

1994 TULARE COUNTY  
AGRICULTURAL  
CROP AND  
LIVESTOCK REPORT





# Tulare County Agricultural Commissioner/Sealer

Lenord Craft, Agricultural Commissioner  
Sealer of Weights and Measures

Gary Kunkel, Chief Deputy  
Commissioner/Sealer

1995

HENRY J. VOSS, SECRETARY  
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

AND

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In accordance with the provisions of Sections 2272 & 2279 of the California Agricultural Code, I am pleased to submit the Annual Report of the acreage, production, and valuation of agricultural commodities produced in Tulare County during the calendar year 1994. This report is the result of information gathered from many sources, and as always, it must be emphasized that the figures represent *gross returns* to the producer and do not indicate actual net profit.

Once again, Tulare County is proud to be the number one dairy county in the United States. This growth industry continues to have an ever-increasing impact on the local farming, processing, and business communities. With the continued expansion and introduction of new dairies, and the arrival of more processors, this segment of Tulare County agriculture has easily maintained its number one ranking.

The weather problems of the previous few years, ie, freezing temperatures and drought, were not as troublesome for the 1994 crop season. Above-normal rainfall, for the second consecutive year, excellent growing conditions, and the continued growth of the dairy industry, allowed us to report another record year in agricultural receipts of **\$2,504,944,000**.

I wish to express my sincere appreciation to the many producers, processors, and agencies (both private and public), who have assisted in compiling this report. I would also like to thank all the members of my staff, particularly Bob Chilton and R. Dennis Haines, whose input and hard work have made the publication of this report possible.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lenord L. Craft", is written over a horizontal line.

Lenord L. Craft  
Agricultural Commissioner/Sealer

## ENGLISH (PERSIAN) WALNUTS — A TULARE COUNTY LEGACY

G. Steven Sibbett, University of California Cooperative Extension  
Farm Advisor

Although date of origin is unknown, botanists generally agree that the "English" walnut (*Juglans regia* L.) originated in the Carpathian mountains of Eastern Europe. Its native range extended through Turkey, Iraq, Iran, Afghanistan, and East into the South foothills of the Soviet Union. It became originally known as the "Persian" walnut because Persia (Iran) used it extensively as a trade item in Southern Europe. From Persia, trees were then introduced into Greece and Rome where the fruit (nut) was referred to as *Jovis Glans*, meaning, "nut of the Gods", "nut of Jupiter", or the "royal nut". In those days, Persian walnuts had both food and medicinal value, being used (among other things) to fight tooth decay and "relax the stomach". The hulls were also used. Cloth and hair were colored with hull extract. Persian walnuts then spread into Southern Europe & England in 1562 where the term English walnut was adopted. Although no significant walnut cultivation ever occurred there, that name developed because English trading ships dispersed the nut throughout the world.

The Spanish introduced the English walnut into Chile and the Franciscan Fathers were credited with bringing them to California where they planted trees beside their missions. Large English walnut trees were reported on Alameda street and on the old Louis Vigne property in Los Angeles in 1827. Other orchards were planted outside the missions by Colonel J.J. Warner on the "Warner Ranch" in 1843. Circa 1846 other walnut pioneers: Frank E. Kellogg of Calistoga, the Honorable Russel Heath of Carpinteria, and J.W. Wolfskill were reported to have planted walnut seed, some on the advice of a Reverend Father Gonzales who was head of the Franciscan Missions.

The first important commercial planting of "soft shell" English walnuts in California is reported to have been by orchardist and nurseryman, Joseph Sexton of Goleta (near Santa Barbara) in 1867. He planted a sack of soft shell walnuts — and some hard shell types as well. In 1869 he planted more in "orchard form" and selected several of the better, more desirable types. He called these "improved soft shell" varieties and named them after locations in Southern California, e.g. 'Santa Barbara Soft Shell'. The best of the selected varieties could produce as much as 300 pounds of nuts per tree but were too frost sensitive for expansion to the north. Felix Gillet (of Nevada City) is credited as being the pioneer of the walnut industry in Northern California. He Established the Barren Hill nursery in 1871. There he imported scion wood and introduced varieties from France, particularly 'Franquette', 'Mayette', and 'Meylan', which were also grown in Oregon and Southern Washington. In Northern California, Emily Vrooman planted 60 acres near Santa Rosa to initiate the start of commercial walnut production. By 1915, seedling trees were no longer planted and the best varieties, selected from seedling soft shells and the French varieties, were grafted onto seedling rootstocks in order to gain uniformity of performance.

Early commercial varieties were selected from seedlings. Such old standbys as 'Eureka' (William Meek, mid 1890's), 'Placentia' (George Hind, 1893), 'Concord' (George Westcott, 1895), 'Payne' (G.P. Payne, 1898), and 'Hartley' (John Hartley, circa 1915) which is the most important walnut variety in California, originated as "chance" seedlings in established orchards. Rootstocks of

superior performance (i.e. uniform in vigor and resistant to Phytophthora root rot, Oak root fungus, crown gall, etc.) were selected once grafting became a proven method of propagating superior seedlings. From 1879 to 1885, Luther Burbank hybridized walnuts to produce superior rootstocks. The most famous of these were the 'Paradox' hybrids resulting from crosses of English with Northern California or California Black walnuts (*J. regia* x *J. Hindsii* or *J. californica*) and the 'Royal' hybrids resulting from crosses of Eastern Black with Northern California Black walnut (*J. nigra* x *J. hindsii*).

The commercial Tulare County industry is a relative newcomer. Paschal Bequette, in 1871, was reported to have harvested his first crop of fine walnuts growing on his trees at Garden & Acequia in Visalia. These nuts, probably from trees planted in the 1860's, were the first walnuts reported in the County. In 1887, Thomas Nighbert brought good walnuts from heavy bearing trees into town from Townsend (now Elderwood). Occasional, although minor, reports of walnut plantings continued, but few orchards existed prior to 1900. In fact, most agree the Jacob brothers, who planted a border of trees around 160 acres in 1890, introduced the commercial walnut industry to Tulare county. Five years later (1895) the brothers planted an additional 25 acres. The first large planting of trees, obtained from the Jacob Brothers Nursery, consisted of 40 acres planted by George Fleming on his "Fleming Fruit Co." ranch. This later became known as the Visalia Orchard Co. Other early walnut pioneers of Tulare County included: J.E. Hester, Frank Powell, Walter Rouse, M.W. Dula, Sam Newman, and Paul Dobson. From that beginning, the Tulare County walnut industry has grown considerably and now 27,322 acres (1994) of which 1,658 are non-bearing. This clearly demonstrates the continuing viability of the business.

