



# Tulare County Agricultural Commissioner/Sealer

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

A. G. Kawamura, Secretary  
California Department of Food and Agriculture

April 2009

and

The Honorable Board of Supervisors  
County of Tulare

Phillip Cox, Chairman  
Mike Ennis                      Allen Ishida  
Pete Vander Poel              J. Steven Worthley

Jean Rousseau – County Administrative Officer

It is my pleasure to submit the 2008 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.

Tulare County's total gross production value for 2008 is **\$5,018,022,800**. This represents an increase of \$143,983,800, or 3%, above 2007's value of \$4,874,039,000.

Milk once again remained the leading commodity with a total value of \$1,796,425,000, despite the decrease of 5% from last year's total. Milk represents 36% of the total crop and livestock value for 2008. Milk prices were lower in 2008 but production increased by 2%. Livestock and Poultry's gross value of \$602,761,000 represents an increase of 2% over that of 2007.

Fruit and Nut commodities were valued at \$1,835,198,000 representing an increase of 3%. Increased yields were seen in a variety of fruits, including Grapes, Oranges, Peaches and Plums. Fresh citrus crops experienced a 58% increase in total production and a 25% increase in total value in 2008, as trees recovered from the January 2007 freeze. Total value of all field crops was \$630,631,000 for 2008, an increase of 37% from the previous year. Prices were generally higher for forage crops including: Corn, Alfalfa, and Small Grain Silage. Nursery Products were valued at \$85,413,000 representing a decrease of 5% from 2007. The total value of Apiary Products for 2008 was \$36,503,000, an increase of 34% when compared to the previous year. Honey yields were high and prices were strong.

Tulare County's agricultural strength is based on the diversity of the crops produced. The 2008 report covers more than 120 different commodities. Forty-five of these commodities have a gross value in excess of \$1,000,000. Although individual commodities may experience difficulties from year to year, Tulare County continues to produce high-quality crops that provide food and fiber to more than 80 countries throughout the world.

I wish to express my sincere appreciation to the many producers, processors, and agencies, both private and public, which supported our efforts in producing this report. I would also like to thank all the members of my staff, particularly Samantha Durborow and Dennis Haines. Without their hard work and valuable input, the publication of this report would have been impossible.

Respectfully submitted,

Gary Kunkel  
Agricultural Commissioner/Sealer

**Agricultural Commissioner/Sealer of Weights & Measures**

Gary W. Kunkel

**Assistant Agricultural Commissioner/Sealer**

William R. Appleby

**Deputy Agricultural Commissioner/Sealer**

Brian Cox    Billy Deavours    Marilyn Kinoshita

**Systems and Procedures Analyst**

David Greenwood (Consultant)

**Supervising Agricultural & Standards Inspectors**

Donald Borges    David Case    Rafael Garcia Jr.    Jerry McElhaney

**Agricultural Staff Biologist**

R. Dennis Haines

**District Agricultural & Standards Inspectors**

Karrie Batchelor	Roy Fontaine	Kurt Kilburn	Robert Milner	Stoney Savage
Dan Bigham	Chris Francone	Kelly LeGrand	Gabriella Nunez	Curt Steggall
Steven Brown	David Gould	Robert Mann	Jim Qualls	Deo Tigulo
Scott Cornett	Gavin Iacono	Craig Mills	Rhonda Rico	Ben Yosako
Greg Dunbar				Rick Yraceburu

**Agricultural & Standards Inspectors**

Brienne Alexander	David Brasher	Alejandro Del Rio	Janelle Malek	Ivan Ramirez
Dexter Bennett	David Bryant	Samantha Durborow	Ramphal Mann	Homero Romero
Page Berquist	Ronnie Capili	Guy Eubank	Melinda Mills	Salome Ruedas
Joseph Berry	Marvin Clark	Sabrina Gilbert	Robert Miranda	Michelle Stanley
Richard Bramer	Khamla Collins	Rebecca Huerta	Martin Munoz	George Tucker
Judith Brant	Kristyna Cotta	Tesfaye Jimma	Melissa Partin	Janel Young

**Extra Help Inspector Aides & Pest Detection Trappers**

Bruce Akin	Robert Fallert Jr.	Ricky Meraz	Sharon Plum	Derek Taylor
Donald Conner	Cordie Foster	Billy Mittel	Joseph Rico	Deo Tigulo
Wade DeCesare	Katrina Jones	Sena Morris	Rolando Rodriguez	Shelly Ward
Brian Dias	Franklin McGrew	Eusebio Perez Jr.	Mario Sagredo	Maynard Watts
Anabel Escalante	Teena Mendoza		Evan Sutherland	Ashlee Wells

**Staff Services Analyst II**

Brenda Plum

**Senior Account Clerk**

Patricia McCurry

**Office Assistant III**

Diana Cisneros    Anita Letsinger    Annette Castro    Margie Renfro    Ellen Stafford

**Tulare County Agricultural Offices**

TULARE	4437 South Laspiña Street, Suite A	(559) 685-3323
AG WAREHOUSE	14173 Avenue 256	(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
PORTERVILLE	75 West Olive, Suite D	(559) 782-4787
WOODLAKE	250 Antelope, Suite L	(559) 564-8320



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## TULARE COUNTY PERMANENT PLANTING ACREAGE

	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
<b><u>CITRUS</u></b>			
Grapefruit & Pomelos	1,060	543	1,603
Lemons	3,720	839	4,559
Navels	74,900	2,550	77,450
Valencias	18,900	97	18,997
Tangerines & Tangelos	8,370	1,640	10,010
Other Citrus <sup>a</sup>	13	1	14
<b>Total Citrus</b>	<b>106,963</b>	<b>5,670</b>	<b>112,633</b>
<b><u>DECIDUOUS &amp; GRAPES</u></b>			
Almonds	24,800	1,550	26,350
Apples	153	0	153
Apricots	322	10	332
Avocados	248	0	248
Blueberries	1,020	115	1,135
Cherries	1,350	495	1,845
Figs	19	0	19
Grapes			
Raisin	19,600	199	19,799
Table	29,000	536	29,536
Wine	9,800	0	9,800
Kiwifruit	1,860	0	1,860
Nectarines	11,400	364	11,764
Olives	12,600	192	12,792
Peaches			
Cling	1,030	37	1,067
Freestone	11,600	595	12,195
Pears & Asian Pears	299	0	299
Pecans	611	95	706
Persimmons	733	31	764
Pistachios	16,100	9,360	25,460
Plums	13,000	458	13,458
Pomegranates	1,920	1,350	3,270
Prunes-Dried Plums	3,640	337	3,977
Quince	175	0	175
Walnuts	27,200	1,210	28,410
Miscellaneous <sup>b</sup>	1,300	118	1418
<b>TOTAL</b>			
Total Grapes	58,400	735	59,135
Total Orchard Crops	238,343	21,987	260,330
<b>GRAND TOTAL</b>	<b>296,743</b>	<b>22,722</b>	<b>319,465</b>

<sup>a</sup> Includes Citron, Kumquat and Lime

<sup>b</sup> Includes Guava/Papaya, Jujubes, Plumcots, and Pluots

## Field Crops

The total value for Field Crops grew by 37%, or \$171,617,000, in 2008. The increase was due in large part to the upward trend of prices for grain and forage products. Cotton acreage decreased by 45%, resulting in a 45%, or \$15,875,000, decrease in its total value.

