

1993 TULARE COUNTY
AGRICULTURAL
CROP AND
LIVESTOCK REPORT





AGRICULTURAL COMMISSIONER/SEALER



AGRICULTURAL BUILDING • 2500 BURREL AVE. • VISALIA, CA 93291-4584 • (209) 733-6391

LENORD L. CRAFT

1994

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AND

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In accordance with the provisions of Section 2272 & 2279 of the California Agricultural Code, I am pleased to submit the Annual Crop Report of the acreage, production, and valuation of the agricultural commodities produced in Tulare County during the calendar year 1993. 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 should maintain its number one ranking.

The important issues of the previous few years, ie, freezing temperatures and drought, were not significant factors for the 1993 crop season. The effects of the deep freeze of December 1990 are finally behind us. Lemons and Avocados both made marked progress toward normal production. The drought too, played a lessening part in the problems that farmers are forced to deal with on a daily basis. Above-normal rainfall, excellent growing conditions, and the continued growth of the dairy industry, again allowed us to report another record year in agricultural receipts of \$2,365,202,000.

I wish to express my sincere appreciation to the many producers, processors and agencies, both private and governmental, who 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,

Leonard L. Craft
Agricultural Commissioner/Sealer

FIELD CROP DIVERSITY IN TULARE COUNTY

By Carol Frate, Agronomy Farm Advisor
University of California Cooperative Extension

In the 1870's Tulare County underwent a transition from open cattle rangeland to widespread grain farming, and in that way "field crops" became established as an important contributor to the economy and the agriculture of the county. Widespread grain production peaked in the 1880's and 1890's when harvesters, pulled by 36 or more horses or mules and with a crew of 10 or more, could be seen in the ripened fields. Since then, a wide assortment of field crops has been grown in the county. Cotton, which was highlighted in the 1992 Tulare County Crop Report, commands the most acreage at this time, but over 308,000 acres are planted to other field crops. The various field crops grown in the past, those grown now, and those to be grown in the future contribute to a diversity that helps the economy, encourages the beneficial practice of crop rotation, and reduces the risk for growers who might otherwise depend on just one or two crops.

Alfalfa, first planted in Tulare county in 1860, is now the county's second most widely grown field crop. Acreage varies from 75,000 to over 100,000 acres. The major market is the large dairy industry in the county which values alfalfa for its combination of calcium, fiber, and protein content. Alfalfa, harvested seven to nine times during the year, is valued by growers for the cash flow it contributes to their operation and the beneficial effect it has in crop rotations. Most alfalfa is baled as dry hay. Less frequently it is cut and fed green or ensiled in plastic bags.

Corn was planted on over 67,000 acres in 1992, 85% of which was for silage on dairies. The increase in silage corn acreage has coincided with the growth of the dairy industry over the past decade. With a selection of short to long season varieties, many of which the farmer can choose to grow either for grain or silage, corn provides growers with flexibility in marketing and in crop rotations.

Not far behind corn in acreage is the combined acreage for the "small grains," wheat, barley, and oats. Similar to corn, utilization of these crops in the past decade has shifted from primarily grain production to an increasing role as dairy feed, in which case it is cut in the boot to soft dough stage and ensiled.

California is the nation's leading producer of blackeye cowpeas, locally called blackeye beans but known as "southern peas" in the southeastern United States. The dry seed produced is marketed mostly to the southern states with some exported to foreign countries. Tu-

ulare County is one of the main blackeye producing areas in California. Most blackeyes grown in the county are cleaned, bagged, and shipped from Cal Bean and Grain, a farmer-owned warehouse cooperative. Established in 1959, it can be seen from High way 99 near Pixley.

The history of sugarbeets in the county goes back many decades. At the time there was a sugar processing plant in the county, but now most Tulare grown beets are processed by the Spreckels factory in Mendota. In 1992, enough sugarbeets were produced on slightly over 2,000 acres to provide every county resident with over 380 pounds of sugar!

Some crops, once grown in the county, are no longer produced here. Flax was grown during World War II. Castor beans were grown in the later 1940's and off and on through 1961. Rice was grown up until the early 1980's, primarily to reclaim alkali land because the water used in its production would leach salts below the root zone. In the 1970's, growers experimented with soybeans.