#### **Tulare . . . a variety named for Tulare County**

Success of the California walnut industry rests largely with the varieties it grows. Our most productive varieties originated from the University of California's walnut breeding program begun in 1944 by the late Eugene F. Serr at the U.C. Davis Campus. The search was made for favorable attributes: yield, leafing date, harvest date, ability to bear at lateral positions on shoots, percent kernel, and kernel color. In conjunction with his colleague Harold I. Forde, Serr produced many productive varieties grown commercially today including: 'Serr', 'Tehama', 'Chico', 'Vina', 'Gustine', 'Lompoc', 'Amigo', 'Pedro', and 'Midland'. Since 1965 Forde continued Serr's breeding program and released: 'Chandler', 'Howard', and 'Sunland'. 'Tulare', also a product of that program, was extensively tested in Tulare County by U.C.'s Cooperative Extension Service and was found to be one of the most heavily-producing varieties, well adapted to close planting and for those orchards configured into 'hedgerow'. Tulare has been released and is popular in new plantings both here and around the state. The U.C. walnut breeding program continues to this date led by U.C.'s Gale McGranahan, and even still, superior varieties are emerging.

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Lenord L. Craft

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Gary W. Kunkel

**DEPUTY AGRICULTURAL COMMISSIONER/SEALER**

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R. Dennis Haines

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**OFFICE ASSISTANT III**

**SENIOR ACCOUNT CLERK**

**ACCOUNT CLERK**

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Gloria Schoenborn

Dena Tallerico  
Tricia Wafford

Wanda Merritt

Ann Parton

**Reported By:** Bob Chilton and R. Dennis Haines

**Cover Photo:** Courtesy of: G. Steven Sibbett, University of California Cooperative Extension Farm Advisor

**Art Work By:** Candice Erickson, Santa Clara County Agricultural Inspector

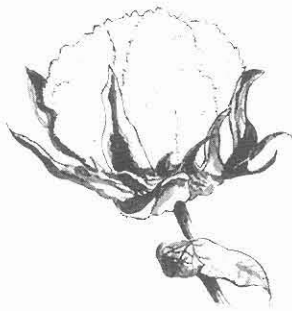
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# TULARE COUNTY AGRICULTURAL ACREAGE STATISTICS

ORCHARD CROPS	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
<u>CITRUS</u>			
Grapefruit	1,268	493	1,761
Lemons	3,920	122	4,042
Limes	5	0	5
Navels	69,138	2,138	71,276
Valencias	29,421	1,226	30,647
Tangerines	1,918	190	2,108
TOTAL	105,670	4,169	109,839
<u>DECIDUOUS AND GRAPES</u>			
Almonds	12,732	129	12,861
Apples	1,951	125	2,076
Apricots	946	94	1,040
Avocados	847	9	856
Cherries	367	234	601
Figs	69	0	69
Grapes			
Raisin	36,073	365	36,438
Table	25,840	2,247	28,087
Wine	10,305	1,082	11,387
Kiwifruit	1,699	4	1,703
Nectarines	14,897	1,121	16,018
Olives	16,443	2,677	19,120
Peaches			
Cling	1,348	42	1,390
Freestone	10,116	1,124	11,240
Pears & Asian Pears	657	27	684
Pecans	934	191	1,125
Persimmons	700	22	722
Pistachio Nuts	4,802	1,962	6,764
Plums	20,415	417	20,832
Pomegranates	1,149	0	1,149
Prunes	7,715	581	8,296
Quince	181	0	181
Walnuts	25,664	1,658	27,322
Miscellaneous <u>A/</u>	74	0	74
TOTAL			
Total Grapes	72,218	3,694	75,912
Total Orchard Crops	229,376	14,586	243,962
GRAND TOTAL	301,594	18,280	319,874

A/ Includes: Chestnuts, Dates, Grape Rootstock, Guava/Fejoa, Jojoba, and Plumcot.



## FIELD CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Alfalfa - Hay	1994	83,900	8.92	748,000	Ton	109.00	81,532,000
	1993	76,900	8.13	625,000	Ton	99.80	62,375,000
Silage <u>A/</u>	1994	X	3.00	84,000	Ton	30.00	2,520,000
	1993	X	3.00	76,900	Ton	26.00	1,999,000
Barley	1994	32,100	2.04	65,500	Ton	114.00	7,467,000
	1993	24,200	2.10	50,800	Ton	114.00	5,791,000
Beans - Dry	1994	10,100	1.21	12,200	Ton	700.00	8,540,000
	1993	7,970	1.28	10,200	Ton	691.00	7,048,000
Corn - Grain	1994	12,200	5.00	61,000	Ton	107.00	6,527,000
	1993	14,600	5.10	74,500	Ton	103.00	7,674,000
Silage	1994	60,700	23.00	1,396,000	Ton	21.00	29,316,000
	1993	56,100	24.00	1,346,000	Ton	18.30	24,632,000
Cotton - Lint <u>B/</u>	1994	139,800	1,260.00	356,000	Bale	79.00	140,563,000
	1993	144,600	1,340.00	391,000	Bale	70.10	137,201,000
Seed	1994	X	X	129,000	Ton	153.00	19,737,000
	1993	X	X	164,000	Ton	162.00	26,568,000
Pasture & Range Irrigated	1994	41,800	X	X	Acre	110.00	4,598,000
	1993	12,400	X	X	Acre	110.00	1,364,000
Native	1994	617,000	X	X	Acre	11.00	6,787,000
	1993	650,000	X	X	Acre	11.00	7,150,000
Other	1994	58,100	X	X	Acre	12.00	697,000
	1993	51,000	X	X	Acre	12.00	612,000
Silage - Small Grain <u>C/</u>	1994	44,500	15.70	699,000	Ton	18.50	12,932,000
	1993	44,300	16.50	731,000	Ton	16.50	12,062,000
Sorghum Grain	1994	1,960	2.50	4,900	Ton	90.00	441,000
	1993	1,610	2.16	3,480	Ton	101.00	351,000
Sugar Beets	1994	3,770	27.20	103,000	Ton	31.80	3,275,000
	1993	3,220	27.00	86,900	Ton	33.00	2,868,000





## FIELD CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Wheat	1994	45,300	2.42	110,000	Ton	122.00	13,420,000
	1993	41,600	2.54	106,000	Ton	115.00	12,190,000
Miscellaneous <u>D/</u>	1994	46,345	X	X	X	X	6,931,000
	1993	35,900	X	X	X	X	3,300,000
TOTAL	1994	1,199,530					345,283,000
	1993	1,164,400					313,185,000

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 hundredweight.

C/ Includes Barley, Oats, and Winter Forage.

D/ Includes Bean Screenings & Straw, Garbonzo Beans, Oat Grain & Hay, Safflower, Straw, and Sudan Grass.



