



Tulare County Agricultural Commissioner/Sealer

Gary Kunkel, Agricultural Commissioner
Sealer of Weights and Measures
William R. Appleby, Assistant
Commissioner/Sealer

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

April 2003

AND

THE HONORABLE BOARD OF SUPERVISORS
COUNTY OF TULARE

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It is my pleasure to submit the 2002 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 contained herein represent gross returns to the producer and do not reflect actual net profit.

This year's total value of all commodities is \$3,201,084,900. This represents a decrease of \$274,914,700 below last year's value (or 7.9%). An adjustment was made in last year's turkey prices so that the total income for Tulare County in 2001 is revised to \$3,475,999,600.

The price of milk declined by \$2.96 per hundredweight. Even with increased volume, the reduced price resulted in a lower total milk value of \$961,806,000. Cattle and calf numbers improved this year. The growing dairy industry continues to drive a change in cropping patterns. For example, much of the land that was formerly devoted to cotton production has been shifted to the growing of silage for cattle feed.

Vegetable crops dropped by 45% in total value, primarily because of reduced acreage. Fruit and nut crops also experienced a slight decrease. It was a relatively good year for cherries, grapefruit, and lemons. The overall gross value of grapes improved somewhat in spite of lower prices across the board, as many of the raisin varieties were diverted to the wine crush or fresh pack. Almonds and pistachio nuts experienced an increase in total value of \$15,420,000. Nursery products increased by 8.11%. Apiary products had a 61% increase, primarily because of less foreign competition, higher domestic demand and relatively lower supply. The small production of seed crops increased by 102%. Meanwhile, industrial crops declined by 39.1%, mainly because of decreased timber harvesting and reduced price per board foot of lumber.

Although declining revenues have been experienced by many producers in recent years, Tulare County's agricultural diversity remains its 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 Richard Homer and Dennis Haines. Without their hard work and valuable input, the publication of this report would have been impossible.

Respectfully submitted,

Gary W. Kunkel
Agricultural Commissioner/Sealer

WORLD AG EXPO

THE WORLD'S LARGEST FARM EQUIPMENT SHOW

Tulare County's Agriculture Commissioner/Sealer office is proud to honor in this year's crop and livestock report the World Ag Expo. From its humble beginnings in 1968, the originally titled California Field and Row Crop Equipment Show opened its gates at the Tulare County fairgrounds with 157 exhibitors.

In February of 2003, more than 1,460 exhibitors, the show was truly world wide with more than 800 international visitors along with 56 international exhibitors representing 16 countries. Several countries sent delegations including some of Tulare County's greatest agricultural trading partners such as Japan (#2), Mexico (#3), Australia (#7), China (#11) and Russia (#41). World Ag Expo showcases the newest products and technology for farmers, ranchers and dairymen from every corner of the world, and produces an economic impact through show sales and indirect income to the community of \$100 million during the three-day show.

World Ag Expo provides the International Business Center to visitors and participates in the highly selective US Department of Commerce International Buyer Program. The International Business Center is the focus of many import-export trade negotiations each year during World Ag Expo, aided by the all-volunteer International Committee and the trade lead exchange boards. Volunteers also make up a pool of 76 interpreters who translate into 17 languages, including sign language. Attendees and exhibitors of 2003 World Ag Expo were able to access the internet and make calls anywhere in the country, free of charge, at two Internet Cafés.

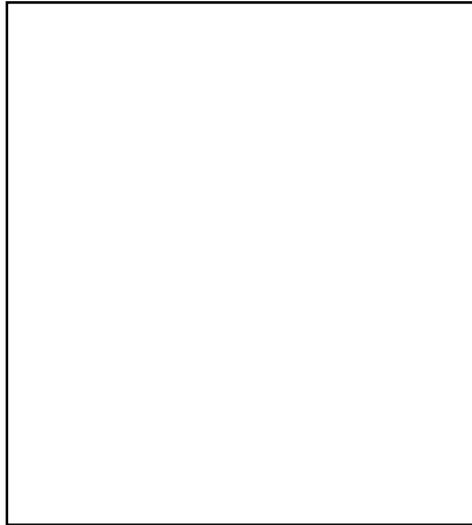
In 1976, International Agri-Center, Inc., a non-profit organization, was formed and in 1982 the show moved to its present location off of Highway 99 near the Tulare airfield. In October, 2000, The Heritage Complex became the latest addition to the International Agri-Center, with a museum, learning center and international trade center. It also includes a gift shop and deli. The multi-media theater, commercial kitchen and banquet hall are available for rent, as are office and conference spaces.

Starting in 2004, the world's largest ag trade show will be even bigger. The International Agri-Center is launching a \$1 million expansion of World Ag Expo, which will allow an additional 99 exhibitors in the Tulare Dairy Center, 46 additional outside exhibit spaces and 30 acres of parking. This expansion represents a commitment to agriculture and optimism for the future of The International Agri-Center and World Ag Expo.

Tulare County's Agriculture Commissioner/Sealer office would also like to honor the enduring commitment of the Orange Jacket volunteers at World Ag Expo. Almost 1,000 strong and growing every year, they do everything from running forklifts and staffing information booths to helping exhibitors register. Volunteers are the show's backbone, and it is not uncommon to find grandparents who have been volunteering for 35 years working alongside their grandchildren.

Bobby Kent Bonds

1944 - 2002



In 2002, the Tulare County Agricultural Commissioners/Sealer's Office lost another longtime member of it's family. Bobby Bonds was a kind-hearted man who was famous for his Tarzan yell. He started with the Commissioners office in 1969 spraying weeds and testing oranges before transferring into pesticides where he became Deputy Agricultural Commissioner. Bobby took what he did for a living seriously, but strived to be fair and humane to the people he worked with. That was his nature. He liked the tough situations, and didn't shy away from them. Bobby's job of pesticide use enforcement could have made him enemies, but he was too nice a guy to be disliked. He definitely had the personality for the job.

Bobby adopted stray cats, spent Sundays with his mother, collected guns, liked to pilot airplanes, loved sports cars and picked vacation spots where he could scuba dive. He followed the Raiders and the Lakers, and watched the fights and NASCAR races on TV. He loved holidays, and considered ham, deviled eggs and banana pudding the perfect meal.