Crops continue to be evaluated for a possible fit into Tulare County's field crop production. Garbanzo beans, formerly only grown on the California coast in spring and summer, are being planted in November and December in the San Joaquin Valley with success. The first commercial fields in Tulare were harvested last year. Lupins are being developed for animal consumption. Both of these crops provide the advantages of growing in winter, which reduces the need to irrigate, and, as legumes, they do not need nitrogen fertilization. Kenaf, a fiber crop in the same family as cotton, is grown for specialty markets and may have potential as a biomass crop for co-generation plants or alcohol production. Introductions of new crops can be a difficult and long-term endeavor as farming equipment, processing, markets, and crop production practices have to develop step by step.

Crop diversity contributes to the vigor and success of field crop producers and the agricultural economy of the county. In a farming system that has the advantage of crop selection, growers can rotate crops, reducing many disease, pest, and weed problems. Legumes, such as alfalfa, blackeyes, garbanzos and lupins, can enrich the nitrogen balance in the soil because of their ability to fix nitrogen in association with *Rhizobia* bacteria. Wheat, barley, oats, and other winter grown crops can utilize rainfall, reducing the need and cost of irrigation. These can be followed by summer "double crops" which contribute to the farm's income. Alfalfa, with its multiple harvests, improves cash flow during the summer season. Diverse cropping means diverse markets and less dependence on any one commodity price for producers, reducing risk and stabilizing the overall farm economy.

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TULARE COUNTY AGRICULTURAL ACREAGE STATISTICS

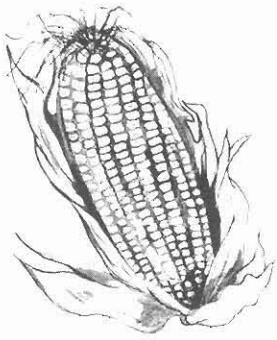
ORCHARD CROPS	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
<u>CITRUS</u>			
Grapefruit	639	587	1,226
Lemons	4,067	149	4,216
Limes	6	0	6
Navels	67,777	2,474	70,251
Valencias	29,257	1,556	30,813
Tangerines	1,617	221	1,838
TOTAL	103,363	4,987	108,350
<u>DECIDUOUS AND GRAPES</u>			
Almonds	10,866	253	11,119
Apples	2,129	35	2,164
Apricots	775	40	815
Avocados	865	11	876
Cherries	244	233	477
Figs	71	0	71
Grapes			
Raisin	36,923	739	37,662
Table	25,905	1,973	27,878
Wine	10,752	139	10,891
Kiwifruit	1,802	2	1,804
Nectarines	13,767	1,372	15,139
Olives	15,238	2,678	17,916
Peaches			
Cling	1,376	36	1,412
Freestone	9,841	1,133	10,974
Pears & Asian Pears	632	134	766
Pecans	770	350	1,120
Persimmons	893	42	935
Pistachio Nuts	5,462	739	6,201
Plums	20,693	689	21,382
Pomegranates	1,129	0	1,129
Prunes	6,597	578	7,175
Quince	173	13	186
Walnuts	25,087	1,713	26,800
Miscellaneous <u>A/</u>	75	0	75
TOTAL			
Total Grapes	73,580	2,851	76,431
Total Orchard Crops	221,848	15,038	236,886
GRAND TOTAL	295,428	17,889	313,317