Crop	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Alfalfa - Hay	2008	102,000	9.50	969,000	Ton	213.00	206,397,000
	2007	96,600	8.85	855,000	Ton	186.00	159,030,000
Silage <sup>a</sup>	2008	X	2.67	182,000	Ton	50.30	9,155,000
	2007	X	2.63	169,000	Ton	31.70	5,357,000
Barley - Grain	2008	1,040	0.59	614	Ton	256.00	157,000
	2007	964	0.82	790	Ton	170.00	134,000
Beans - Dry	2008	1,930	1.36	2,620	Ton	866.00	2,269,000
	2007	4,540	1.77	8,040	Ton	761.00	6,118,000
Corn - Grain	2008	13,600	5.75	78,200	Ton	207.00	16,187,000
	2007	13,200	5.63	74,300	Ton	165.00	12,260,000
Silage	2008	159,000	25.60	4,070,000	Ton	48.50	197,395,000
	2007	148,000	27.70	4,100,000	Ton	32.70	134,070,000
Cotton - Lint <sup>b</sup>	2008	12,600	1,540.00	39,200	Bale	76.00	14,896,000
	2007	23,100	1,560.00	72,800	Bale	76.70	27,919,000
Seed	2008	X	X	15,700	Ton	274.00	4,302,000
	2007	X	X	29,200	Ton	245.00	7,154,000
Pasture & Range (Irrigated)	2008	93,000	X	X	Acre	175.00	16,275,000
	2007	92,600	X	X	Acre	140.00	12,964,000
Native	2008	615,000	X	X	Acre	14.50	8,918,000
	2007	615,000	X	X	Acre	16.00	9,840,000
Other	2008	76,000	X	X	Acre	25.00	1,900,000
	2007	76,700	X	X	Acre	25.00	1,918,000
Silage - Small Grain <sup>c</sup>	2008	121,000	17.10	2,069,000	Ton	39.70	82,139,000
	2007	115,000	17.10	1,966,000	Ton	28.00	55,048,000
Sorghum Grain	2008	10,300	2.66	27,400	Ton	164.00	4,494,000
	2007	7,800	2.51	19,600	Ton	149.00	2,920,000
Sudan Grass <sup>d</sup>	2008	14,600	11.50	168,000	Ton	34.50	5,796,000
	2007	8,940	12.30	110,000	Ton	27.60	3,036,000

## Field Crops continued

Crop	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Wheat – Grain <sup>f</sup>	2008	46,300	3.21	149,000	Ton	269.00	40,081,000
	2007	26,700	2.26	60,300	Ton	168.00	10,130,000
Miscellaneous <sup>e</sup>	2008	39,800	X	X	X	X	20,270,000
	2007	20,700	X	X	X	X	11,116,000
TOTAL	2008	1,306,170					\$630,631,000
	2007	1,249,844					\$459,014,000

<sup>a</sup> Green weight basis

<sup>b</sup> Yield per acre in pounds lint, production total in 495 lbs net weight bales, unit value in dollars per lint hundredweight

<sup>c</sup> Includes Barley, Sorghum, Wheat, and Winter Forage

<sup>d</sup> Sudan Grass reported as green chop

<sup>e</sup> Includes Bean Screenings, Bean Straw, Corn Stalks, Oat Grain, Oat Hay, Rye, Grain Straw, Safflower, and Sugar Beets

<sup>f</sup> Includes Triticale

## Vegetable Crops

In 2008 total value for Vegetable Crops increased by \$628,000 and total vegetable acreage decreased by 2%. The majority of the acreage decrease occurred in succulent beans, with a 60% decrease in acreage being harvested. Tulare County produces more than 34 different types of vegetables.

Crop	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Broccoli - Processed	2008	705	7.04	4,960	Ton	334.00	1,657,000
	2007	690	6.60	4,550	Ton	380.00	1,729,000
Cucumbers	2008	447	8.15	3,640	Ton	492.00	1,791,000
	2007	448	8.38	3,750	Ton	422.00	1,582,000
Beans - Succulent	2008	262	1.32	346	Ton	873.00	302,000
	2007	649	1.27	824	Ton	837.00	690,000
Sweet Corn	2008	160	6.15	984	Ton	617.00	607,000
	2007	198	6.33	1,250	Ton	625.00	781,000
Miscellaneous <sup>a</sup>	2008	3,330	X	X	X	X	11,758,000
	2007	3,010	X	X	X	X	10,705,000
TOTAL	2008	4,904					\$16,115,000
	2007	4,995					\$15,487,000

<sup>a</sup> Includes Artichokes, Asparagus, Assorted Peppers, Assorted Greens, Beets, Cabbage, Cactus, Carrots, Cauliflower, Cilantro, Collards, Eggplant, Garlic, Gourds, Herbs, Kale, Lettuce, Melon-Cantaloupe, Melons-Assorted, Mushrooms, Mustard, Okra, Onions, Peas, Potatoes, Pumpkins, Spinach, Sprouts, Squash, Tomatillos, Tomatoes (Fresh and Processed), Turnips, Watermelon, and Zucchini

## Fruit and Nut Crops

Fruit and Nut crops increased in total value by 3%, or \$59,104,000, in 2008. The total value of grapes increased by 2%, or \$10,412,000. Per unit prices in peaches, plums and nectarines showed a decrease from 2007 prices. Citrus production rebounded from the 2007 January freeze with high yields, causing the total value of navel and valencia oranges to increase by 11%, or \$59,193,000.