The self-described "handsome devil" came to California in 1951 with his parents. He graduated from Orosi High School and attended College of the Sequoias. He joined the Navy Reserve and served in Vietnam. In 1967 he married Sharon Harmon. Sharon considers herself blessed to have shared Bobby's life on Earth for 35 years.

Bobby beat lymphoma in 1987, only to fall ill in 2000 with the colon cancer that eventually took his life. He was a fighter and never complained about the many treatments and operations he went through. He never gave up. Bobby was a good person and packed a whole lot of living into 57 years. Bobby Kent Bonds died at home in Porterville on June 14, with his wife Sharon by his side.

Agricultural Commissioner/Sealer of Weights & Measures

Gary W. Kunkel

Assistant Agricultural Commissioner/Sealer

William R. Appleby

Deputy Agricultural Commissioner/Sealer

Bob Chilton, Brian Cox, Billy J. Deavours

Systems and Procedures Analyst

David Greenwood (Consultant)

Supervising Agricultural & Standards Inspectors

Donald Borges, David Case, Jerry McElhaney, Thomas Zikratch

Agricultural Staff Biologist

R. Dennis Haines

District Agricultural & Standards Inspectors

John Akana, Dan Bigham, Steven W. Brown, Scott N. Cornett, Greg H. Dunbar, Chris Francone, Rafael Garcia, Jr., David S. Gould, Marilyn Kinoshita, Kelly D. LeGrand, Robert C. Mann, Robert D. Milner, John M. Moreno, Gabriella Nunez, Jim L. Qualls, Stoney Savage, Deo P. Tigulo

Agricultural & Standards Inspectors

Karrie Batchelor, Dexter Bennett, David G. Bryant, Marvin Clark, Albert Coronel, Denise E. Eyraud, Roy A. Fontaine, Richard T. Homer, Gavin Iacono, Robert Ibbs, Donald K. Irvine, Kurt Kilburn, Craig A. Mills, Sundip Rai, Clay Schroeder, Paul Sihota, Curt D. Steggall, Rick Yraceburu

Extra Help Inspectors & Pest Detection Trappers

Vanessa Baltazar, Kris Bean, Brandon Becker, Peter Carlstrom, John Carter, Ronald Carter, Jesse Churchill, Michelle DeCesare, Esteban DeLaCruz, Aaron Dowling, Diana Flowers, Kerry Ladrikan, Joseph Lerda, Tyler McKeel, Lynn A. Miller, Klay Mittel, Joseph Oberg,, Nicole Pearson, Eusebio Perez Melissa Plum, Kenneth Priest, Jose Quezada, Gracie Ramirez, Esias Rodriguez, Ian Vietti, Andrew Wachner

Staff Services Analyst I

Brenda Plum

Senior Account Clerk

Patricia McCurry

Office Assistant IV

Gloria Schoenborn

Office Assistant III

Sherry Hollingsworth, Anita Letsinger, Jesusita Martinez, Margie Renfro

Tulare County Agricultural Offices

TULARE	4437 South Laspina Street	(559) 685 - 3323
AG WAREHOUSE	1473 Ave 256, Visalia	(559) 733 - 6476
DINUBA (1)	324 West Tulare, Suite 102	(559) 591 - 5842
DINUBA (2)	324 West Tulare, Suite 102	(559) 591 - 5855
EXETER	101 West Pine Street	(559) 592 - 4075
LINDSAY	240 East Honolulu	(559) 562 - 6025
PIXLEY	188 South Main Street	(559) 757 - 3853
PORTERVILLE	25 South Hockett	(559) 782 - 4787
WOODLAKE	250 Antelope, Suite L	(559) 564 - 8320



TABLE OF CONTENTS

COUNTY ACREAGE-PERMANENT PLANTINGS	1
FIELD CROPS	2-3
VEGETABLE CROPS	3
FRUIT AND NUT CROPS	4-6
NURSERY PRODUCTS	7
APIARY PRODUCTS	7
LIVESTOCK AND POULTRY	8
LIVESTOCK AND POULTRY PRODUCTS	8
SEED CROPS	9
INDUSTRIAL CROPS	9
SUMMARY	10
MILLION DOLLAR PRODUCTS	11
TWENTY YEAR VALUE COMPARISON	12
STANDARD CARTON WEIGHTS	13
PRODUCE EXPORT DATA	13-14
ANNUAL SUSTAINABLE AGRICULTURE	15-18
SPECIAL THANK YOU	19

TULARE COUNTY

ACREAGE-PERMANENT PLANTINGS

	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
<u>CITRUS</u>			
Grapefruit & Pummelos	1,603	66	1,669
Lemons	3,241	147	3,388
Limes	0	22	22
Navels	69,725	2,941	72,666
Valencias	27,531	394	27,925
Tangelo	1,159	106	1,265
Tangerines	1,457	216	1,673
Total Citrus	104,716	3,892	108,608
<u>DECIDUOUS & GRAPES</u>			
Almonds	15,595	123	15,718
Apples	613	0	613
Apricots	600	12	612
Avocados	367	0	367
Cherries	1,562	324	1,886
Figs	44	0	44
Grapes			
Raisin	30,659	299	30,958
Table	28,618	1,044	29,662
Wine	13,833	237	14,070
Kiwifruit	1,363	27	1,390
Nectarines	14,542	618	15,160
Olives	15,680	246	15,926
Peaches			
Cling	787	11	798
Freestone	13,088	1,047	14,135
Pears & Asian Pears	422	0	422
Pecans	821	6	827
Persimmons	644	30	674
Pistachio Nuts	10,345	984	11,329
Plums	17,091	705	17,796
Dried Plums - Prunes	5,787	504	6,291
Pomegranates	1,172	56	1,228
Quince	174	21	195
Walnuts	31,466	1,305	32,771
Miscellaneous*	32	0	32
TOTAL			
Total Grapes	73,110	1,580	74,690
Total Orchard Crops	236,911	9,911	246,822
GRAND TOTAL	310,021	11,491	321,512

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

Field Crops

Total value for field crops decreased slightly by .4% or \$1,238,000 in 2002. Decreased cotton acreage seems to have been shifted to silage to feed the increasing dairy population in Tulare County.