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	1993	76,900	8.13	625,000	Ton	99.80	62,375,000
	1992	87,800	8.00	702,000	Ton	84.00	58,968,000
Silage <u>A</u> /	1993	X	3.00	76,900	Ton	26.00	1,999,000
	1992	X	3.10	90,700	Ton	23.70	2,150,000
Barley	1993	24,200	2.10	50,800	Ton	114.00	5,791,000
	1992	27,700	2.00	55,400	Ton	114.00	6,316,000
Beans - Dry	1993	7,970	1.28	10,200	Ton	691.00	7,048,000
	1992	7,400	1.25	9,250	Ton	623.00	5,763,000
Corn - Grain	1993	14,600	5.10	74,500	Ton	103.00	7,674,000
	1992	10,200	5.00	51,000	Ton	110.00	5,610,000
Silage	1993	56,100	24.00	1,346,000	Ton	18.30	24,632,000
	1992	56,800	24.90	1,414,000	Ton	19.00	26,866,000
Cotton - Lint <u>B</u> /	1993	144,600	1,340.00	391,000	Bale	70.10	137,201,000
	1992	145,000	1,290.00	378,000	Bale	67.00	126,589,000
Seed	1993	X	X	164,000	Ton	162.00	26,568,000
	1992	X	X	159,000	Ton	148.00	23,532,000
Pasture & Range Irrigated	1993	12,400	X	X	Acre	110.00	1,364,000
	1992	12,300	X	X	Acre	110.00	1,353,000
Native	1993	650,000	X	X	Acre	11.00	7,150,000
	1992	650,000	X	X	Acre	10.00	6,500,000
Other	1993	51,000	X	X	Acre	12.00	612,000
	1992	60,000	X	X	Acre	12.00	720,000
Silage - Small Grain <u>C</u> /	1993	44,300	16.50	731,000	Ton	16.50	12,062,000
	1992	39,300	13.20	519,000	Ton	15.00	7,785,000
Sorghum Grain	1993	1,610	2.16	3,480	Ton	101.00	351,000
	1992	3,400	2.75	9,350	Ton	98.00	916,000
Sugar Beets	1993	3,220	27.00	86,900	Ton	33.00	2,868,000
	1992	2,300	27.00	62,100	Ton	34.00	2,111,000



FIELD CROPS

	Year	Harvested Acreage	Per Acre	Production	Unit	Per	Value
				Total		Unit	Total
Wheat	1993	41,600	2.54	106,000	Ton	115.00	12,190,000
	1992	37,100	2.50	92,800	Ton	120.00	11,136,000
Miscellaneous <u>D/</u>	1993	35,900	X	X	X	X	3,300,000
	1992	36,900	X	X	X	X	5,401,000
TOTAL	1993	1,164,400					313,185,000
	1992	1,176,200					291,716,000

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 hundred-weight.

C/ Includes Barley, Oats, and Winter Forage.

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



SEED CROPS

	Production					Value	
	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Cotton - Registered or Certified <u>A/</u>	1993	3,465	X	2,580	Ton	215.00 <u>B/</u>	555,000
	1992	4,682	X	1,830	Ton	180.00	329,000
Wheat - Registered or Certified	1993	4,461	2.62	11,700	Ton	120.00	1,404,000
	1992	10,300	2.60	26,800	Ton	130.00	3,484,000
Miscellaneous <u>C/</u>	1993	1,031	X	X	X	X	566,000
	1992	564	X	X	X	X	302,000
TOTAL	1993	5,492					2,525,000
	1992	10,864					4,115,000

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

B/ Includes \$30 per acre approval.

C/ Includes Barley, Carolina Sugar Peas, Cowpeas, Lettuce, Onions, and Safflower.



VEGETABLE CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Broccoli	1993	2,005	4.51	9,040	Ton	364.00	3,291,000
	1992	2,240	4.59	10,300	Ton	556.00	5,727,000
Cauliflower	1993	1,236	4.06	5,020	Ton	477.00	2,395,000
	1992	707	4.02	2,840	Ton	473.00	1,343,000
Cucumbers - Fresh	1993	285	6.80	1,940	Ton	440.00	854,000
	1992	811	12.80	10,400	Ton	620.00	6,448,000
Tomatoes - Fresh	1993	172	8.81	1,520	Ton	464.00	705,000
	1992	594	17.80	10,600	Ton	613.00	6,498,000
Miscellaneous <u>A/</u>	1993	8,009	X	X	X	X	38,602,000
	1992	9,780	X	X	X	X	27,921,000
TOTAL	1993	11,707					45,847,000
	1992	14,132					47,937,000

A/ Includes: Asparagus, Beets, Bittermelon, Cabbage, Cactus, Cantaloupe, Carrots, Casaba Melons, Chayote, Dill, Eggplant, Garlic, Gourds, Herbs, Honeydew Melons, Lettuce, Okra, Onions, Oriental Vegetables, Peas, Peppers, Potatoes, Pumpkins, Radishes, Snap Beans, Spinach, Squash, Sugar Peas, Sunchoke, Sweet Corn, Tomatillos, Tomatoes (processed), and Watermelons.