## SEED CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Cotton - Registered or Certified <u>A/</u>	1994	4,920	X	4,580	Ton	584.00 <u>B/</u>	2,675,000
	1993	3,465	X	2,580	Ton	215.00	555,000
Wheat - Registered or Certified	1994	465	3.00	1,400	Ton	123.00	172,000
	1993	4,461	2.62	11,700	Ton	120.00	1,404,000
Miscellaneous <u>C/</u>	1994	598	X	X	X	X	1,194,000
	1993	1,031	X	X	X	X	566,000
TOTAL	1994	1,063					4,041,000
	1993	5,492					2,525,000

A/ Not included in total acreage for "Seed Crops".

B/ Includes per acre approval.

C/ Includes Broccoli, Cowpeas, Garbonzo Beans, Lettuce, Onions, Radishes and Safflower.



## VEGETABLE CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Broccoli	1994	1,960	5.39	10,600	Ton	586.00	6,212,000
	1993	2,005	4.51	9,040	Ton	364.00	3,291,000
Cauliflower	1994	1,410	3.90	5,500	Ton	478.00	2,629,000
	1993	1,236	4.06	5,020	Ton	477.00	2,395,000
Cucumbers - Fresh	1994	468	7.87	3,680	Ton	405.00	1,490,000
	1993	285	6.80	1,940	Ton	440.00	854,000
Snap Beans - Fresh *	1994	2,823	5.35	15,100	Ton	1,179.00	17,803,000
	1993	X	X	X	X	X	X
Tomatoes - Fresh	1994	1,309	15.20	19,900	Ton	569.00	11,323,000
	1993	172	8.81	1,520	Ton	464.00	705,000
Miscellaneous <u>A/</u>	1994	7,688	X	X	X	X	25,645,000
	1993	8,009	X	X	X	X	38,602,000
TOTAL	1994	15,658					65,102,000
	1993	11,707					45,847,000

A/ Includes: Asparagus, Beets, Bittermelon, Bokchoy, Cabbage, Cactus, Cantaloupe, Carrots, Celery, Chayote, Cilantro, Dill, Eggplant, Garlic, Gourds, Herbs, Honeydew Melons, Lettuce, Mushrooms, Mustard Greens, Okra, Onions, Oriental Vegetables, Parsley, Peanuts, Peas, Peppers(Bell & Chili), Potatoes, Pumpkins, Radishes, Processed Snap Beans, Spinach, Squash, Sugar Cane, Sugar Peas, Sweet Corn, Swiss Chard, Tomatillos, Tomatoes (processed), Turnips and Watermelons.

\* Not reported in 1993.



## INDUSTRIAL CROPS

	Reporting Year	Production		Value	
		Total	Unit	Per Unit	Total
Timber Harvested <u>A/</u>	1994	22,400,000	Board Ft.	0.320	7,168,000
	1993	43,472,000	Board Ft.	0.130	5,651,000
Miscellaneous <u>B/</u>	1994	X	X	X	981,000
	1993	X	X	X	761,000
TOTAL	1994				8,149,000
	1993				6,412,000

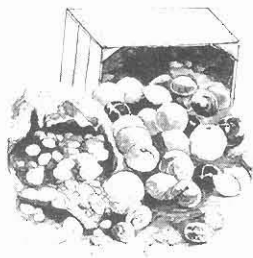
A/ Previous year's production & value based on information provided by Timber Tax Division, Property Taxes Dept., State Board of Equalization.

B/ Includes Biomass and Walnut Stumps.



## FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Almonds - Meats	1994	12,732	1.10	14,000	Ton	2,700.00	37,800,000
	1993	10,866	.66	7,170	Ton	3,820.00	27,389,000
Hulls	1994	X	X	35,600	Ton	74.00	2,634,000
	1993	X	X	18,200	Ton	65.00	1,183,000
Apples	1994	1,951	9.74	19,000	Ton	636.00	12,084,000
	1993	2,129	11.40	24,300	Ton	797.00	19,367,000
Apricots	1994	946	7.48	7,080	Ton	880.00	6,230,000
	1993	775	4.73	3,670	Ton	1,050.00	3,854,000
Avocados	1994	847	5.44	4,610	Ton	639.00	2,946,000
	1993	865	5.04	4,360	Ton	517.00	2,254,000
Cherries	1994	367	4.89	1,790	Ton	2,950.00	5,280,000
	1993	244	1.52	371	Ton	3,100.00	1,150,000
Grapes - Total	1994	72,218	X	X	X	X	364,127,000
	1993	73,580	X	X	X	X	377,650,000
Raisin Varieties	1994	36,073	9.83	X	X	X	X
	1993	36,923	10.10	X	X	X	X
Canned	1994	X	X	20,500	Ton	236.00	4,838,000
	1993	X	X	22,900	Ton	233.00	5,336,000
Crushed <u>A/</u>	1994	X	X	35,600	Ton	128.00	4,557,000
	1993	X	X	74,700	Ton	154.00	11,504,000
Dried <u>B/</u>	1994	X	X	34,300	Ton	940.00	32,242,000
	1993	X	X	30,000	Ton	905.00	27,150,000
Fresh	1994	X	X	140,000	Ton	946.00	132,440,000
	1993	X	X	140,000	Ton	903.00	126,420,000
Juice	1994	X	X	4,200	Ton	450.00	1,890,000
	1993	X	X	2,230	Ton	487.00	1,086,000
Table Varieties	1994	25,840	6.97	X	X	X	X
	1993	25,905	8.69	X	X	X	X
Crushed	1994	X	X	30,200	Ton	101.00	3,050,000
	1993	X	X	40,100	Ton	129.00	5,173,000
Fresh	1994	X	X	150,000	Ton	1,100.00	165,000,000
	1993	X	X	185,000	Ton	936.00	173,160,000