Crop	Year	Harvested Acreage	Production		Value		
			Per Acre	Total	Unit	Per Unit	Total
Alfalfa - Hay	2002	107,912	8.13	877,000	Ton	100.00	87,700,000
	2001	93,809	9.00	844,000	Ton	115.00	97,060,000
Silage ^a	2002	X	2.75	144,000	Ton	22.00	3,168,000
	2001	X	2.40	125,000	Ton	28.00	3,500,000
Barley	2002	709	2.70	1,910	Ton	103.00	197,000
	2001	3,761	2.70	10,200	Ton	105.00	1,071,000
Beans - Dry	2002	4,768	1.48	7,060	Ton	599.00	4,229,000
	2001	6,561	1.49	9,780	Ton	493.00	4,822,000
Corn - Grain	2002	3,420	5.50	18,800	Ton	83.00	1,560,000
	2001	20,787	5.40	112,000	Ton	85.00	9,520,000
Silage	2002	130,546	24.50	3,198,000	Ton	22.00	70,356,000
	2001	94,061	23.00	2,163,000	Ton	21.30	46,072,000
Cotton - Lint ^b	2002	50,655	1,470.00	150,000	Bale	68.30	51,370,000
	2001	77,070	1,290.00	201,000	Bale	68.50	68,791,000
Seed	2002	X	X	51,600	Ton	220.00	11,352,000
	2001	X	X	69,200	Ton	160.00	11,072,000
Pasture & Range (Irrigated)	2002	109,950	X	X	Acre	125.00	13,744,000
	2001	110,281	X	X	Acre	114.00	12,572,000
Native	2002	615,000	X	X	Acre	12.50	7,688,000
	2001	615,000	X	X	Acre	12.00	7,380,000
Other	2002	80,000	X	X	Acre	20.00	1,600,000
	2001	79,800	X	X	Acre	19.20	1,532,000
Silage - Small Grain ^c	2002	79,010	17.50	1,383,000	Ton	19.50	26,968,000
	2001	62,620	17.00	1,065,000	Ton	20.00	21,300,000
Sorghum Grain	2002	3,000	2.20	6,600	Ton	75.00	495,000
	2001	3,471	2.20	7,640	Ton	90.00	688,000
Sudan Grass ^d	2002	5,343	20.00	107,000	Ton	16.00	1,712,000
	2001	4,851	30.00	146,000	Ton	14.00	2,044,000
Sugar Beets	2002	1,334	48.40	64,600	Ton	32.00	2,067,000
	2001	1,413	32.50	45,900	Ton	28.50	1,308,000
Wheat	2002	51,958	2.14	111,000	Ton	98.30	10,911,000
	2001	46,193	2.25	104,000	Ton	92.50	9,620,000

Field Crops continued

Crop	Year	Harvested Acreage	Per Acre	Production			Value	
				Total	Unit	Per Unit	Total	
Miscellaneous ^e	2002	7,753	X	X	X	X	4,724,000	
	2001	9,099	X	X	X	X	2,727,000	
TOTAL	2002	1,251,358					\$299,841,000	
	2001	1,228,777					\$301,079,000	

^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 cwt.

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

^d Sudan Grass reported as green chop in 2002.

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

Vegetable Crops

Decreased production and mixed commodity prices resulted in a 45% decrease in total value for all vegetable crops.

Crop	Year	Harvested Acreage	Per Acre	Production			Value	
				Total	Unit	Per Unit	Total	
Broccoli	2002	1,628	5.69	9,260	Ton	430.00	3,982,000	
	2001	2,447	5.51	13,500	Ton	494.00	6,669,000	
Cauliflower	2002	415	6.32	2,620	Ton	615.00	1,611,000	
	2001	1,238	7.78	9,630	Ton	454.00	4,372,000	
Cucumbers	2002	199	13.70	2,730	Ton	563.00	1,537,000	
	2001	243	16.00	3,890	Ton	625.00	2,431,000	
Snap Beans - Fresh	2002	667	4.63	3,090	Ton	2,000.00	6,180,000	
	2001	625	4.75	2,970	Ton	1,960.00	5,821,000	
Sweet Corn	2002	176	8.13	1,430	Ton	250.00	358,000	
	2001	196	10.00	1,960	Ton	240.00	470,000	
Tomatoes - Fresh	2002	89	9.44	840	Ton	520.00	437,000	
	2001	211	15.00	3,160	Ton	440.00	1,390,000	
Miscellaneous*	2002	3,211	X	X	X	X	14,500,000	
	2001	9,374	X	X	X	X	31,068,000	
TOTAL	2002	6,385					28,605,000	
	2001	14,334					52,221,000	

* 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, Siqua, Spinach, Squash, Sunflowers, Taro, Tomatillos, Processed Tomatoes, Turnips, Watermelon, Yachoy, Yams, Zucchini.

Fruit and Nut Crops

This was the year to go nuts with Almonds and Pistachios increasing in value by \$15,420,000. Other crops that increased in value were Cherries, Grapefruit, and Lemons. The most surprising total value increase was in grapes as we saw increased acreage in raisin varieties and an increased tonnage for fresh pack of more than twice that of last year.

Crop	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Almonds - Meats	2002	15,595	1.03	16,100	Ton	2,020.00	32,522,000
	2001	16,587	0.90	14,900	Ton	1,760.00	26,224,000
Hulls	2002	X	X	39,600	Ton	85.00	3,366,000
	2001	X	X	37,900	Ton	80.00	3,032,000
Apples	2002	613	8.51	5,220	Ton	687.00	3,586,000
	2001	881	7.74	6,820	Ton	751.00	5,122,000
Apricots	2002	600	6.96	4,180	Ton	689.00	2,880,000
	2001	730	5.24	3,830	Ton	1,430.00	5,469,000
Avocados	2002	367	3.08	1,130	Ton	1,780.00	2,011,000
	2001	459	2.97	1,360	Ton	1,540.00	2,094,000
Cherries	2002	1,562	3.04	4,750	Ton	3,160.00	15,010,000
	2001	1,396	2.09	2,920	Ton	3,310.00	9,665,000
Grapes - Total	2002	73,110	X	X	X	X	399,772,000
	2001	68,686	X	X	X	X	361,515,000
Raisin Varieties	2002	30,659	9.78	X	X	X	X
	2001	28,166	9.31	X	X	X	X
Canned	2002	X	X	23,000	Ton	243.00	5,589,000
	2001	X	X	43,300	Ton	245.00	10,608,000
Crushed ^a	2002	X	X	79,000	Ton	77.90	6,154,000
	2001	X	X	27,300	Ton	80.00	2,184,000
Dried ^b	2002	X	X	17,300	Ton	432.00	7,474,000
	2001	X	X	31,300	Ton	525.00	16,432,000
Fresh	2002	X	X	120,000	Ton	944.00	113,280,000
	2001	X	X	63,700	Ton	983.00	62,617,000
Table Varieties	2002	28,618	8.87	X	X	X	X
	2001	27,766	8.79	X	X	X	X
Crushed	2002	X	X	20,700	Ton	95.90	1,985,000
	2001	X	X	27,200	Ton	80.00	2,176,000
Fresh	2002	X	X	233,000	Ton	1,020.00	237,660,000
	2001	X	X	217,000	Ton	1,060.00	230,020,000
Wine Varieties	2002	13,833	9.80	X	X	X	X
	2001	12,754	10.80	X	X	X	X
Crushed	2002	X	X	117,000	Ton	167.00	19,539,000
	2001	X	X	124,000	Ton	248.00	30,752,000
Juice	2002	X	X	18,600	Ton	435.00	8,091,000
	2001	X	X	14,100	Ton	477.00	6,726,000