INDUSTRIAL CROPS

	Reporting Year	Production		Value	
		Total	Unit	Per Unit	Total
Timber Harvested <u>A/</u>	1993	43,472,000	Board Ft.	0.130	5,651,000
	1992	60,100,000	Board Ft.	0.057	3,426,000
Miscellaneous <u>B/</u>	1993	X	X	X	761,000
	1992	X	X	X	570,000
TOTAL	1993				6,412,000
	1992				3,996,000

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 Total	Unit	Per Unit	Value
							Total
Almonds - Meats	1993	10,866	.66	7,170	Ton	3,820.00	27,389,000
	1992	11,139	.65	7,240	Ton	2,510.00	18,172,000
Hulls	1993	X	X	18,200	Ton	65.00	1,183,000
	1992	X	X	17,800	Ton	59.00	1,050,000
Apples	1993	2,129	11.40	24,300	Ton	797.00	19,367,000
	1992	2,011	13.30	26,700	Ton	931.00	24,858,000
Apricots	1993	775	4.73	3,670	Ton	1,050.00	3,854,000
	1992	640	6.67	4,270	Ton	867.00	3,702,000
Avocados	1993	865	5.04	4,360	Ton	517.00	2,254,000
	1992	1,274	1.86	2,370	Ton	449.00	1,064,000
Cherries*	1993	244	1.52	371	Ton	3,100.00	1,150,000
	1992	X	X	X	X	X	X
Grapes - Total	1993	73,580	X	X	X	X	377,650,000
	1992	74,256	X	X	X	X	327,991,000
Raisin Varieties	1993	36,923	10.10	X	X	X	X
	1992	36,882	9.57	X	X	X	X
Canned	1993	X	X	22,900	Ton	233.00	5,336,000
	1992	X	X	27,900	Ton	230.00	6,417,000
Crushed <u>A</u> /	1993	X	X	74,700	Ton	154.00	11,504,000
	1992	X	X	115,000	Ton	175.00	20,125,000
Dried <u>B</u> /	1993	X	X	30,000	Ton	905.00	27,150,000
	1992	X	X	26,500	Ton	1,020.00	27,030,000
Fresh	1993	X	X	140,000	Ton	903.00	126,420,000
	1992	X	X	97,600	Ton	760.00	74,176,000
Juice	1993	X	X	2,230	Ton	487.00	1,086,000
	1992	X	X	3,920	Ton	485.00	1,901,000
Table Varieties	1993	25,905	8.69	X	X	X	X
	1992	25,965	9.05	X	X	X	X
Crushed	1993	X	X	40,100	Ton	129.00	5,173,000
	1992	X	X	72,900	Ton	166.00	12,101,000
Fresh	1993	X	X	185,000	Ton	936.00	173,160,000
	1992	X	X	162,000	Ton	991.00	160,542,000



FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production	Unit	Value	
				Total		Per Unit	Total
Wine Varieties	1993	10,752	11.60	X	X	X	X
	1992	11,409	9.57	X	X	X	X
Crushed	1993	X	X	118,000	Ton	213.00	25,134,000
	1992	X	X	103,000	Ton	225.00	23,175,000
Juice	1993	X	X	6,490	Ton	414.00	2,687,000
	1992	X	X	6,170	Ton	409.00	2,524,000
Grapefruit - Fresh C/	1993	639	9.90	6,330	Ton	695.00	4,399,000
	1992	506	16.00	8,100	Ton	1,020.00	8,262,000
Kiwifruit	1993	1,802	10.20	18,400	Ton	1,410.00	25,944,000
	1992	2,000	10.40	20,800	Ton	1,460.00	30,368,000
Lemons - Fresh	1993	4,067	5.80	12,300	Ton	646.00	7,946,000
	1992	3,921	0.25	807	Ton	655.00	529,000
Processed	1993	X	X	11,300	Ton	55.00	622,000
	1992	X	X	165	Ton	73.50	12,100
Nectarines - Fresh	1993	13,767	5.23	72,000	Ton	710.00	51,120,000
	1992	12,236	9.24	113,000	Ton	601.00	67,913,000
Olives - Canning	1993	15,238	3.90	42,200	Ton	500.00	21,100,000
	1992	14,861	6.72	66,000	Ton	715.00	47,190,000
Other	1993	X	X	17,300	Ton	278.00	4,809,000
	1992	X	X	33,900	Ton	336.00	11,390,000
Oranges - Navel	1993	67,777	12.30	614,000	Ton	399.00	244,986,000
	1992	66,298	11.00	579,000	Ton	429.00	248,391,000
Processed	1993	X	X	221,000	Ton	25.00	5,525,000
	1992	X	X	150,000	Ton	67.00	10,050,000
Valencia	1993	29,257	10.80	242,000	Ton	421.00	101,882,000
	1992	28,240	14.00	246,000	Ton	351.00	86,346,000
Processed	1993	X	X	73,200	Ton	50.00	3,660,000
	1992	X	X	149,000	Ton	97.50	14,528,000
Peaches - Cling	1993	1,376	16.50	22,700	Ton	224.00	5,085,000
	1992	1,306	19.50	25,500	Ton	225.00	5,738,000
Freestone - Fresh	1993	9,841	5.56	54,700	Ton	878.00	48,027,000
	1992	9,118	8.00	72,900	Ton	507.00	36,960,000



FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Pears & Asian Pears	1993	632	8.09	5,110	Ton	1,310.00	6,694,000
	1992	587	4.30	2,520	Ton	1,100.00	2,772,000
Pecans	1993	770	.55	424	Ton	2,420.00	1,026,000
	1992	638	.86	549	Ton	3,300.00	1,812,000
Persimmons	1993	893	5.79	5,170	Ton	1,300.00	6,721,000
	1992	1,121	5.41	6,060	Ton	1,200.00	7,272,000
Pistachio Nuts <u>D/</u>	1993	5,462	1.03	5,630	Ton	2,870.00	16,158,000
	1992	4,987	.89	4,440	Ton	2,440.00	10,834,000
Plums - Fresh	1993	20,693	5.30	110,000	Ton	881.00	96,910,000
	1992	19,890	6.20	123,000	Ton	585.00	71,955,000
Pomegranates	1993	1,129	4.00	4,520	Ton	980.00	4,430,000
	1992	1,155	3.20	3,700	Ton	754.00	2,790,000
Prunes - Processed	1993	6,597	2.24 <u>E/</u>	14,600	Ton	1,200.00	17,520,000
	1992	5,826	2.63	15,100	Ton	980.00	14,798,000
Fresh <u>E/</u>	1993	X	X	616	Ton	1,450.00	893,000
	1992	X	X	709	Ton	1,000.00	709,000
Tangerines <u>F/</u>	1993	1,617	8.47	13,700	Ton	642.00	8,795,000
	1992	1,462	9.11	13,300	Ton	659.00	8,765,000
Walnuts	1993	25,087	1.73	43,400	Ton	1,510.00	65,534,000
	1992	25,915	.85	22,000	Ton	1,530.00	33,660,000
Miscellaneous <u>G/</u>	1993	313	X	X	X	X	2,500,000
	1992	393	X	X	X	X	2,895,000
TOTAL	1993	295,416					1,185,133,000
	1992	289,780					1,102,776,100

A/ Includes green weight raisins for distillery materials.

B/ A combined value reflecting free and reserve tonnage.

C/ Includes Pummelos.

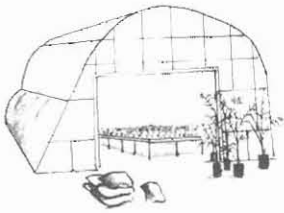
D/ Dry weight basis.

E/ Green weight basis.

F/ Includes Tangelos and Tangors.

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

* Not reported in 1992.