Crop	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Almonds - Meats	2008	24,800	1.11	27,500	Ton	2,990.00	82,225,000
	2007	22,100	0.96	21,200	Ton	3,690.00	78,228,000
Hulls	2008	X	X	56,400	Ton	127.00	7,163,000
	2007	X	X	43,500	Ton	113.00	4,916,000
Apricots	2008	322	8.20	2,640	Ton	1,340.00	3,538,000
	2007	357	5.69	2,030	Ton	1,020.00	2,071,000
Blueberries	2008	1,020	5.11	5,210	Ton	6,400.00	33,344,000
	2007	627	5.47	3,430	Ton	4,990.00	17,116,000
Cherries	2008	1,350	4.21	5,680	Ton	4,290.00	24,367,000
	2007	1,190	3.44	4,090	Ton	4,880.00	19,959,000
Grapes - Total	2008	58,400	X	X	X	X	488,035,000
	2007	60,200	X	X	X	X	477,623,000
Raisin Varieties	2008	19,600	12.50	X	X	X	X
	2007	21,400	8.44	X	X	X	X
Canned	2008	X	X	22,400	Ton	288.00	6,451,000
	2007	X	X	18,500	Ton	280.00	5,180,000
Crushed <sup>a</sup>	2008	X	X	42,100	Ton	211.00	8,883,000
	2007	X	X	32,900	Ton	152.00	5,001,000
Dried <sup>b</sup>	2008	X	X	22,400	Ton	1,160.00	25,984,000
	2007	X	X	15,500	Ton	1,150.00	17,825,000
Fresh	2008	X	X	69,600	Ton	1,340.00	93,264,000
	2007	X	X	54,900	Ton	1,240.00	68,076,000
Table Varieties	2008	29,000	9.21	X	X	X	X
	2007	28,600	8.57	X	X	X	X
Crushed	2008	X	X	50,000	Ton	181.00	9,050,000
	2007	X	X	26,100	Ton	165.00	4,306,000
Fresh	2008	X	X	217,000	Ton	1,400.00	303,800,000
	2007	X	X	219,000	Ton	1,590.00	348,210,000
Wine Varieties	2008	9,800	14.80	X	X	X	X
	2007	10,200	12.10	X	X	X	X
Crushed	2008	X	X	141,000	Ton	267.00	37,647,000
	2007	X	X	119,000	Ton	223.00	26,537,000
Juice	2008	X	X	3,920	Ton	754.00	2,956,000
	2007	X	X	3,930	Ton	633.00	2,488,000

**Fruit and Nut Crops** continued

Crop	Year	Production				Value	
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Grapefruit - Fresh <sup>c</sup>	2008	1,060	12.40	13,100	Ton	504.00	6,602,000
	2007	1,620	9.86	16,000	Ton	665.00	10,640,000
Kiwifruit	2008	1,860	7.14	13,300	Ton	1,530.00	20,349,000
	2007	2,010	8.30	16,700	Ton	1,780.00	29,726,000
Lemons - Fresh	2008	3,720	8.85	32,900	Ton	1,440.00	47,376,000
	2007	3,930	8.62	33,900	Ton	1,140.00	38,646,000
Nectarines - Fresh	2008	11,400	7.12	81,200	Ton	737.00	59,844,000
	2007	11,500	8.41	96,700	Ton	782.00	75,619,000
Olives	2008	12,600	1.81	22,800	Ton	935.00	21,318,000
	2007	11,500	4.18	48,100	Ton	946.00	45,503,000
Oranges - Navels	2008	74,900	14.50	782,000	Ton	585.00	457,470,000
	2007	73,600	11.50	492,000	Ton	767.00	377,364,000
Processed	2008	X	X	304,000	Ton	54.00	16,416,000
	2007	X	X	356,000	Ton	107.00	38,092,000
Oranges - Valencia	2008	18,900	16.80	201,000	Ton	520.00	104,520,000
	2007	19,700	12.00	132,000	Ton	795.00	104,940,000
Processed	2008	X	X	117,000	Ton	123.00	14,391,000
	2007	X	X	104,000	Ton	127.00	13,208,000
Peaches - Cling	2008	1,030	17.20	17,700	Ton	321.00	5,682,000
	2007	1,290	16.00	20,600	Ton	270.00	5,562,000
Peaches - Freestone	2008	11,600	10.50	68,000	Ton	875.00	59,500,000
	2007	12,900	10.30	79,600	Ton	908.00	72,277,000
Processed	2008	X	X	53,800	Ton	224.00	12,051,000
	2007	X	X	53,000	Ton	208.00	11,024,000
Pears & Asian Pears	2008	299	6.72	2,010	Ton	2,500.00	5,025,000
	2007	330	6.08	2,010	Ton	1,790.00	3,598,000
Pecans	2008	611	1.42	868	Ton	2,790.00	2,422,000
	2007	584	1.18	689	Ton	3,860.00	2,660,000
Persimmons	2008	733	6.70	4,910	Ton	1,760.00	8,642,000
	2007	512	7.01	3,590	Ton	1,120.00	4,021,000
Pistachio Nuts	2008	16,100	1.21	19,500	Ton	4,030.00	78,585,000
	2007	12,800	1.94	24,800	Ton	3,200.00	79,360,000
Plums - Fresh	2008	13,000	7.83	102,000	Ton	755.00	77,010,000
	2007	12,800	7.32	93,700	Ton	873.00	81,800,000
Pomegranates	2008	1,920	4.19	8,040	Ton	1,350.00	10,854,000
	2007	1,400	5.08	7,110	Ton	1,230.00	8,745,000



# Fruit and Nut Crops continued

Crop	Year	Production				Value	
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Prunes - Dried Plums <sup>d</sup>	2008	3,640	2.22	8,080	Ton	1,360.00	10,989,000
	2007	4,440	1.52	6,750	Ton	1,440.00	9,720,000
Quince	2008	175	5.05	884	Ton	1,780.00	1,574,000
	2007	208	5.35	1,110	Ton	1,760.00	1,954,000
Tangerines <sup>e</sup>	2008	8,370	9.55	79,900	Ton	1,080.00	86,292,000
	2007	5,080	5.46	27,700	Ton	1,170.00	32,409,000
Walnuts	2008	27,200	2.15	58,500	Ton	1,310.00	76,635,000
	2007	25,900	1.81	46,900	Ton	2,540.00	119,126,000
Miscellaneous <sup>f</sup>	2008	1,907	X	X	X	X	12,979,000
	2007	1,878	X	X	X	X	10,187,000
TOTAL	2008	296,917					\$1,835,198,000
	2007	288,456					\$1,776,094,000