Fruit and Nut Crops continued

Crop	Year	Harvested Acreage	Production			Value	
			Per Acre	Total	Unit	Per Unit	Total
Grapefruit - Fresh ^c	2002	1,603	11.00	17,600	Ton	470.00	8,272,000
	2001	958	12.70	12,200	Ton	471.00	5,746,000
Kiwifruit	2002	1,363	4.32	5,890	Ton	1,800.00	10,602,000
	2001	1,463	5.05	7,400	Ton	1,880.00	13,912,000
Lemons - Fresh	2002	3,241	13.70	37,700	Ton	685.00	25,824,000
	2001	3,645	13.10	36,300	Ton	597.00	21,671,000
Processed	2002	X	X	6,660	Ton	12.00	79,900
	2001	X	X	11,500	Ton	28.50	328,000
Nectarines - Fresh	2002	14,542	7.64	111,000	Ton	708.00	78,588,000
	2001	15,323	4.62	70,800	Ton	990.00	70,092,000
Olives	2002	15,680	3.07	48,100	Ton	601.00	28,908,000
	2001	15,973	4.10	65,500	Ton	645.00	42,248,000
Oranges - Navel	2002	69,725	11.30	646,000	Ton	537.00	346,902,000
	2001	73,317	12.00	733,000	Ton	482.00	353,306,000
Processed	2002	X	X	142,000	Ton	6.40	909,000
	2001	X	X	150,000	Ton	4.27	640,000
Oranges - Valencia	2002	27,531	11.20	219,000	Ton	465.00	101,835,000
	2001	30,236	17.10	356,000	Ton	485.00	172,660,000
Processed	2002	X	X	89,300	Ton	18.10	1,616,000
	2001	X	X	160,000	Ton	24.50	3,920,000
Peaches - Cling	2002	787	14.60	11,500	Ton	224.00	2,576,000
	2001	1,168	16.00	18,700	Ton	234.00	4,376,000
Freestone - Fresh	2002	13,088	9.70	89,000	Ton	937.00	83,393,000
	2001	12,590	7.22	63,200	Ton	711.00	44,935,000
Processed	2002	X	X	38,000	Ton	199.00	7,562,000
	2001	X	X	27,700	Ton	200.00	5,540,000
Pears & Asian Pears	2002	422	5.82	2,460	Ton	1,480.00	3,641,000
	2001	523	5.67	2,970	Ton	1,470.00	4,366,000
Pecans	2002	821	1.13	928	Ton	2,600.00	2,413,000
	2001	888	0.78	693	Ton	3,400.00	2,356,000
Persimmons	2002	644	5.64	3,630	Ton	1,450.00	5,264,000
	2001	917	4.49	4,120	Ton	1,370.00	5,644,000
Pistachio Nuts	2002	10,345	1.62	16,800	Ton	2,390.00	40,152,000
	2001	10,208	1.42	14,500	Ton	2,140.00	31,030,000
Plums - Fresh	2002	17,091	5.68	97,100	Ton	783.00	76,029,000
	2001	18,081	6.30	114,000	Ton	810.00	92,340,000
Pomegranates	2002	1,172	4.53	5,310	Ton	997.00	5,294,000
	2001	1,313	4.91	6,450	Ton	888.00	5,728,000

Fruit and Nut Crops continued

Crop	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Dried Plums - Prunes Processed ^d	2002	5,787	1.91	10,000	Ton	745.00	7,450,000
	2001	6,616	1.93	9,000	Ton	800.00	7,200,000
Fresh ^c	2002	X	X	1,060	Ton	1,040.00	1,102,000
	2001	X	X	1,260	Ton	1,480.00	1,865,000
Quince	2002	174	6.35	1,100	Ton	1,400.00	1,540,000
	2001	292	5.09	1,490	Ton	1,600.00	2,384,000
Tangerines ^f	2002	2,616	7.72	20,200	Ton	1,280.00	25,856,000
	2001	2,850	6.92	19,700	Ton	1,010.00	19,897,000
Walnuts	2002	31,466	1.01	31,780	Ton	1,000.00	31,780,000
	2001	27,169	1.37	37,200	Ton	1,050.00	39,060,000
Miscellaneous ^g	2002	509	X	X	X	X	5,658,000
	2001	610	X	X	X	X	5,923,000
TOTAL	2002	310,454					1,362,392,900
	2001	312,879					1,370,288,000

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

^b A combined value reflecting free and reserve 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.



**When tillage begins, other arts follow. The farmers, therefore, are the founders of human civilization.
- Daniel Webster -**

Nursery Products

Ornamental nursery stocks total value improved by 14% which supplied most of the \$5,288,000 increase in total value of nursery products in 2002.