## FRUIT AND NUT CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Wine Varieties	1994	10,305	9.36	X	X	X	X
	1993	10,752	11.60	X	X	X	X
Crushed	1994	X	X	92,100	Ton	197.00	18,144,000
	1993	X	X	118,000	Ton	213.00	25,134,000
Juice	1994	X	X	4,370	Ton	450.00	1,966,000
	1993	X	X	6,490	Ton	414.00	2,687,000
Grapefruit - Fresh <u>C</u> /	1994	1,268	8.14	10,300	Ton	1,150.00	11,845,000
	1993	639	9.90	6,330	Ton	695.00	4,399,000
Kiwifruit	1994	1,699	8.14	13,800	Ton	1,580.00	21,804,000
	1993	1,802	10.20	18,400	Ton	1,410.00	25,944,000
Lemons - Fresh	1994	3,920	9.69	20,900	Ton	513.00	10,722,000
	1993	4,067	5.80	12,300	Ton	646.00	7,946,000
Processed	1994	X	X	17,100	Ton	51.00	872,000
	1993	X	X	11,300	Ton	55.00	622,000
Nectarines - Fresh	1994	14,897	8.63	129,000	Ton	701.00	90,429,000
	1993	13,767	5.23	72,000	Ton	710.00	51,120,000
Olives - Canning	1994	16,443	2.70	38,500	Ton	518.00	19,943,000
	1993	15,238	3.90	42,200	Ton	500.00	21,100,000
Other	1994	X	X	5,900	Ton	404.00	2,384,000
	1993	X	X	17,300	Ton	278.00	4,809,000
Oranges - Navel	1994	69,138	11.50	654,000	Ton	400.00	261,600,000
	1993	67,777	12.30	614,000	Ton	399.00	244,986,000
Processed	1994	X	X	144,000	Ton	29.70	4,277,000
	1993	X	X	221,000	Ton	25.00	5,525,000
Valencia	1994	29,421	12.20	276,000	Ton	383.00	105,708,000
	1993	29,257	10.80	242,000	Ton	421.00	101,882,000
Processed	1994	X	X	82,600	Ton	44.00	3,634,000
	1993	X	X	73,200	Ton	50.00	3,660,000
Peaches - Cling	1994	1,348	21.00	28,300	Ton	193.00	5,462,000
	1993	1,376	16.50	22,700	Ton	224.00	5,085,000
Freestone - Fresh	1994	10,116	9.74	98,500	Ton	585.00	57,622,000
	1993	9,841	5.56	54,700	Ton	878.00	48,027,000



## FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Pears & Asian Pears	1994	657	5.75	3,780	Ton	1,840.00	6,955,000
	1993	632	8.09	5,110	Ton	1,310.00	6,694,000
Pecans	1994	934	.62	579	Ton	2,840.00	1,644,000
	1993	770	.55	424	Ton	2,420.00	1,026,000
Persimmons	1994	700	5.90	4,130	Ton	1,330.00	5,493,000
	1993	893	5.79	5,170	Ton	1,300.00	6,721,000
Pistachio Nuts <u>D/</u>	1994	4,802	.91	4,370	Ton	2,350.00	10,270,000
	1993	5,462	1.03	5,630	Ton	2,870.00	16,158,000
Plums - Fresh	1994	20,415	6.07	124,000	Ton	590.00	73,160,000
	1993	20,693	5.30	110,000	Ton	881.00	96,910,000
Pomegranates	1994	1,149	3.40	3,910	Ton	842.00	3,292,000
	1993	1,129	4.00	4,520	Ton	980.00	4,430,000
Prunes - Processed	1994	7,715	2.30 <u>D/</u>	17,400	Ton	1,150.00	20,010,000
	1993	6,597	2.24	14,600	Ton	1,200.00	17,520,000
Fresh <u>E/</u>	1994	X	X	987	Ton	1,260.00	1,244,000
	1993	X	X	616	Ton	1,450.00	893,000
Quince *	1994	181	7.60	1,380	Ton	736.00	1,016,000
	1993	X	X	X	X	X	X
Tangerines <u>F/</u>	1994	1,918	10.30	19,800	Ton	706.00	13,979,000
	1993	1,617	8.47	13,700	Ton	642.00	8,795,000
Walnuts	1994	25,644	1.67	42,800	Ton	1,070.00	45,796,000
	1993	25,087	1.73	43,400	Ton	1,510.00	65,534,000
Miscellaneous <u>G/</u>	1994	249	X	X	X	X	1,301,000
	1993	313	X	X	X	X	2,500,000
TOTAL	1994	301,675					1,211,563,000
	1993	295,416					1,185,133,000

A/ Includes green weight raisins for distillery materials.

B/ A combined value reflecting free and reserve tonnage.

C/ Includes Pummelos.

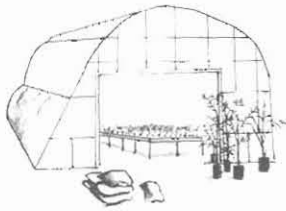
D/ Dry weight basis.

E/ Green weight basis.

F/ Includes Tangelos and Tangors.

G/ Includes Bushberries, Figs, Guava/Feijoa, Jojoba, Limes, Processed Fruits (Apricots, Nectarines, Peaches, Pears, and Plums), and Strawberries.

\* Not reported in 1993.



## NURSERY PRODUCTS

	Year	Quantity Sold	Unit	Value	
				Per Unit	Total
Citrus and Subtropical Trees	1994	431,000	Each	7.29	3,142,000
	1993	456,000	Each	7.39	3,370,000
Deciduous Fruit and Nut Trees	1994	685,000	Each	5.41	3,706,000
	1993	571,000	Each	6.34	3,620,000
Grape & Berry Vines	1994	3,221,000	Each	.648	2,087,000
	1993	3,794,000	Each	.617	2,341,000
Foliage Plants & Cut Flowers	1994	X	X	X	2,459,000
	1993	X	X	X	2,186,000
Ornamental Trees & Shrubs	1994	1,496,000	Each	6.60	9,874,000
	1993	1,230,000	Each	6.63	8,155,000
Miscellaneous <u>A/</u>	1994	X	X	X	2,908,000
	1993	X	X	X	2,583,000
TOTAL	1994				24,176,000
	1993				22,255,000

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



## APIARY PRODUCTS

	Year	Total	Unit	Value	
				Per Unit	Total
Honey - Orange <u>A/</u>	1994	3,083,000	Lb.	.51	1,572,000
	1993	4,275,000	Lb.	.51	2,180,000
Other	1994	1,285,000	Lb.	.49	630,000
	1993	3,496,000	Lb.	.47	1,643,000
Beeswax	1994	145,000	Lb.	1.70	246,000
	1993	170,000	Lb.	1.35	230,000
Pollination <u>B/</u>	1994	68,600	Colony	31.90	2,188,000
	1993	65,800	Colony	28.00	1,842,000
TOTAL	1994				4,636,000
	1993				5,895,000

A/ From bee colonies registered in Tulare County during 1994 citrus bloom period.

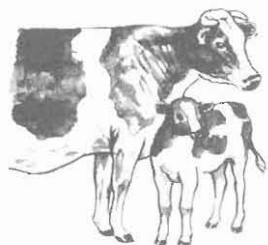
B/ Estimated number of colonies required for adequate pollination.