<sup>a</sup> Includes green weight raisins for distillery materials and juice pack

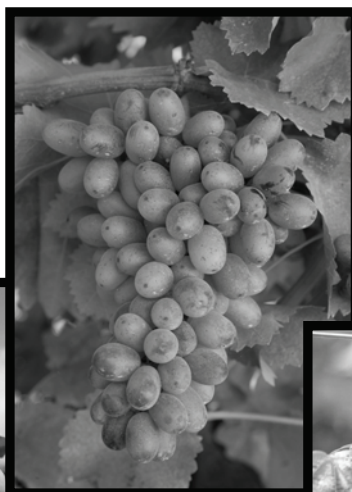
<sup>b</sup> Combined value reflecting free and reserve tonnage

<sup>c</sup> Includes Pomelos and Hybrids

<sup>d</sup> Yield is dry weight basis

<sup>e</sup> Includes Mandarins, Tangelos and Tangors

<sup>f</sup> Includes Avocados, Apples, Bushberries, Citron, Chestnuts, Figs, Jujubes, Limes, Plumcots, Pluots, Processed Grapefruit, Processed Lemons, Processed Tangerines, and Strawberries.



## Nursery Products

Nursery Products experienced a 5%, or \$4,771,000, decrease in total value from 2007. Ornamental Trees and Shrubs had a 4% decrease in total value and constituted 75% of the entire total value in Nursery Products. Citrus and Subtropical Trees had a 23% decrease in quantity sold and a 22% decrease in total value.

Crop	Year	Production			Value	
		Quantity Sold	Unit	Per Unit	Total	
Citrus & Subtropical Trees	2008	555,000	Each	9.09	5,045,000	
	2007	719,000	Each	8.99	6,464,000	
Deciduous Fruit & Nut Trees	2008	500,000	Each	7.08	3,540,000	
	2007	513,000	Each	7.49	3,842,000	
Grape & Berry Vines	2008	2,489,000	Each	3.30	8,214,000	
	2007	3,614,000	Each	2.22	8,023,000	
Ornamental Trees & Shrubs	2008	5,822,000	Each	11.00	64,042,000	
	2007	7,178,000	Each	9.31	66,827,000	
Miscellaneous <sup>a</sup>	2008	X	X	X	4,572,000	
	2007	X	X	X	5,028,000	
TOTAL	2008				\$85,413,000	
	2007				\$90,184,000	

<sup>a</sup> Includes Citrus (Buds, Cuttings, & Scions), Christmas Trees, Cut Flowers, Foliage Plants, Irises, Landscape Olive Trees, Turf, and Vegetable Flats

## Apiary Products

Apiary products experienced a 34%, or \$9,332,000, increase in total value from 2007. High prices, in addition to a 36% increase in total honey production helped contribute to this increase. Beeswax production more than doubled, resulting in a \$309,000 increase in its total value.

Crop	Year	Production			Value	
		Total	Unit	Per Unit	Total	
Honey – Orange <sup>a</sup>	2008	16,285,000	Pound	1.40	22,799,000	
	2007	12,105,000	Pound	1.13	13,679,000	
Other	2008	2,110,000	Pound	1.22	2,574,000	
	2007	1,444,000	Pound	0.87	1,256,000	
Beeswax	2008	244,000	Pound	2.06	503,000	
	2007	109,000	Pound	1.78	194,000	
Pollination <sup>b</sup>	2008	123,000	Colony	86.40	10,627,000	
	2007	142,000	Colony	84.80	12,042,000	
TOTAL	2008				\$36,503,000	
	2007				\$27,171,000	

<sup>a</sup> From bee colonies registered in Tulare County during the 2008 citrus bloom period

<sup>b</sup> Estimated number of colonies required for adequate pollination

## Livestock & Poultry

Livestock and Poultry values experienced a 2%, or \$11,402,000, increase in total value in 2008. The total number of all head sold increased by 10%, or 140,200. Cattle and calf per head values decreased by 4%, while lamb, hog and pig per unit values remained steady.

Crop	Year	No. of Head	Total Liveweight	Unit	Value	
					Per Unit	Total
Cattle & Calves	2008	638,000	X	Head	787.00	502,106,000
	2007	615,000	X	Head	817.00	502,455,000
Lambs	2008	15,300	1,453,000	Pound	0.91	1,322,000
	2007	15,100	1,430,000	Pound	0.91	1,301,000
Hogs & Pigs	2008	277,000	X	Head	110.00	30,470,000
	2007	227,000	X	Head	111.00	25,197,000
Turkeys	2008	577,000	16,715,000	Pound	0.57	9,528,000
	2007	510,000	15,870,000	Pound	0.41	6,507,000
Miscellaneous <sup>a</sup>	2008	X	X	X	X	59,335,000
	2007	X	X	X	X	55,899,000
TOTAL	2008					\$602,761,000
	2007					\$591,359,000

<sup>a</sup> Includes Aquaculture, Beneficial Organisms, Chicken Fryers, Fryer Chicks, Game Birds, Goats, Pullet Chicks, Sheep, and Turkey Breeders

## Livestock & Poultry Products

Livestock & Poultry Products' gross value decreased 6%, or \$105,588,000, in 2008. Milk prices decreased, causing the total value for all milk to decrease by 5%. Total milk production increased by 2%.

Crop	Year	Production		Unit	Value	
		Total			Per Unit	Total
Manure <sup>a</sup>	2008	2,642,000		Ton	1.07	2,827,000
	2007	2,555,000		Ton	1.03	2,632,000
Milk – Market	2008	105,878,000		Cwt.	16.60	1,757,575,000
	2007	103,444,000		Cwt.	17.90	1,851,648,000
Manufacturing	2008	2,100,000		Cwt.	18.50	38,850,000
	2007	2,411,000		Cwt.	19.00	45,809,000
Miscellaneous <sup>b</sup>	2008	X		X	X	6,926,000
	2007	X		X	X	11,677,000
TOTAL	2008					\$1,806,178,000
	2007					\$1,911,766,000

<sup>a</sup> Includes Dairy and Poultry Manure.

<sup>b</sup> Includes Turkey Hatching Eggs, Chicken Eggs (Market & Hatching), Goat Milk, and Wool

## Seed Crops

The total value of Seed Crops more than doubled in 2008. Seed cotton acreage increased by 57%, which helped to contribute to the 59%, or \$719,000, increase in its total value. Miscellaneous seed crops had an increase in harvested acreage and an increase in total value.

