| WEED PEST | BIO CONTROL ORGANISM | SCPOE OF PROGRAM |
|---|---|---|
| Yellow Starthistle (YST) | YST bud weevil, *Bangasternus orientalis* | 2 sites |
| *Centaurea solstitialis* | YST gall fly, *Urophora sirunaseva* | 2 sites |
| | YST peacock fly, *Chaetorellia australis* | countywide |
| | YST hairy weevil, *Eustenopus villosus* | 2 sites |
| Bull Thistle | bull thistle gall fly, *Urophora stylata* | 1 site |
| *Cirsium vulgare* | | |
| Water Hyacinth | mottled water hyacinth weevil, | 1 site |
| *Eichhornia crassipes* | *Neochetina eichhorniae* | |
| | chevroned water hyacinth weevil, | 1 site |
| | *Neochetina bruchii* | |
| | water hyacinth moth, *Sameodes albiguttalis* | 1 site |
| Puncturevine | puncturevine seed weevil, *Microlarinus lareynii* | countywide |
| *Tribulus terrestris* | puncturevine stem weevil, *M. lypriformis* | countywide |
| Italian Thistle | seed-head weevil, *Rhinocylus conicus* | limited |
| *Carduus pycnocephalus* | | |
| Milk Thistle | thistle head weevil, *Rhinocylus conicus* | countywide |
| *Silybum marianum* | artichoke fly, *Terellia fuscicornis* | countywide |
| Klamathweed | klamathweed beetle, *Chrysolina quadrigemina* | limited |
| *Hypericum perforatum* | | |
| Russian Thistle | stem mining moths, *Coleophora* spp. | limited |
| *Salsola australis* | | |
| **INSECT PESTS** | | |
| Ash Whitefly | Encarsia wasp, *Encarsia partenopea* | countywide |
| *Siphoninus phillyreae* | ladybird beetle, *Clitostethus arcuatus* | 3 sites |
| Greenhouse Whitefly | ladybird beetle, *Clitostethus arcuatus* | 1 site |
| *Trialeurodes vaporariorum* | Encarsia wasp, *Encarsia formosa* | 2 sites |
| Cottony Cushion Scale | Vedalia beetle, *Rodalia cardinalis* | countywide |
| *Icerya purchasi* | parasitic fly, *Cryptochaetum iceryae* | countywide |
| Aphid & Scale Insects | Asiatic ladybird beetle, *Harmonia axyridis* | countywide |
| (numerous species) | | |
| **GREENHOUSE PESTS** | | |
| Fungus Gnats, *Sciara* spp. | a nematode, *Steinernema feltiae* | 2 sites |
| Twospotted mites | predator mites, | 2 sites |
| *Tetranychus* spp. | *Phytoseiulus* spp. | |
| | *Galendromus* (=*Metaseiulus*) *occidentalis* | |

# PEST EXCLUSION REJECTIONS 1999

The following depicts the number of Exclusion rejection notices issued on shipments in violation of California quarantines. All shipments of plant material entering San Joaquin County are inspected as a function of the Agricultural Commissioner's Pest Exclusion Program.




**NUMBER OF REJECTIONS**

| PEST INTERCEPTED | SOURCE | SCOPE OF PROGRAM |
|---|---|---|
| Live Pests | | |
| Reniform Nematode | Nurseries | 1 Rejection/Destroyed |
| Quarantine Scales | Nurseries, P.O., UPS | 28 Rejections/Destroyed |
| Quarantined Snails and Slugs | Nurseries, P.O., UPS | 6 Rejections/Destroyed |
| Other Quarantined Insects | Nurseries, P.O., UPS | 15 Rejections/Destroyed |
| Prohibited Fruit & Vegetables | P.O., UPS, Ethnic Mkt. | 22 Rejections/Destroyed |
| Citrus Canker Hosts | Ethnic Markets, P.O. | 2 Rejections/Destroyed |
| Prohibited Nursery Stock | Nurseries, P.O. | 24 Rejections/Destroyed |

# GENERAL SAN JOAQUIN COUNTY INFORMATION

| | |
|---|---|
| COUNTY SEAT | STOCKTON |
| COUNTY POPULATION (1997) | 535,400 |
| POPULATION PER SQUARE MILE | 379 |
| INCORPORATED CITIES (7) | |
| ESCALON, LATHROP, LODI, MANTECA, RIPON, STOCKTON AND TRACY | |
| LAND AREA (SQUARE MILES) | 1,400 |
| LAND IN FARMS (ACRES - 1997) | 808,838 |
| TOTAL CROPLAND (ACRES - 1997) | 559,435 |
| IRRIGATED CROPLAND (ACRES - 1997) | 519,021 |
| NUMBER OF FARMS (1997) | 3,862 |
| AVERAGE SIZE OF FARMS ( ACRES - 1997) | 209 |
| AGRICULTURAL WORK FORCE | 15,700 |
| LOWEST ELEVATION IN COUNTY (DELTA AREA) | 12' BELOW SEA LEVEL |
| HIGHEST ELEVATION IN COUNTY (SOUTHWESTERN AREA) | 3065' ABOVE SEA LEVEL |
| LENGTH OF COUNTY (NORTH TO SOUTH) | 75 MILES |
| WIDTH OF COUNTY (EAST TO WEST) | 65 MILES |
| AVERAGE JANUARY TEMPERATURE | 53° |
| AVERAGE JULY TEMPERATURE | 93° |
| AVERAGE ANNUAL RAINFALL | |
| NORTH COUNTY | 16 INCHES |
| SOUTH COUNTY | 14 INCHES |
| EAST COUNTY | 12 INCHES |
| WEST COUNTY | 9 INCHES |

AGRICULTURAL COMMISSIONER'S OFFICE
SAN JOAQUIN COUNTY
P.O. BOX 1809
STOCKTON, CA 95201