## LIVESTOCK AND POULTRY

	Year	No of Head	Total Liveweight	Unit	Per Unit	Value Total
Cattle & Calves	1994	304,000	X	Head	732.00	222,528,000
	1993	319,000	X	Head	746.00	237,974,000
Lambs	1994	9,690	921,000	Lb.	.656	604,000
	1993	8,750	831,000	Lb.	.671	558,000
Hogs & Pigs	1994	269,000	X	Head	106.00	28,514,000
	1993	269,000	X	Head	114.00	30,666,000
Turkeys	1994	1,527,000	33,023,000	Lb.	.460	15,191,000
	1993	1,877,000	38,066,000	Lb.	.420	15,988,000
Miscellaneous <u>A/</u>	1994	X	X	X	X	10,756,000
	1993	X	X	X	X	7,966,000
TOTAL	1994					277,593,000
	1993					293,152,000

A/ Includes Aquaculture, Beneficial Organisms, Chickens, Fish Bait, Gamebirds, Goats, Pet Food, Pigeons, Pullets, Rabbits, Sheep and Turkey Breeders.



## LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Unit	Per Unit	Value Total
Manure <u>A/</u>	1994	1,694,000	Ton	5.29	8,961,000
	1993	1,511,000	Ton	5.06	7,646,000
Milk - Market	1994	48,230,000	Cwt.	11.29	544,517,000
	1993	42,290,000	Cwt.	11.24	475,340,000
Manufacturing	1994	196,000	Cwt.	10.46	2,050,000
	1993	173,000	Cwt.	11.05	1,912,000
Miscellaneous <u>B/</u>	1994	X	X	X	8,873,000
	1993	X	X	X	5,900,000
TOTAL	1994				564,401,000
	1993				490,798,000

A/ Includes Dairy and Poultry Manure.

B/ Includes Turkey Hatching Eggs, Chicken Eggs (Market & Hatching), and Wool.



## SUMMARY

COMMODITY	YEAR	HARVESTED ACREAGE	VALUE
FIELD CROPS	1994	1,199,530	345,283,000
	1993	1,164,400	313,185,000
SEED CROPS	1994	1,063	4,041,000
	1993	5,492	2,525,000
VEGETABLE CROPS	1994	15,658	65,102,000
	1993	11,707	45,847,000
INDUSTRIAL CROPS	1994	X	8,149,000
	1993	X	6,412,000
FRUIT AND NUT CROPS	1994	301,675	1,211,563,000
	1993	295,416	1,185,133,000
NURSERY PRODUCTS	1994	X	24,176,000
	1993	X	22,255,000
APIARY PRODUCTS	1994	X	4,636,000
	1993	X	5,895,000
LIVESTOCK AND POULTRY	1994	X	277,593,000
	1993	X	293,152,000
LIVESTOCK AND POULTRY PRODUCTS	1994	X	564,401,000
	1993	X	490,798,000
GRAND TOTAL	1994	1,517,926	2,504,944,000
	1993	1,477,015	2,365,202,000



# 1994 MILLION DOLLAR PRODUCTS

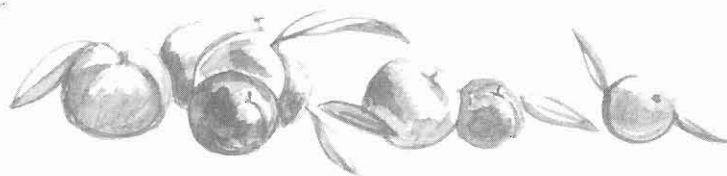
<u>1994 Ranking</u>		<u>1993 Ranking</u>
1. Milk	546,567,000	1
2. Oranges - Navel & Valencia	375,219,000	3
3. Grapes	364,127,000	2
4. Cattle & Calves	222,528,000	4
5. Cotton - Lint & Seed	162,975,000	5
6. Nectarines	90,429,000	10
7. Alfalfa - Hay & Silage	84,052,000	8
8. Plums	73,160,000	6
9. Peaches - Cling & Freestone	63,084,000	9
10. Walnuts	45,796,000	7
11. Almonds	40,434,000	13
12. Corn - Grain & Silage	35,843,000	11
13. Hogs & Pigs	28,514,000	12
14. Olives	22,327,000	15
15. Kiwifruit	21,804,000	14
16. Prunes	21,254,000	17
17. Snap Beans - Fresh	17,803,000	**
18. Turkeys	15,191,000	19
19. Tangerines	13,979,000	23
20. Wheat - Grain & Seed	13,592,000	20
21. Silage - Small Grain	12,932,000	21
22. Apples	12,084,000	16
23. Pasture & Range	12,082,000	22
24. Grapefruit	11,845,000	33
25. Lemons	11,594,000	24
26. Tomatoes	11,323,000	**
27. Pistachio Nuts	10,270,000	18
28. Nursery - Ornamental Trees & Shrubs	9,874,000	25
29. Manure	8,961,000	26
30. Beans - Dry	8,540,000	27
31. Barley	7,467,000	30
32. Timber Harvested	7,168,000	31
33. Pears & Asian Pears	6,955,000	29
34. Apricots	6,230,000	34
35. Broccoli	6,212,000	38
36. Persimmons	5,493,000	28
37. Cherries	5,280,000	45
38. Nursery - Deciduous Fruit & Nut Trees	3,706,000	36
39. Pomegranates	3,292,000	32
40. Sugar Beets	3,275,000	39
41. Nursery - Citrus & Subtropical Trees	3,142,000	37
42. Avocados	2,946,000	42
43. Cauliflower	2,629,000	40
44. Nursery - Foliage Plants & Cut Flowers	2,459,000	43
45. Honey	2,202,000	35
46. Pollination	2,188,000	44
47. Nursery - Grape & Berry Vines	2,087,000	41
48. Pecans	1,644,000	43
49. Cucumbers	1,490,000	**
50. Quince	1,016,000	**