Crop	Year	Production		Value	
		Quantity Sold	Unit	Per Unit	Total
Citrus & Subtropical Trees	2002	557,000	Each	9.18	5,113,000
	2001	611,000	Each	8.54	5,218,000
Deciduous Fruit & Nut Trees	2002	619,000	Each	8.38	5,187,000
	2001	545,000	Each	8.73	4,758,000
Grape & Berry Vines	2002	3,080,000	Each	1.91	5,883,000
	2001	2,331,000	Each	2.44	5,688,000
Foliage Plants & Cut Flowers	2002	X	X	X	929,000
	2001	X	X	X	1,111,000
Ornamental Trees & Shrubs	2002	4,663,000	Each	10.60	49,428,000
	2001	4,453,000	Each	9.73	43,328,000
Miscellaneous*	2002	X	X	X	3,923,000
	2001	X	X	X	5,072,000
TOTAL	2002				70,463,000
	2001				65,175,000

* 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

Growers paid higher prices for quality pollination services this year because of higher demand coupled with fewer colonies available for pollination service. Less competition from subsidized imported honey helped local producers continue to show nice gains over past years.

Crop	Year	Production		Value	
		Total	Unit	Per Unit	Total
Honey - Orange ^a	2002	15,552,000	Pound	1.30	20,218,000
	2001	16,714,000	Pound	0.69	11,533,000
Other	2002	1,685,000	Pound	1.40	2,359,000
	2001	1,925,000	Pound	0.64	1,232,000
Beeswax	2002	150,000	Pound	1.16	174,000
	2001	105,000	Pound	1.26	132,000
Pollination ^b	2002	145,000	Colony	41.10	5,960,000
	2001	160,000	Colony	30.80	4,928,000
TOTAL	2002				28,711,000
	2001				17,825,000

^a From bee colonies registered in Tulare County during 2002 citrus bloom period.

^b Estimated number of colonies required for adequate pollination.

Livestock & Poultry

Cattle and Calf numbers continue to increase in 2002. Hog and Pig numbers had a sharp decline, along with a slight decrease in turkeys. Prices dropped in every category except for lambs which only improved by 2 cents.

Crop	Year	No. of Head	Total Liveweight	Unit	Value	
					Per Unit	Total
Cattle & Calves	2002	562,000	X	Head	691.00	388,342,000
	2001	538,000	X	Head	815.00	438,470,000
Lambs	2002	13,400	1,273,000	Pound	0.69	878,000
	2001	13,100	1,248,000	Pound	0.67	836,000
Hogs & Pigs	2002	205,000	X	Head	77.70	15,928,000
	2001	294,000	X	Head	103.00	30,282,000
Turkeys	2002	850,000	21,900,000	Pound	.35	7,665,000
	2001	889,000	21,960,000	Pound	.52 *	11,419,000
Miscellaneous**	2002	X	X	X	X	17,459,000
	2001	X	X	X	X	16,914,000
TOTAL	2002					430,272,000
	2001					497,921,000

* Adjusted from 2001 crop report.

** 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 over last year, the price decreased by \$2.96 per hundredweight. This reduced the total value by over \$192 million dollars. Increased cattle numbers also increased the amount of manure produced.

Crop	Year	Production	Unit	Value	
				Per Unit	Total
Manure ^a	2002	2,771,000	Ton	2.38	6,595,000
	2001	2,250,000	Ton	2.74	6,165,000
Milk - Market	2002	89,009,000	Cwt.	10.78	959,517,000
	2001	83,812,000	Cwt.	13.74	1,151,577,000
Manufacturing	2002	222,000	Cwt.	10.31	2,289,000
	2001	197,000	Cwt.	13.04	2,569,000
Miscellaneous ^b	2002	X	X	X	9,478,000
	2001	X	X	X	7,685,000
TOTAL	2002				977,879,000
	2001				1,167,996,000

^a Includes: Dairy and Poultry Manure.

^b Includes: Turkey Hatching Eggs, Chicken Eggs (Market & Hatching), and Wool.

Seed Crops

Seed crops more than doubled in value as more acres were used for miscellaneous seed crop production. The Cotton Seed price per unit helped the overall total value, with an increase of more than 38%.

Crop	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Cotton - Registered or Certified ^a	2002	3,411	X	3,480	Ton	220.00	766,000
	2001	3,116	X	3,120	Ton	159.00	496,000
Miscellaneous ^c	2002	687	X	X	X	X	369,000
	2001	62	X	X	X	X	65,600
TOTAL	2002	687					1,135,000
	2001	62					561,600

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

^c Includes: Alfalfa, Blackeye Cow Peas, Corn, Oats, and Sunflowers

Industrial Crops

The sharp decline in the board foot price along with the reduction in volume of timber harvested resulted in a 39% decrease in industrial commodities category for 2002.

Crop	Year	Production		Value	
		Total	Unit	Per Unit	Total
Timber harvested ^a	2002	4,844,000	Board Ft.	0.110	533,000
	2001	5,445,000	Board Ft.	0.281	1,530,000
Miscellaneous ^b	2002	X	X	X	1,253,000
	2001	X	X	X	1,403,000
TOTAL	2002				1,786,000
	2001				2,933,000

^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	2002	1,251,358	\$299,841,000
	2001	1,228,776	\$301,079,000
VEGETABLE CROP	2002	6,385	\$28,605,000
	2001	14,334	\$52,221,000
FRUIT & NUT CROPS	2002	310,454	\$1,362,392,900
	2001	312,881	\$1,370,288,000
NURSERY PRODUCTS	2002	X	\$70,463,000
	2001	X	\$65,175,000
APIARY PRODUCTS	2002	X	\$28,711,000
	2001	X	\$17,825,000
LIVESTOCK & POULTRY	2002	X	\$430,272,000
	2001	X	\$497,921,000 *
LIVESTOCK & POULTRY PRODUCTS	2002	X	\$977,879,000
	2001	X	\$1,167,996,000
SEED CROPS	2002	687	\$1,135,000
	2001	62	\$561,600
INDUSTRIAL CROPS	2002	X	\$1,786,000
	2001	X	\$2,933,000
GRAND TOTAL	2002	1,568,884	\$3,201,084,900
	2001	1,556,053	\$3,475,999,600 *

* Adjusted from 2001 crop report.