NURSERY PRODUCTS

	Year	Quantity Sold	Unit	Value	
				Per Unit	Total
Citrus and Subtropical Trees	1993	456,000	Each	7.39	3,370,000
	1992	596,000	Each	5.70	3,397,000
Deciduous Fruit and Nut Trees	1993	571,000	Each	6.34	3,620,000
	1992	575,000	Each	4.42	2,542,000
Grape & Berry Vines	1993	3,794,000	Each	.617	2,341,000
	1992	3,963,000	Each	.510	2,021,000
Foliage Plants & Cut Flowers	1993	X	X	X	2,186,000
	1992	X	X	X	1,963,000
Ornamental Trees & Shrubs	1993	1,230,000	Each	6.63	8,155,000
	1992	1,130,000	Each	5.95	6,724,000
Miscellaneous <u>A/</u>	1993	X	X	X	2,583,000
	1992	X	X	X	2,992,000
TOTAL	1993				22,255,000
	1992				19,639,000

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

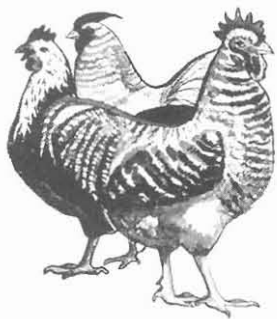


APIARY PRODUCTS

	Year	Total	Unit	Value	
				Per Unit	Total
Honey - Orange <u>A/</u>	1993	4,275,000	Lb.	.51	2,180,000
	1992	4,727,000	Lb.	.53	2,505,000
Other	1993	3,496,000	Lb.	.47	1,643,000
	1992	3,001,000	Lb.	.51	1,531,000
Beeswax	1993	170,000	Lb.	1.35	230,000
	1992	100,000	Lb.	1.84	184,000
Pollination <u>B/</u>	1993	65,800	Colony	28.00	1,842,000
	1992	74,600	Colony	24.00	1,790,000
TOTAL	1993				5,895,000
	1992				6,010,000

A/ From bee colonies registered in Tulare County during 1993 citrus bloom period.

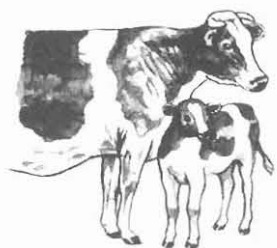
B/ Estimated number of colonies required for adequate pollination.



LIVESTOCK AND POULTRY

	Year	No of Head	Total Liveweight	Unit	Per Unit	Value Total
Cattle & Calves	1993	319,000	X	Head	746.00	237,974,000
	1992	324,000	X	Head	731.00	236,844,000
Lambs	1993	8,750	831,000	Lb.	.671	558,000
	1992	9,270	881,000	Lb.	.629	554,000
Hogs & Pigs	1993	269,000	X	Head	114.00	30,666,000
	1992	230,000	X	Head	107.00	24,610,000
Turkeys	1993	1,877,000	38,066,000	Lb.	.420	15,988,000
	1992	945,000	19,428,000	Lb.	.379	7,363,000
Miscellaneous <u>A</u> /	1993	X	X	X	X	7,966,000
	1992	X	X	X	X	7,960,000
TOTAL						
	1993					293,152,000
	1992					277,331,000

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> /	1993	1,511,000	Ton	5.06	7,646,000
	1992	1,490,000	Ton	5.00	7,450,000
Milk - Market	1993	42,290,000	Cwt.	11.24	475,340,000
	1992	39,840,000	Cwt.	11.38	453,379,000
Manufacturing	1993	173,000	Cwt.	11.05	1,912,000
	1992	170,000	Cwt.	10.94	1,860,000
Miscellaneous <u>B</u> /	1993	X	X	X	5,900,000
	1992	X	X	X	5,403,000
TOTAL					
	1993				490,798,000
	1992				468,092,000

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	1993	1,164,400	313,185,000
	1992	1,176,200	291,716,000
SEED CROPS	1993	5,492	2,525,000
	1992	10,864	4,115,000
VEGETABLE CROPS	1993	11,707	45,847,000
	1992	14,132	47,937,000
INDUSTRIAL CROPS	1993	X	6,412,000
	1992	X	3,996,000
FRUIT AND NUT CROPS	1993	295,416	1,185,133,000
	1992	289,780	1,102,776,100
NURSERY PRODUCTS	1993	X	22,255,000
	1992	X	19,639,000
APIARY PRODUCTS	1993	X	5,895,000
	1992	X	6,010,000
LIVESTOCK AND POULTRY	1993	X	293,152,000
	1992	X	277,331,000
LIVESTOCK AND POULTRY PRODUCTS	1993	X	490,798,000
	1992	X	468,092,000
GRAND TOTAL	1993	1,477,015	2,365,202,000
	1992	1,490,976	2,221,612,100