Crop	Year	Production			Value		
		Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Cotton – Foundation, Registered & Certified <sup>a</sup>	2008	4,520	X	5,600	Ton	346.00	1,938,000
	2007	2,880	X	3,640	Ton	335.00	1,219,000
Miscellaneous <sup>b</sup>	2008	367	X	X	X	X	1,434,000
	2007	108	X	X	X	X	170,000
TOTAL	2008	367					\$3,372,000
	2007	108					\$1,389,000

<sup>a</sup> Not included in total acreage for “Seed Crops”

<sup>b</sup> Includes Cowpea and Walnut seed

## Industrial Crops

Industrial Crops had a total value of \$1,851,800, which was an increase of 18%, or \$276,800, in 2008. The value of miscellaneous industrial crops increased by 39%, or \$505,000.

Crop	Year	Production		Value	
		Total	Unit	Per Unit	Total
Timber harvested <sup>a</sup>	2008	1,028,000	Board Ft.	0.066	67,800
	2007	1,743,000	Board Ft.	0.170	296,000
Miscellaneous <sup>b</sup>	2008	X	X	X	1,784,000
	2007	X	X	X	1,279,000
TOTAL	2008				\$1,851,800
	2007				\$1,575,000

<sup>a</sup> 2007 year's production and value updated based on information provided by Timber Tax Division, Property Taxes Dept., State Board of Equalization.

<sup>b</sup> Includes Almond Shells, Biomass, Firewood, and Walnut Burls

**“The greatest service which can be rendered any country is to add a useful plant to its culture.”**

**-Thomas Jefferson**



## SUMMARY

COMMODITY	YEAR	HARVESTED ACREAGE	VALUE
FIELD CROPS	2008	1,306,170	\$630,631,000
	2007	1,249,844	\$459,014,000
VEGETABLE CROPS	2008	4,904	\$16,115,000
	2007	4,995	\$15,487,000
FRUIT & NUT CROPS	2008	296,917	\$1,835,198,000
	2007	288,456	\$1,776,094,000
NURSERY PRODUCTS	2008	X	\$85,413,000
	2007	X	\$90,184,000
APIARY PRODUCTS	2008	X	\$36,503,000
	2007	X	\$27,171,000
LIVESTOCK & POULTRY	2008	X	\$602,761,000
	2007	X	\$591,359,000
LIVESTOCK & POULTRY PRODUCTS	2008	X	\$1,806,178,000
	2007	X	\$1,911,766,000
SEED CROPS	2008	367	\$3,372,000
	2007	108	\$1,389,000
INDUSTRIAL CROPS	2008	X	\$1,851,800
	2007	X	\$1,575,000
GRAND TOTAL	2008	1,608,358	\$5,018,022,800
	2007	1,543,403	\$4,874,039,000



**“Farming looks mighty easy when your plow is a pen and you’re a thousand miles from the corn field.”  
-Dwight Eisenhower**