**Man, despite his artistic pretension, his sophistication and many accomplishments,
owes the fact of his existence to a six-inch layer of topsoil and the fact that it rains.**

- Anonymous -

MILLION DOLLAR PRODUCTS

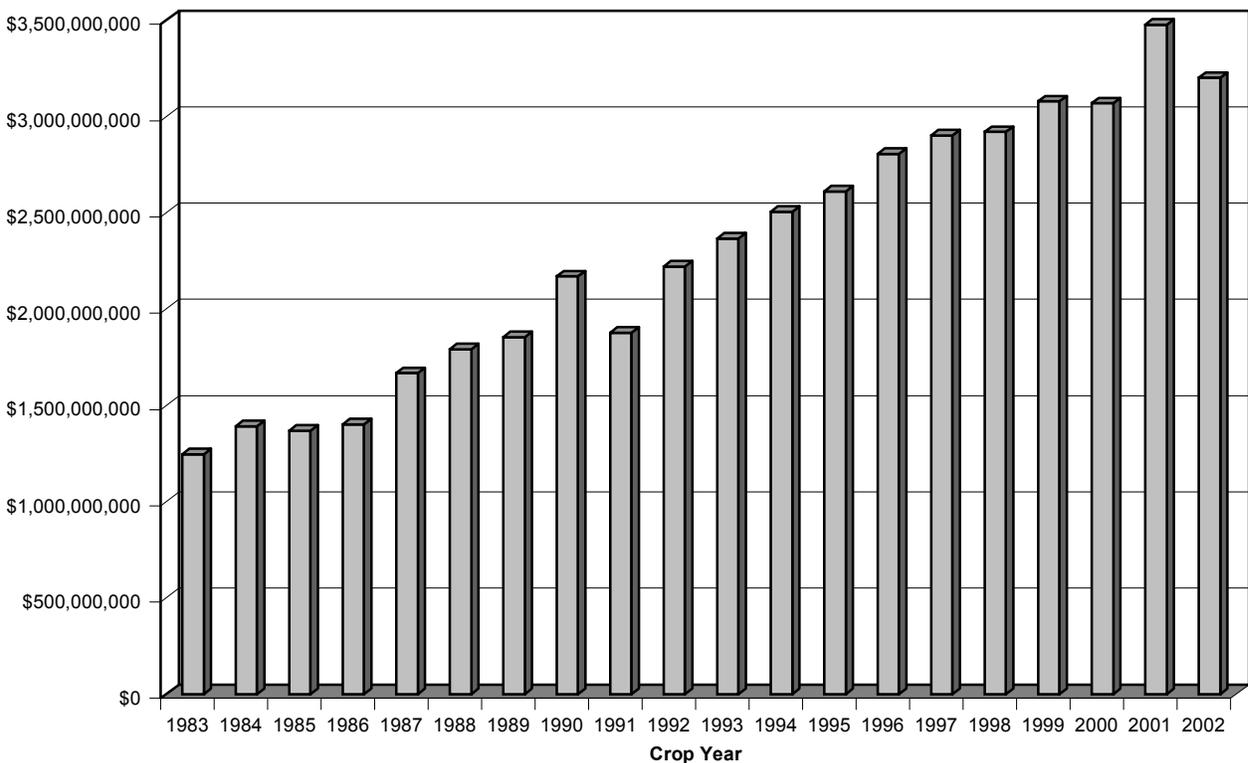
2002 Ranking		2002 Total Value	2001 Ranking
1	Milk	\$961,806,000	1
2	Oranges - Navel & Valencia	\$451,262,000	2
3	Grapes	\$399,772,000	4
4	Cattle & Calves	\$388,342,000	3
5	Peaches - Cling & Freestone	\$93,531,000	10
6	Alfalfa - Hay & Silage	\$90,868,000	5
7	Nectarines	\$78,588,000	8
8	Plums	\$76,029,000	6
9	Corn - Grain & Silage	\$71,916,000	9
10	Cotton - Lint & Seed	\$62,722,000	7
11	Nursery - Ornamental Trees & Shrubs	\$49,428,000	11
12	Pistachio Nuts	\$40,152,000	14
13	Almonds (Meats and Hulls)	\$35,888,000	17
14	Walnuts	\$31,780,000	13
15	Olives	\$28,908,000	12
16	Silage - Small Grain	\$26,968,000	20
17	Lemons	\$25,903,900	18
18	Tangerines	\$25,856,000	21
19	Pasture & Range	\$23,032,000	19
20	Honey	\$22,577,000	23
21	Hogs & Pigs	\$15,928,000	15
22	Cherries	\$15,010,000	24
23	Wheat - Grain & Seed	\$10,911,000	25
24	Kiwifruit	\$10,602,000	22
25	Prunes	\$8,552,000	26
26	Grapefruit	\$8,272,000	30
27	Turkeys	\$7,665,000	16
28	Manure	\$6,595,000	28
29	Snap Beans - Fresh	\$6,180,000	29
30	Pollination	\$5,960,000	37
31	Nursery - Grape & Berry Vines	\$5,883,000	32
32	Pomegranates	\$5,294,000	31
33	Persimmons	\$5,264,000	33
34	Nursery - Deciduous Fruit & Nut Trees	\$5,187,000	39
35	Nursery - Citrus & Subtropical Trees	\$5,113,000	35
36	Beans - Dry	\$4,229,000	38
37	Broccoli	\$3,982,000	27
38	Pears & Asian Pears	\$3,641,000	41
39	Apples	\$3,586,000	36
40	Apricots	\$2,880,000	34
41	Pecans	\$2,413,000	44
42	Sugar Beets	\$2,067,000	49
43	Avocados	\$2,011,000	45
44	Sudan Grass	\$1,712,000	46
45	Cauliflower	\$1,611,000	40
46	Quince	\$1,540,000	43
47	Cucumbers	\$1,537,000	42

**TWENTY YEAR COMPARISON OF AGRICULTURE
INCOME IN TULARE COUNTY
1983-2002**

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	3,475,999,600 *
1992	2,221,612,100	2002	3,201,084,900