1993 MILLION DOLLAR PRODUCTS

1993 Ranking

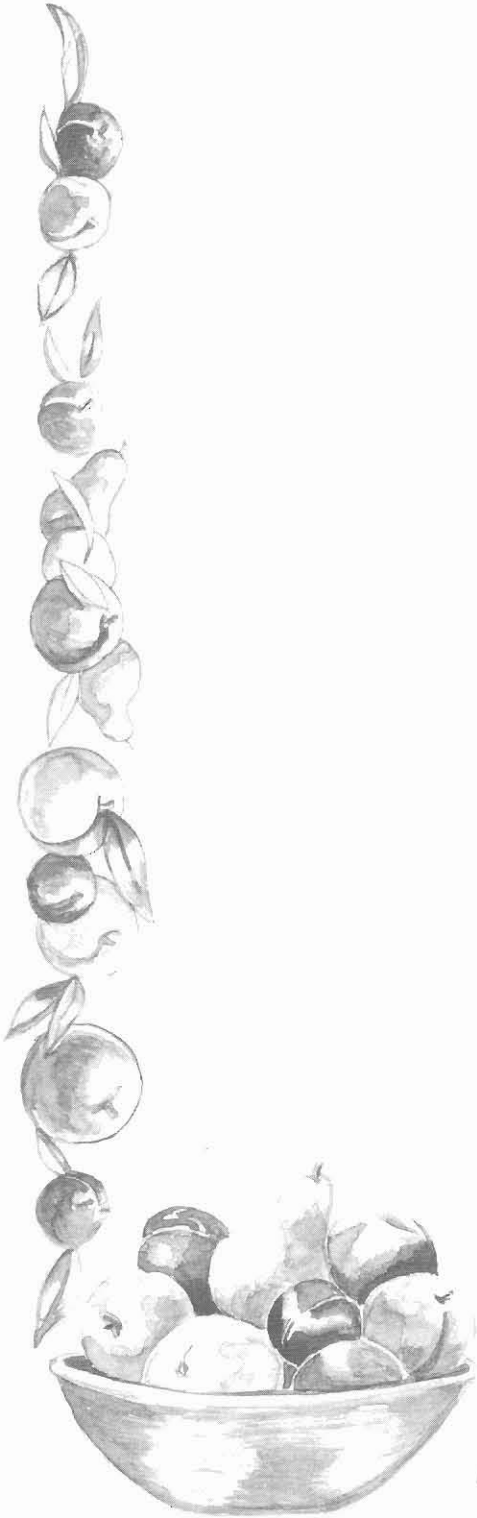
1992 Ranking

1. Milk	477,252,000	1
2. Grapes	377,650,000	3
3. Oranges - Navel & Valencia	356,053,000	2
4. Cattle & Calves	237,974,000	4
5. Cotton - Lint & Seed	164,324,000	5
6. Plums	96,910,000	6
7. Walnuts	65,534,000	11
8. Alfalfa - Hay & Silage	64,374,000	8
9. Peaches - Cling & Freestone	53,112,000	10
10. Nectarines	51,120,000	7
11. Corn - Grain & Silage	32,306,000	12
12. Hogs & Pigs	30,666,000	15
13. Almonds	28,572,000	16
14. Kiwifruit	25,944,000	13
15. Olives	25,909,000	9
16. Apples	19,367,000	14
17. Prunes	18,413,000	17
18. Pistachio Nuts	16,158,000	19
19. Turkeys	15,988,000	25
20. Wheat	13,594,000	18
21. Silage - Small Grain	12,062,000	23
22. Pasture & Range	9,126,000	21
23. Tangerines	8,795,000	20
24. Lemons	8,568,000	**
25. Nursery - Ornamental Trees & Shrubs	8,155,000	27
26. Manure	7,646,000	24
27. Beans - Dry	7,048,000	31
28. Persimmons	6,721,000	26
29. Pears & Asian Pears	6,694,000	38
30. Barley	5,791,000	30
31. Timber Harvested	5,651,000	35
32. Pomegranates	4,430,000	37
33. Grapefruit	4,399,000	22
34. Apricots	3,854,000	34
35. Honey	3,823,000	33
36. Nursery - Deciduous Fruit & Nut Trees	3,620,000	39
37. Nursery - Citrus & Subtropical Trees	3,370,000	36
38. Broccoli	3,291,000	32
39. Sugar Beets	2,868,000	40
40. Cauliflower	2,395,000	45
41. Nursery - Grape & Berry Vines	2,341,000	41
42. Avocados	2,254,000	46
43. Nursery - Foliage Plants & Cut Flowers	2,186,000	42
44. Pollination	1,842,000	44
45. Cherries	1,150,000	**
46. Pecans	1,026,000	43