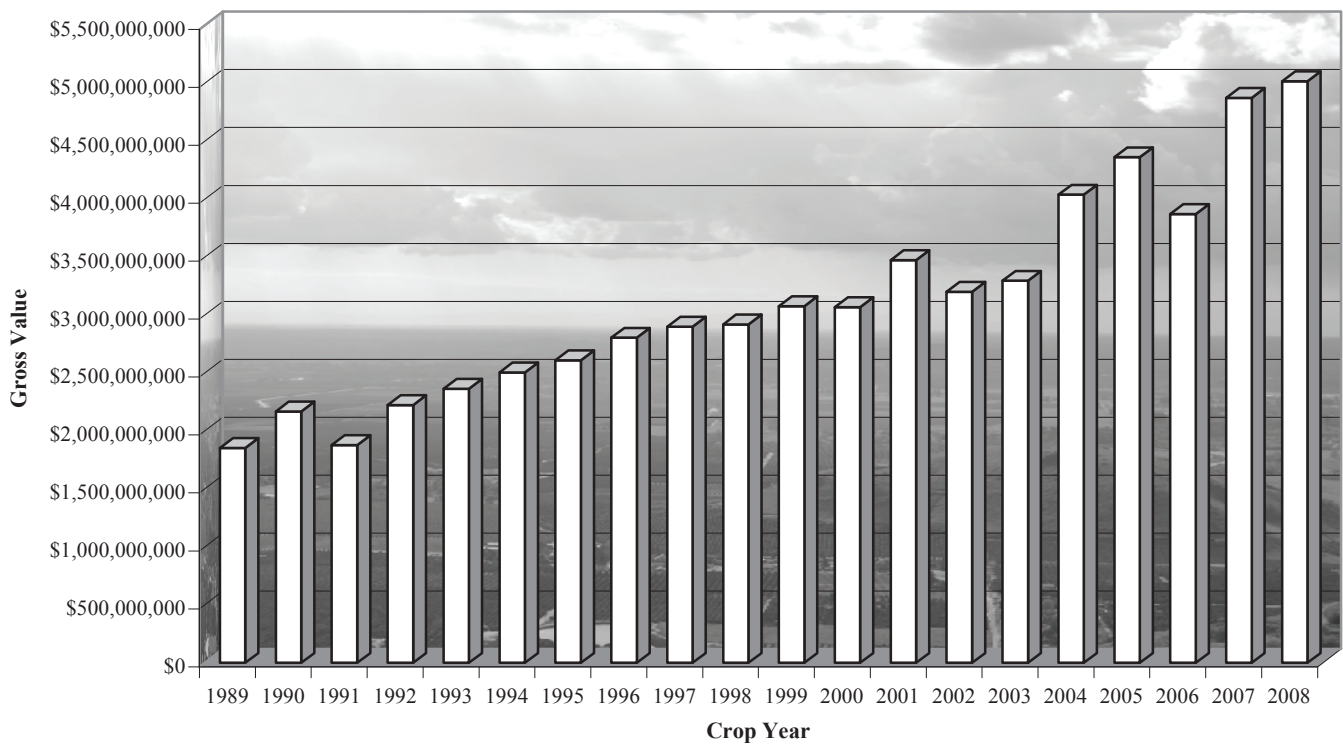
# MILLION DOLLAR PRODUCTS

<u>2008 Ranking</u>	<u>2008 Total Value</u>	<u>2007 Ranking</u>
1 Milk	\$1,796,425,000	1
2 Oranges - Navel & Valencia	\$592,797,000	2
3 Cattle & Calves	\$502,106,000	3
4 Grapes	\$488,035,000	4
5 Alfalfa - Hay & Silage	\$215,552,000	5
6 Corn - Grain & Silage	\$213,582,000	6
7 Almonds- Meats & Hulls	\$89,388,000	9
8 Tangerines - Fresh	\$86,292,000	18
9 Silage - Small Grain	\$82,139,000	14
10 Pistachio Nuts	\$78,585,000	11
11 Peaches - Cling & Freestone	\$77,233,000	8
12 Plums	\$77,010,000	10
13 Walnuts	\$76,635,000	7
14 Nursery - Ornamental Trees & Shrubs	\$64,042,000	13
15 Nectarines	\$59,844,000	12
16 Lemons - Fresh	\$47,376,000	16
17 Wheat - Grain	\$40,081,000	27
18 Blueberries	\$33,344,000	23
19 Hogs & Pigs	\$30,470,000	20
20 Pasture & Range	\$27,093,000	21
21 Honey	\$25,373,000	24
22 Cherries	\$24,367,000	22
23 Olives	\$21,318,000	15
24 Cotton - Lint & Seed	\$21,136,000	17
25 Kiwifruit	\$20,349,000	19
26 Prunes	\$10,989,000	28
27 Pomegranates	\$10,854,000	29
28 Pollination	\$10,627,000	25
29 Turkeys	\$9,528,000	31
30 Persimmons	\$8,642,000	34
31 Nursery - Grape & Berry Vines	\$8,214,000	30
32 Grapefruit	\$6,602,000	26
33 Sudan Grass	\$5,796,000	37
34 Nursery - Citrus & Subtropical Trees	\$5,045,000	32
35 Pears & Asian Pears	\$5,025,000	36
36 Sorghum - Grain	\$4,494,000	38
37 Nursery - Deciduous Fruit & Nut Trees	\$3,540,000	35
38 Apricots	\$3,538,000	41
39 Manure	\$2,827,000	40
40 Pecans	\$2,422,000	39
41 Beans - Dry	\$2,269,000	33
42 Cucumbers	\$1,791,000	44
43 Broccoli	\$1,657,000	43
44 Quince	\$1,574,000	42
45 Lambs	\$1,322,000	45

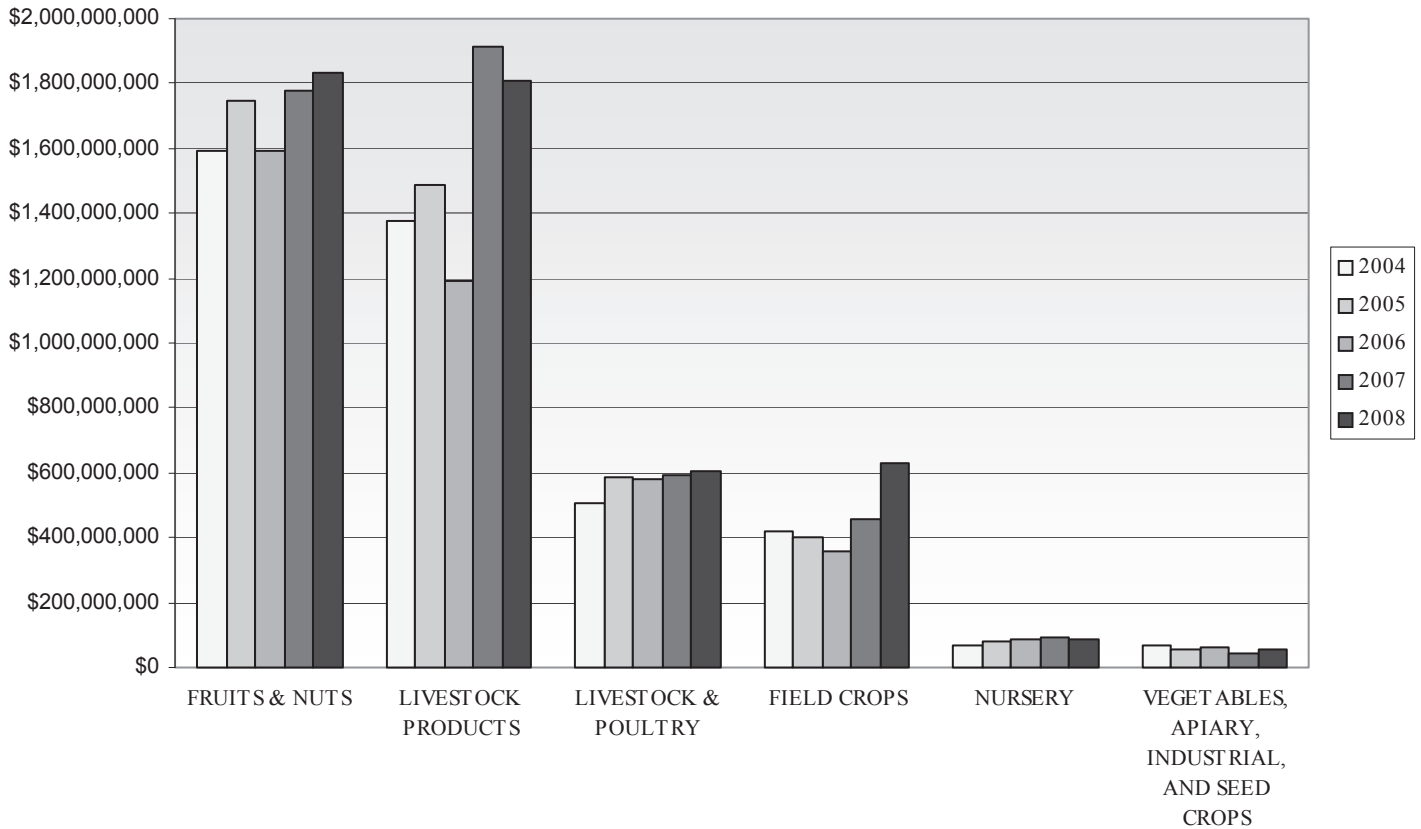
## Twenty-Year Comparison of Agriculture Value in Tulare County 1989-2008

1989	\$1,853,151,600	1999	\$3,078,369,000
1990	\$2,169,448,000	2000	\$3,068,648,200
1991	\$1,878,425,000	2001	\$3,475,999,600
1992	\$2,224,612,000	2002	\$3,201,084,900
1993	\$2,365,202,000	2003	\$3,296,522,000
1994	\$2,504,944,000	2004	\$4,039,524,000
1995	\$2,611,088,000	2005	\$4,362,738,000
1996	\$2,805,452,000	2006	\$3,872,059,700
1997	\$2,900,892,000	2007	\$4,874,039,000
1998	\$2,919,528,800	2008	\$5,018,022,800