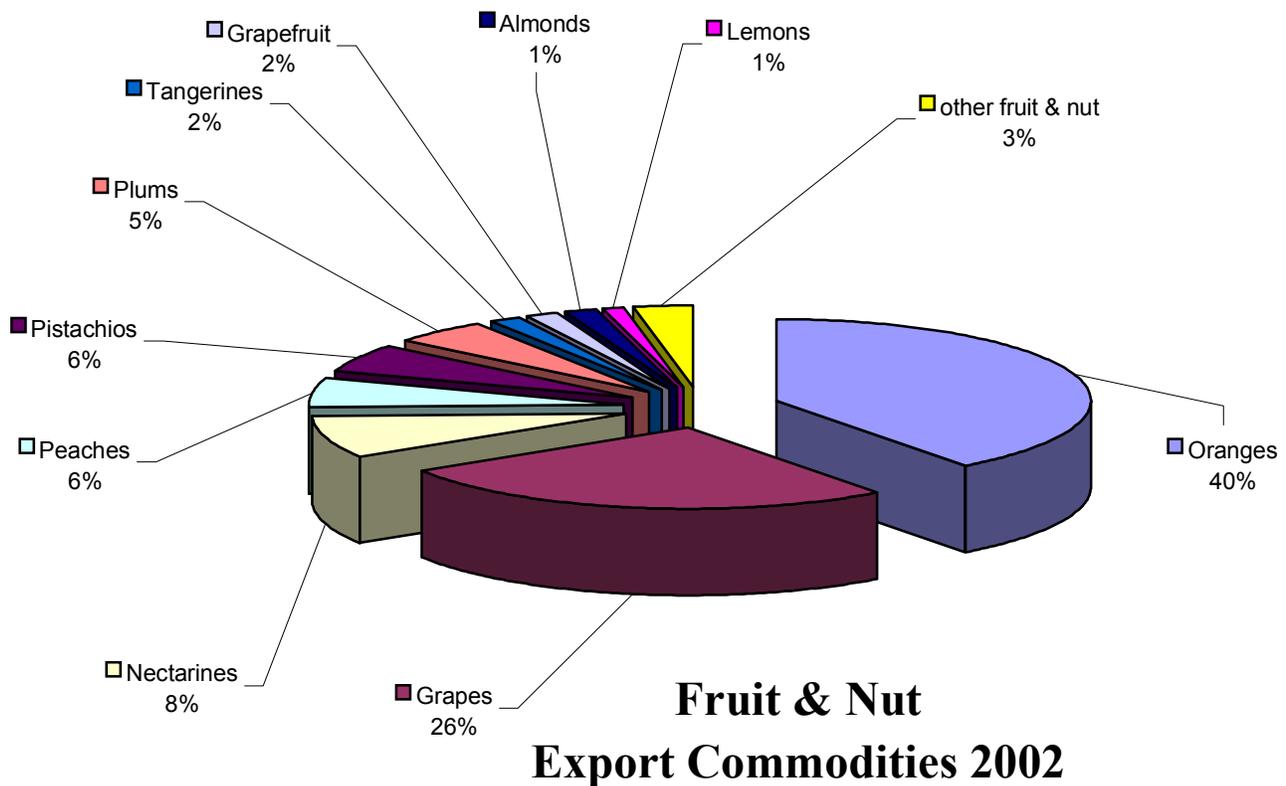
* Adjusted from 2001 crop report.

Tulare County 20 Year Comparison



STANDARD CARTON WEIGHTS (LBS.) FOR FRESH MARKET COMMODITIES

Almonds	50	Lemons	40
Apples	40	Nectarines	25
Apricots	24	Oranges	37½
Avocados	25	Peaches - Freestone	25
Beans, Snap	30	Pears, Asian Pears	11
Broccoli	23	Persimmons	11
Cauliflower	25	Pistachios (roasted)	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	7½		



2002 Crop Report - Exports

Rank	Country	Cartons	Rank	Country	Cartons	Rank	Country	Cartons
1	Republic of Korea	5,118,514	26	Thailand	73,810	51	Peru	3,411
2	Japan	3,741,979	27	France	72,111	52	Bahamas	3,193
3	Mexico	3,549,344	28	Netherlands	65,496	53	Denmark	3,010
4	Taiwan	3,350,918	29	Italy	53,107	54	Egypt	2,879
5	Philippines	593,865	30	Vietnam	52,515	55	French Polynesia	2,673
6	British Columbia	590,432	31	Bangladesh	50,601	56	Cambodia	2,515
7	Australia	502,336	32	Belgium	48,997	57	Sweden	2,420
8	New Zealand	411,274	33	Singapore	40,555	58	Czechoslovakia	1,913
9	Indonesia	405,477	34	Israel	22,448	59	Saudi Arabia	1,824
10	Macau	401,040	35	India	22,190	60	Mauritius	1,588
11	Peoples Republic of China	357,357	36	Trinidad & Tobago	21,002	61	Mongolia	1,554
12	Guatemala	334,374	37	United Arab Emirates	20,859	62	Ukraine	1,552
13	Germany	291,471	38	Norway	15,829	63	Guyana	1,200
14	El Salvador	219,240	39	Switzerland	13,203	64	Brunei Darussalam	1,140
15	Venezuela	216,930	40	Malaysia	12,860	65	Nepal	1,000
16	Hong Kong	198,194	41	Russian Federation	12,176	66	Algeria	878
17	Colombia	196,028	42	Sri Lanka	11,176	67	Kuwait	840
18	Costa Rica	190,670	43	Ethiopia	10,776	68	Chad	698
19	United Kingdom	105,239	44	South Africa	9,890	69	New Caledonia	693
20	Panama	96,425	45	Nicaragua	7,566	70	Belize	616
21	Dominican Republic	87,849	46	Brazil	6,865	71	Tajikistan	540
22	Canada	86,637	47	Republic of Moldova	6,039	72	Fiji	160
23	Ecuador	85,823	48	Romania	5,866	73	Chile	49
24	Honduras	82,328	49	Greece	5,852	74	Bolivia	1
25	Spain	80,873	50	Ireland	5,000	75	Latvia	1

Tulare County Sustainable Agricultural Reporting - 2002

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>	Upon demand
	Ladybird Beetle <i>Cleitostethus arcuatus</i>	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
Italian Thistle <i>Carduus pycnocephalus</i>	Seedhead Weevil <i>Rhinocylus conicus</i>	Upon demand
Milk Thistle <i>Silybum marianum</i>	Seedhead Weevil <i>Rhinocylus conicus</i>	1 site
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>	Upon demand
	Flower Weevil <i>Larinus curtus</i>	2 sites
	Hairy Weevil * <i>Eustenopus villosus</i>	1 site
	Peacock Fly <i>Chaetorellia succinea</i>	Upon demand
	Yellow Star Gall Fly <i>Urophora sirunaseva</i>	Upon demand