\*\* Not Reported in 1993

# **TWENTY YEAR COMPARISON OF AGRICULTURE INCOME IN TULARE COUNTY 1975-1994**

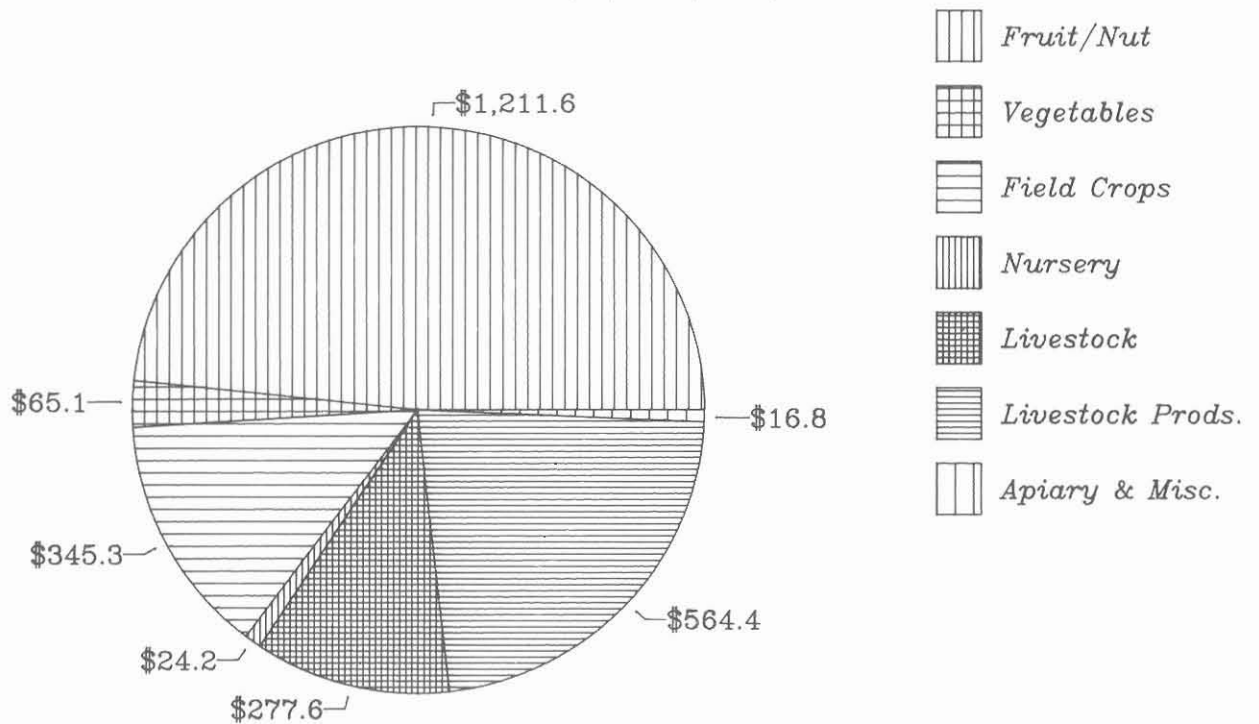


1975	714,740,000
1976	743,327,000
1977	770,428,000
1978	900,861,700
1979	1,239,814,400
1980	1,340,559,400
1981	1,301,921,200
1982	1,316,016,300
1983	1,245,238,100
1984	1,392,273,500
1985	1,368,387,100
1986	1,400,743,000
1987	1,667,201,900
1988	1,791,151,200
1989	1,853,101,600
1990	2,169,448,000
1991	1,878,425,400
1992	2,221,612,100
1993	2,365,202,000
1994	2,504,944,000