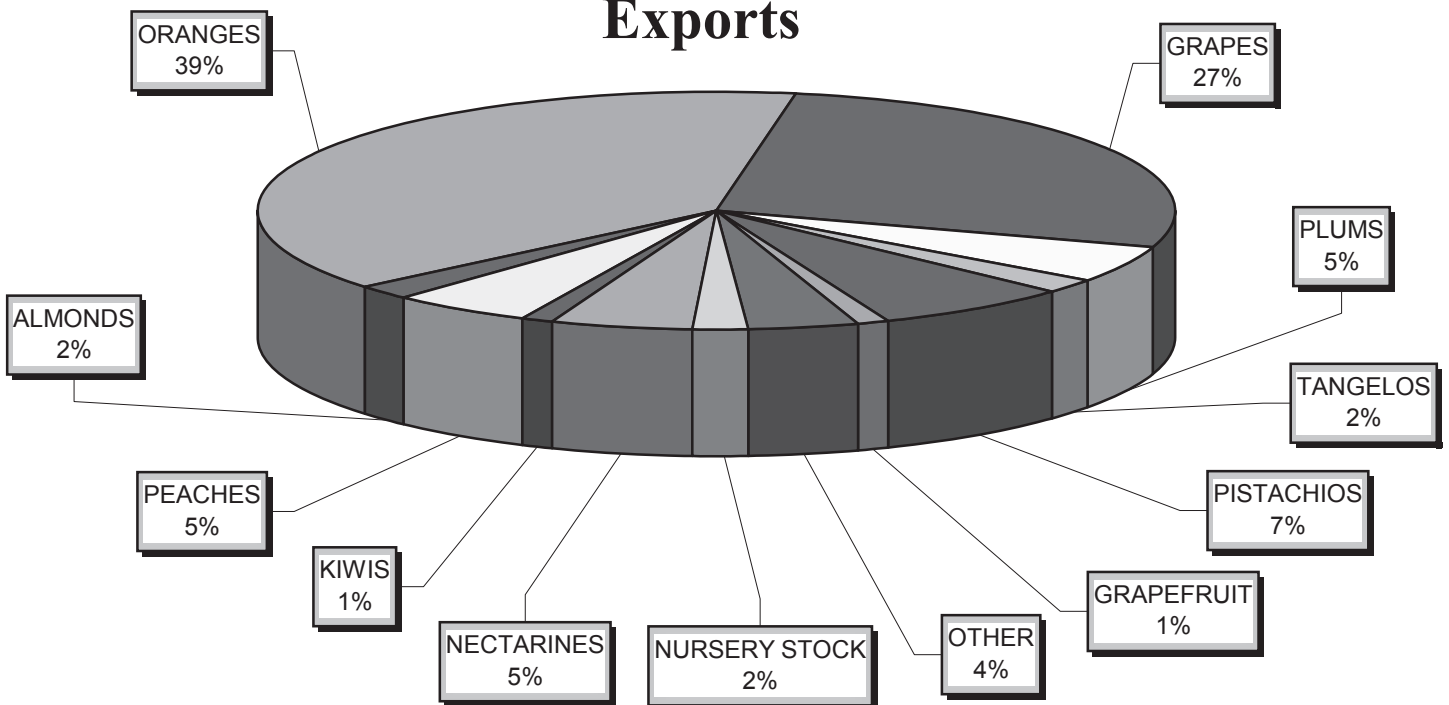
### Tulare County Twenty Year Comparison