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

County Pest Detection

Target Pest	Number of Traps	Host Crops
European Corn Borer	10	Corn/Sorghum
European Pine Shoot Moth	10	Pines
Glassy-winged Sharpshooter	4221	Various Trees & Shrubs
Gypsy Moth	200	Shade Trees
Japanese Beetle	135	Turf & Flowers
Khapra Beetle	54	Stored Food Products
Mediterranean Fruit Fly	550	Fruit Trees
Melon Fruit Fly	180	Vegetables
Mexican/Caribbean Fruit Flies	303	Fruit Trees
Oriental Fruit Fly	180	Fruit Trees

County Pest Abatement Pest

Pest	Host Crops	Program Scope
Olive Fruit Fly <i>Bactrocera oleae</i>	Olive	1

County Pest Eradication Pest

Pest	Agent/Mechanism	Program Scope
Alligatorweed <i>Alternanthera philoxeroides</i>	Mechanical/Chemical Control	220 Plants
Pink Bollworm <i>Pectinophora gossypiella</i>	Mechanical/Host Free Period	50,655 Acres
Scotch Thistle <i>Onopordum acanthium</i>	Mechanical/Chemical Control	General Distribution

Registered Organic Farming Statistics

Grower	48
Acres	1624
Packers/Shippers	4
Certified Producers Certificates	156



**County Pest Exclusion
Pest Rejections**

	Setting	Program Scope
B - Rated Glassy-winged Sharpshooter <i>Homalodisca coagulata</i>	Incoming Shipments	28 rejections/returned or destroyed
Albopicta Scale <i>Acutaspis albopicta</i>	Incoming Shipment	1 rejection/destroyed
Burrowing Nematode <i>Radophilus similis</i>	Incoming Shipments	3 rejections/destroyed
Caribbean Fruit Fly <i>Anastrepha suspensa</i>	Incoming Shipments	4 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
European Pine Shoot Moth <i>Rhyacionia buoliana</i>	Incoming Shipment	1 rejection/destroyed
Gypsy Moth <i>Lymantria dispar</i>	Incoming Shipments	2 rejections/destroyed
Japanese Beetle <i>Popilla japonica</i>	Incoming Shipments	6 rejections/destroyed
Lesser Snow Scale <i>Pinnaspis strachani</i>	Incoming Shipments	3 rejections/destroyed
Magnolia White Scale <i>Pseudaulacaspis cockerelli</i>	Incoming Shipment	1 rejection/destroyed
Mexican Fruit Fly <i>Anastrepha ludens</i>	Incoming Shipment	1 rejection/destroyed
Ozonium Root Rot <i>Phymatotrichum omnivorum</i>	Incoming Shipment	1 rejection/destroyed
Plum Curculio/Apple & Blueberry Maggots <i>Conotrachelus nenuphar/Rhagoletis pomonella</i> & <i>Rhagoletis mendax</i>	Incoming Shipments	6 rejections/destroyed
Red Imported Fire Ant <i>Solenopsis invicta</i>	Incoming Shipments	3 rejections/destroyed
Citrus Pests	Incoming Shipments	5 rejections/destroyed
Markings	Incoming Shipments	129 rejections/destroyed or released
Pecan Pests	Incoming Shipments	2 rejections/destroyed

**County Pest Exclusion - Continued
Pest Rejections**

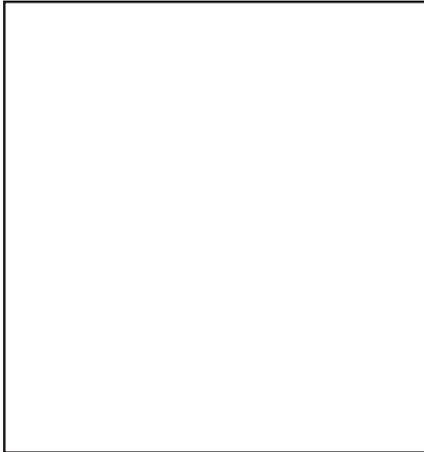
	Setting	Program Scope
Q- Rated Ant <i>Odontomachus</i> sp.	Incoming Shipment	1 rejection/destroyed
Q - Rated Armored Scales <i>Acutaspis perseae</i>	Incoming Shipments	2 rejections/destroyed
Q - Rated Bean Leaf-Beetle <i>Cerotoma trifurcata</i>	Incoming Shipment	1 rejection/destroyed
Q - Rated possible Black Thread Scale <i>Ischnaspis longirostris</i>	Incoming Shipment	1 rejection/destroyed
Q - Rated Gelechiid Moth	Incoming Shipment	1 rejection/destroyed
Q - Rated Leafhopper	Flea Market	1 rejection/destroyed
Q - Rated Lygaeid Bug (Myodochinae)	Incoming Shipment	Shipment returned to origin
Q - Rated Mango Shield Scale <i>Milviscutulus mangiferae</i>	Incoming Shipment	1 rejection/destroyed
Q - Rated Mealybug	Incoming Shipment	1 rejection/destroyed
Q - Rated Mirid Bug (Orthotylineae)	Incoming Shipment	1 rejection/destroyed
Q - Rated Palm Whitefly <i>Aleurocerus palmae</i>	Incoming Shipments	3 rejections/destroyed
Q - Rated Peel Miner <i>Marmara</i> sp.	Incoming Shipment	1 rejection/destroyed
Q - Rated Planthopper <i>Ormenaria rufofascia</i>	Incoming Shipments	3 rejections/destroyed
Q - Rated Proconiine Sharpshooter probably <i>Oncometopia</i> sp.	Incoming Shipments	3 rejections/destroyed
Q - Rated Whitefly <i>Aleurotulus</i> sp.	Incoming Shipment	1 rejection/destroyed

**Agriculture is the most healthful, most useful and most noble employment of man.
- George Washington -**

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World Ag Expo

4450 South Laspina Street
Tulare, CA 93274
559-688-1751

Rita B & Company

Nancy Lockwood - Principal
304 West Acequia Avenue
Visalia, CA 93291

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Bob Moore
Board Chairman
International Agri-Center, Inc.

The 37th annual World Ag Expo will be held February 10, 11 and 12 of 2004. For more information about the show, you can call 800-999-9186 or 559-688-1751 or visit www.farmshow.org.