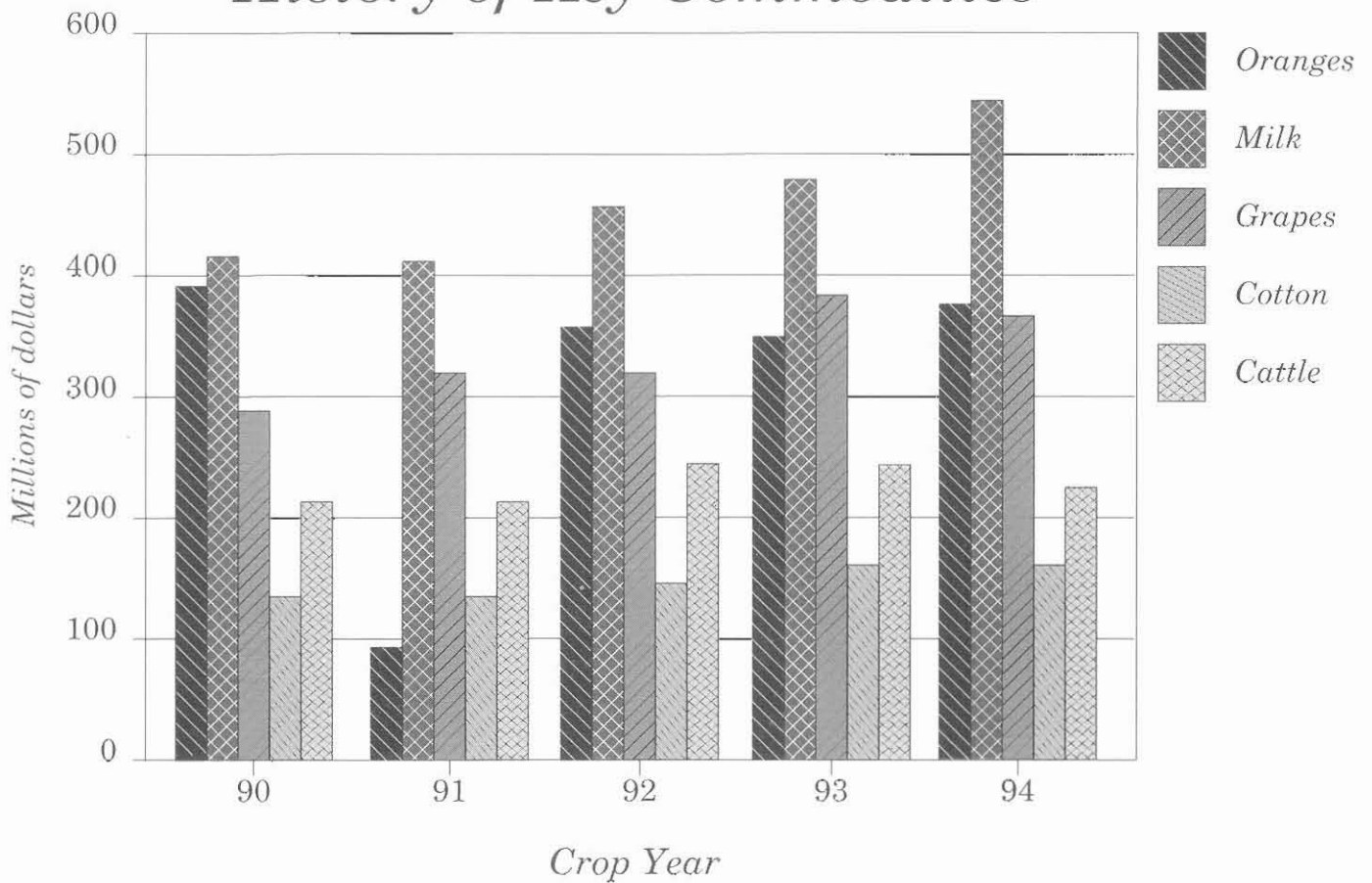
# TULARE COUNTY – 1994

Total Value \$2,504,944,000



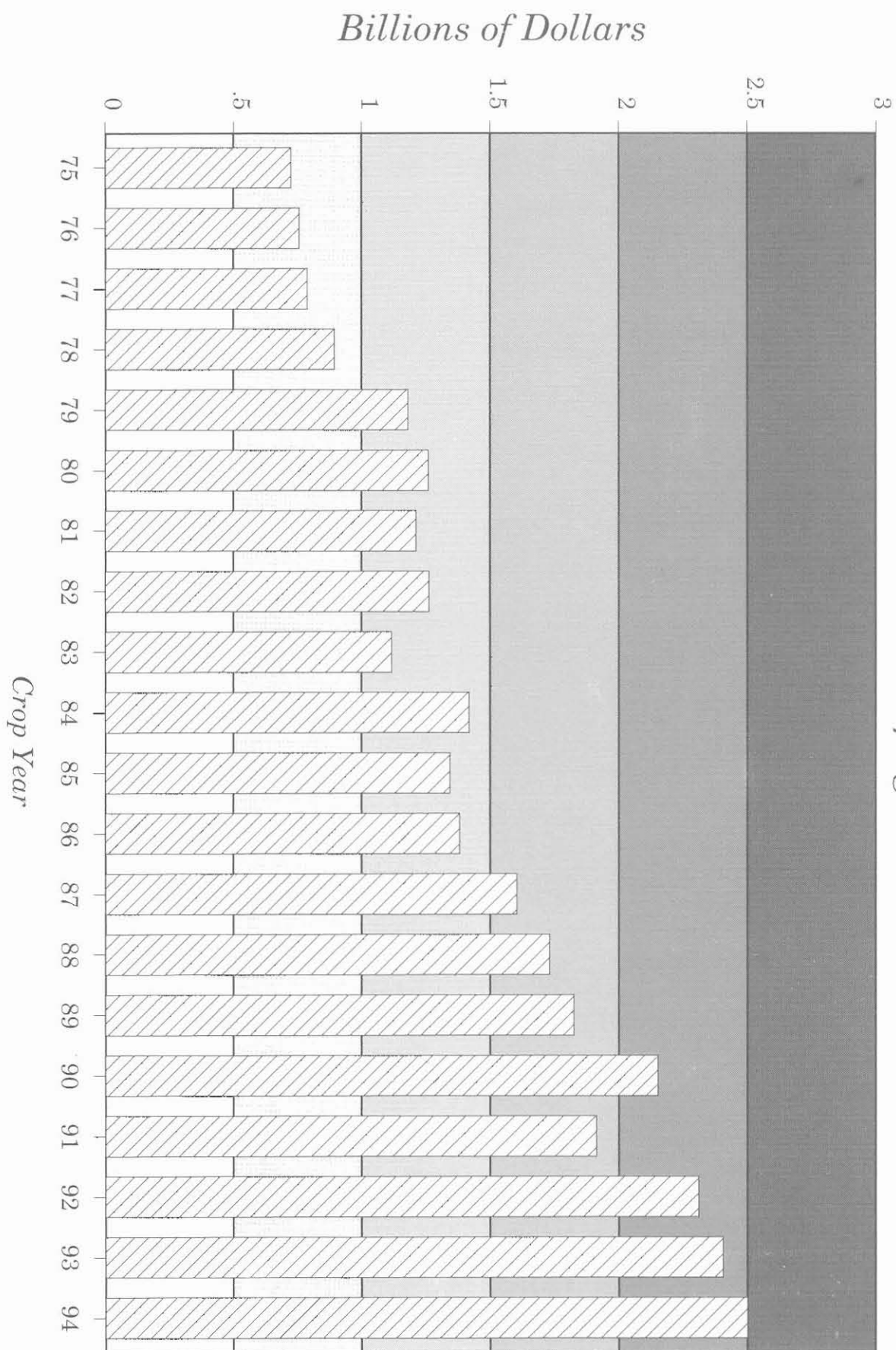
Millions of Dollars

## History of Key Commodities



# TULARE COUNTY

## 20 Years of Ag Income



## 1994 PRODUCE EXPORTS TOP TEN COUNTRIES

<u>COUNTRY</u>	<u>PHYTOSANITARY CERTIFICATES ISSUED</u>	<u>CARTONS SHIPPED</u>
1. Japan	8,091	9,931,624
2. Taiwan	2,145	2,521,260
3. Mexico	1,284	2,059,670
4. Canada	1,040	620,796
5. Philippines	555	676,020
6. Australia	442	338,540
7. New Zealand	426	359,801
8. Indonesia	292	360,370
9. United Kingdom	281	594,642
10. Colombia	197	166,092
 TOTAL	 14,753	 17,628,815

## 1994 COUNTRIES RECEIVING TULARE COUNTY PRODUCE

American Samoa	Ecuador	Kuwait	Saint Lucia
Argentina	Egypt	Lebanon	Saudi Arabia
Aruba	El Salvador	Malaysia	Singapore
Australia	Fiji	Mexico	Slovenia
Bahamas	Finland	Myanmar	South Africa
Bahrain	France	Netherlands	Spain
Barbados	French Polynesia	Netherlands Antilles	Sri Lanka
Belgium	Germany	New Zealand	Sweden
Belize	Greece	Nicaragua	Switzerland
Bolivia	Grenada	Norway	Syria
Brazil	Guam	Panama	Taiwan
British Virgin Islands	Guatemala	Peoples Rep. of China	Thailand
Bulgaria	Guyana	Peru	Trinidad & Tobago
Canada	Honduras	Phillipines	Turkey
Chile	Hong Kong	Poland	United Arab Emirates
Colombia	Iceland	Portugal	United Kingdom
Costa Rica	India	Puerto Rico	Uruguay
Cyprus	Indonesia	Qatar	U. S. Virgin Islands
Czech Republic	Israel	Republic of Korea	Venezuela
Denmark	Italy	Russian Federation	Vietnam
Dominican Republic	Japan	Saint Kitts & Nevis	