# Five-Year Category Comparison

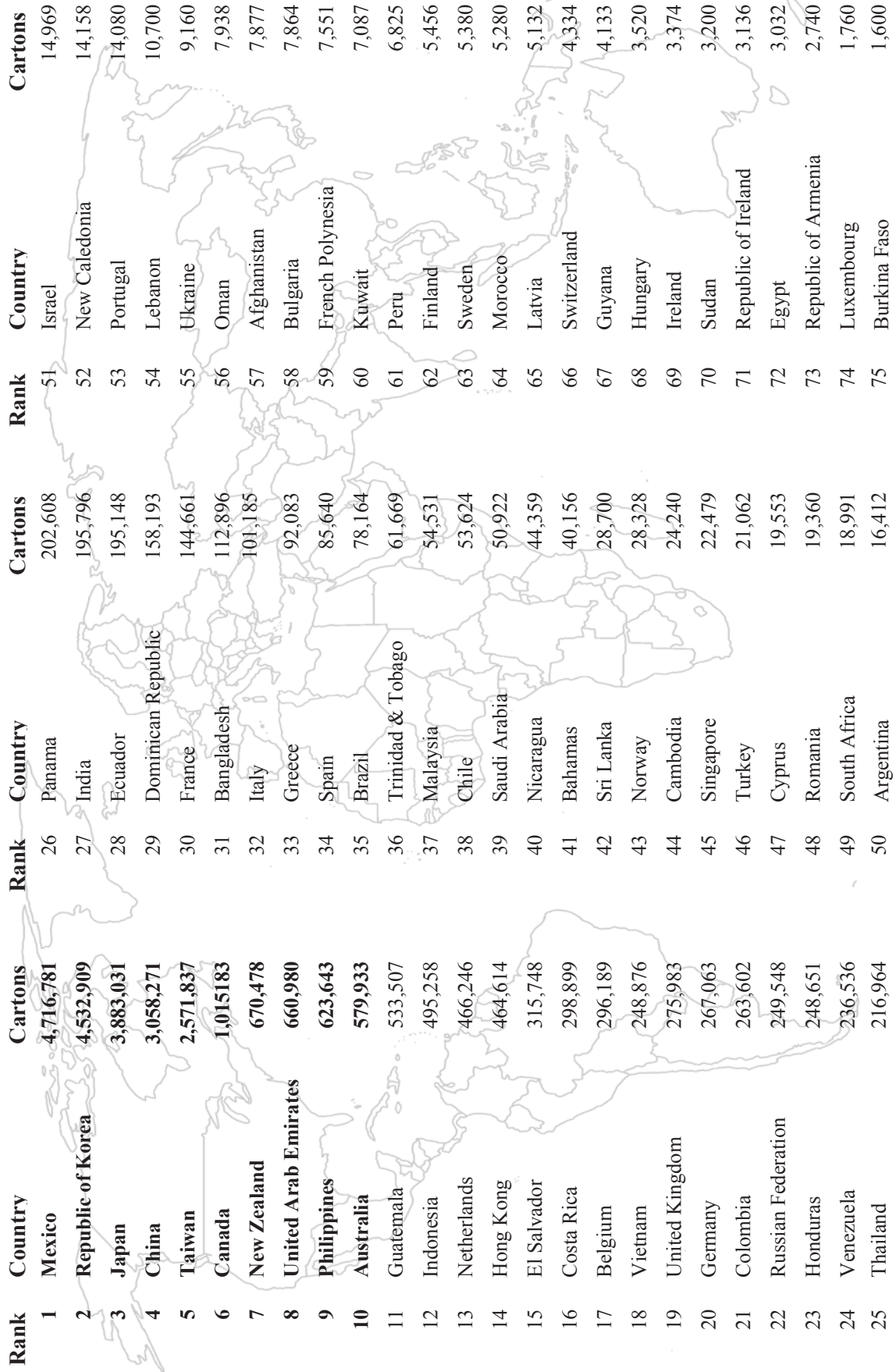


## 2008 Fruit and Nut Exports





## 75 Leading Export Countries



Rank	Country	Cartons	Rank	Country	Cartons	Rank	Country	Cartons
1	Mexico	4,716,781	26	Panama	202,608	51	Israel	14,969
2	Republic of Korea	4,532,909	27	India	195,796	52	New Caledonia	14,158
3	Japan	3,883,031	28	Ecuador	195,148	53	Portugal	14,080
4	China	3,058,271	29	Dominican Republic	158,193	54	Lebanon	10,700
5	Taiwan	2,571,837	30	France	144,661	55	Ukraine	9,160
6	Canada	1,015,183	31	Bangladesh	112,896	56	Oman	7,938
7	New Zealand	670,478	32	Italy	101,185	57	Afghanistan	7,877
8	United Arab Emirates	660,980	33	Greece	92,083	58	Bulgaria	7,864
9	Philippines	623,643	34	Spain	85,640	59	French Polynesia	7,551
10	Australia	579,933	35	Brazil	78,164	60	Kuwait	7,087
11	Guatemala	533,507	36	Trinidad & Tobago	61,669	61	Peru	6,825
12	Indonesia	495,258	37	Malaysia	54,531	62	Finland	5,456
13	Netherlands	466,246	38	Chile	53,624	63	Sweden	5,380
14	Hong Kong	464,614	39	Saudi Arabia	50,922	64	Morocco	5,280
15	El Salvador	315,748	40	Nicaragua	44,359	65	Latvia	5,132
16	Costa Rica	298,899	41	Bahamas	40,156	66	Switzerland	4,334
17	Belgium	296,189	42	Sri Lanka	28,700	67	Guyana	4,133
18	Vietnam	248,876	43	Norway	28,328	68	Hungary	3,520
19	United Kingdom	275,983	44	Cambodia	24,240	69	Ireland	3,374
20	Germany	267,063	45	Singapore	22,479	70	Sudan	3,200
21	Colombia	263,602	46	Turkey	21,062	71	Republic of Ireland	3,136
22	Russian Federation	249,548	47	Cyprus	19,553	72	Egypt	3,032
23	Honduras	248,651	48	Romania	19,360	73	Republic of Armenia	2,740
24	Venezuela	236,536	49	South Africa	18,991	74	Luxembourg	1,760
25	Thailand	216,964	50	Argentina	16,412	75	Burkina Faso	1,600

# Tulare County Sustainable Agricultural Reporting - 2008

## County Biological Control

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Program Scope</u>
Aphids <i>Aphis</i> spp.	Asian Ladybird Beetle <i>Harmonia axyridis</i>	2 sites
Ash Whitefly <i>Siphoninus phillyreae</i>	Parasitic Wasp <i>Encarsia inaron</i> Ladybird Beetle <i>Cleitostethus arcuatus</i>	Upon demand  Upon demand
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  Upon demand
Italian Thistle <i>Carduus pycnocephalus</i>	Seedhead Weevil <i>Rhinocylus conicus</i>	2 sites
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
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  1 site  Upon demand  Upon demand

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

## County Pest Detection

<u>Target Pest</u>	<u>Number of Traps</u>	<u>Host Crops</u>
European Corn Borer	4	Corn/Sorghum
European Pine Shoot Moth	5	Pines
General Fruit Fly	574	Fruit Trees
Glassy-winged Sharpshooter	7150	Various Trees & Shrubs
Gypsy Moth	252	Shade Trees
Japanese Beetle	181	Turf & Flowers
Khapra Beetle	110	Stored Food Products
Light Brown Apple Moth	465	Various Trees & Shrubs
Mediterranean Fruit Fly	492	Fruit Trees
Melon Fruit Fly	368	Vegetables
Mexican/Caribbean Fruit Flies	173	Fruit Trees
Oriental Fruit Fly	368	Fruit Trees

## County Pest Eradication

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Program Scope</u>
Alligatorweed <i>Alternanthera philoxeroides</i>	Mechanical/Chemical Control	340 Plants
Pink Bollworm <i>Pectinophora gossypiella</i>	Mechanical/Chemical Control	12,605 Acres
Scotch Thistle <i>Onopordum acanthium</i>	Mechanical/Chemical Control	520 Plants

## County Pest Exclusion

<u>Pest Rejections</u>	<u>Setting</u>	<u>Program Scope</u>
Federally Prohibited Plants	Incoming Shipments	1 Rejection/Destroyed
Live Pests (unspecified)	Incoming Shipments	3 Rejections/Destroyed
Improper Markings	Incoming Shipments	8 Rejections/Destroyed

**2008 Registered Organic and Certified Producer  
Farming Statistics**

Organic Growers	79
Acres of Organic Cropland	3698
Organic Packers/Shippers	16
Certified Producers Certificates	135

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**Organic Crops**

Citrus	1,323 Acres
Grapes	817 Acres
Tree Fruits	741 Acres
Nuts	379 Acres
Berries	153 Acres
Avocados	65 Acres
Vegetables/Melons	53 Acres
Olives	35 Acres
Other	132 Acres
Dairy Cows	620 Head

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The Tulare County Agricultural Commissioner/Sealer's Office would like to offer a special thanks to the United States Department of Agriculture, Agricultural Research Service Information Staff Photo Unit and Natural Resources Conservation Service for the photographs featured in this publication.