# TULARE COUNTY SUSTAINABLE AGRICULTURAL REPORTING

Pest	Agent/Mechanism	Program Scope
<b>COUNTY BIOLOGICAL CONTROL</b>		
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia inaron</u> Ladybird Beetles <u>Cleitostethus arcuatus</u>	Upon demand  2 sites
Comstock Mealybug <u>Pseudococcus comstocki</u>	Parasitic Wasps <u>Pseudaphycus malinus</u> <u>Allotropia burrelli</u>	  Upon demand
Cottony-Cushion Scale <u>Icerya purchasi</u>	Parasitic Fly <u>Cryptochetum iceryae</u> Vedalia Beetle <u>Rodolia cardinalis</u>	3 sites  6 sites*
Italian Thistle <u>Carduus pycnocephalus</u>	Seed Head Weevil <u>Rhinocylus conicus</u>	3 sites
Milk Thistle <u>Silybum marianum</u>	Seed Head Weevil <u>Rhinocylus conicus</u>	Upon demand
Mulberry Whitefly <u>Tetraleurodes mori</u>	Ladybird Beetle <u>Delphastus pusillus</u>	3 sites
Puncture Vine <u>Tribulus terrestris</u>	Seed & Stem Weevils <u>Microlarinus lareynii</u> <u>Microlarinus lypriformis</u>	Upon demand
Russian Thistle <u>Salsola australis</u>	Casebearer Moth <u>Coleophora klimeschiella</u>	1 site
Western Grapeleaf Skeletonizer <u>Harrisina brillians</u>	Virus collection for CDFA Biological Control Lab	3 sites
Yellow Star Thistle <u>Centaurea solstitialis</u>	Flower Head Weevil <u>Bangasternus orientalis</u> Hairy Weevil <u>Eustenopus villosus</u> Gall Fly <u>Urophora sirunaseva</u>	2 sites  1 site  2 sites
<b>COUNTY PEST ERADICATION</b>		
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	139,800 acres 2 growers cited
<b>COUNTY PEST EXCLUSION</b>		
Mexican Fruit Fly <u>Anastrepha ludens</u>	Retail/Wholesale	4 rejections/ destroyed
Citrus Tristeza Virus	Retail/Wholesale	2 rejections/ destroyed

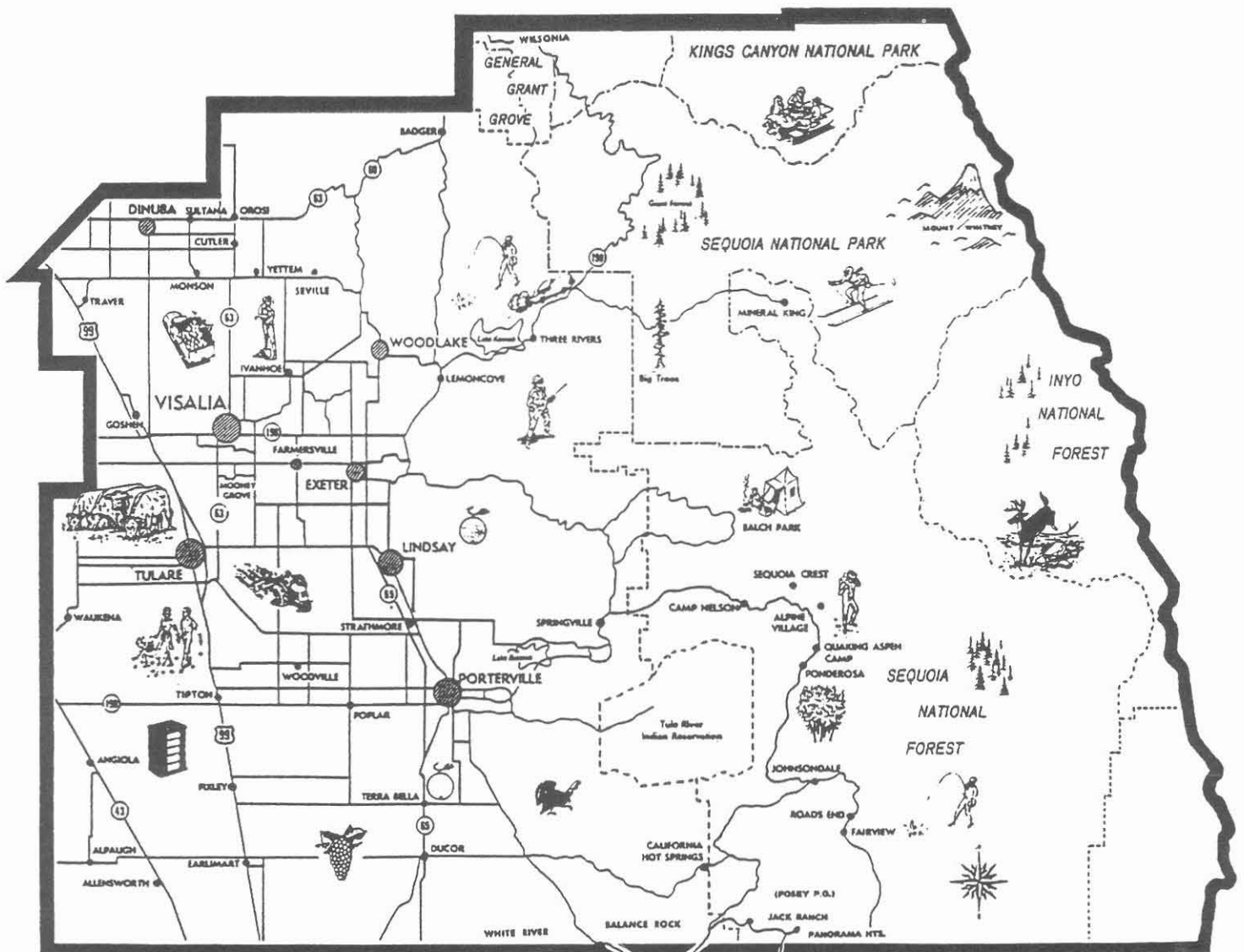
\* 600 collected for National Zoo, Washington D.C.

## ORGANIC FARMING STATISTICS

Crops	Estimated Acres
Citrus, Grapes, Herbs, Kiwifruit, and Tree Fruit	3,000

# TULARE COUNTY PROFILE

Square Miles:	4,935 or 3,158,400 Acres
Highest Point:	14,495 Feet, Mt. Whitney
Lowest Point:	193 Feet, located West of Alpaugh
Population:	1980 - 234,843 1991 - 330,000
Climate:	Mediterranean
Rainy Season:	October through April
Precipitation (inches) Average:	10.15 Annually Jan.      Apr.      Jul.      Oct. 1.77      0.99      0.01      0.59
Average Farm Size:	239 Acres
Number of Farms:	5,911
Landholdings by Foreign Owners:	79 Parcels Totaling 15,900 Acres



DISTANCES FROM THE CENTER OF TULARE COUNTY TO:

Sacramento	212 Miles	Los Angeles	185 Miles	Fresno	45 Miles	Yosemite	
San Francisco	225 Miles	Sequoia Nat'l Park	52 Miles	Bakersfield	72 Miles	Nat'l Park	141 Miles



## A SPECIAL THANK YOU

The high quality printing of the 1994 Tulare County Agricultural Crop and Livestock Report was made possible by the generous contributions of the Walnut Growers and handlers listed below. Without their support the publication of such a report would not have been possible.

Berberian Nut Company  
A Conagra Company  
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Crain Ranch  
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1-209-784-8243

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