** Not Reported in 1992

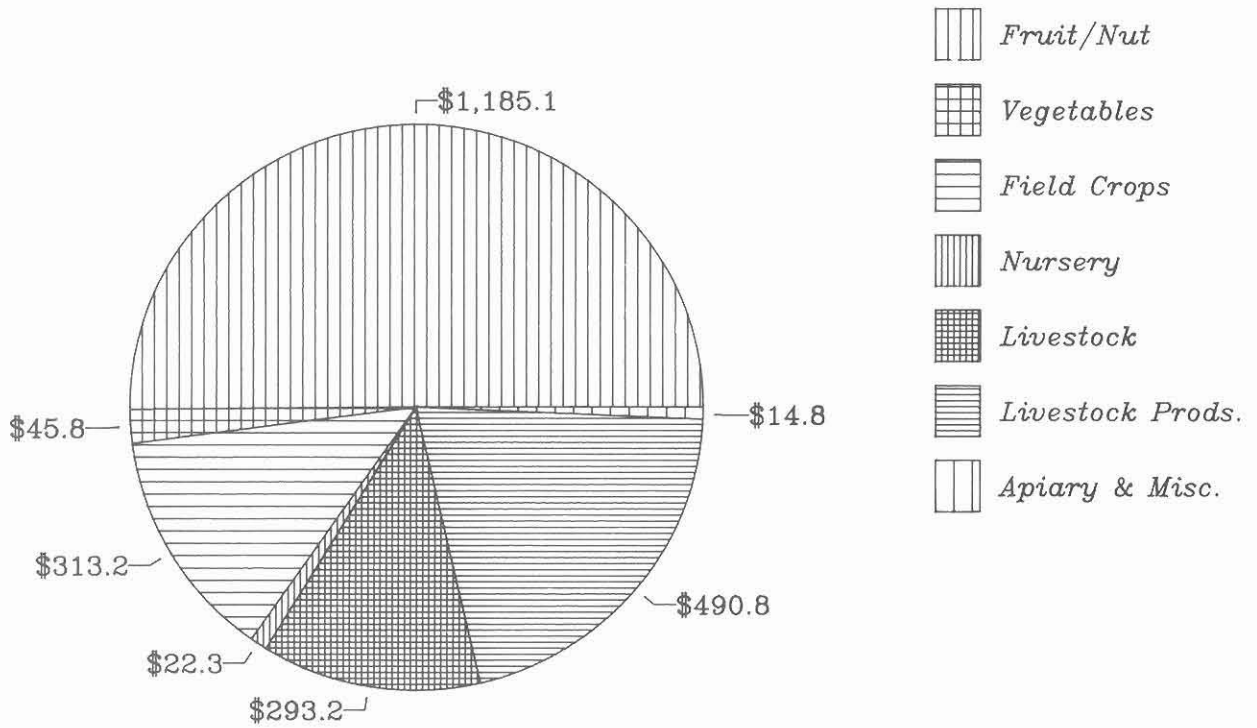
TWENTY YEAR COMPARISON OF AGRICULTURE INCOME IN TULARE COUNTY 1974-1993

1974	682,454,000
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



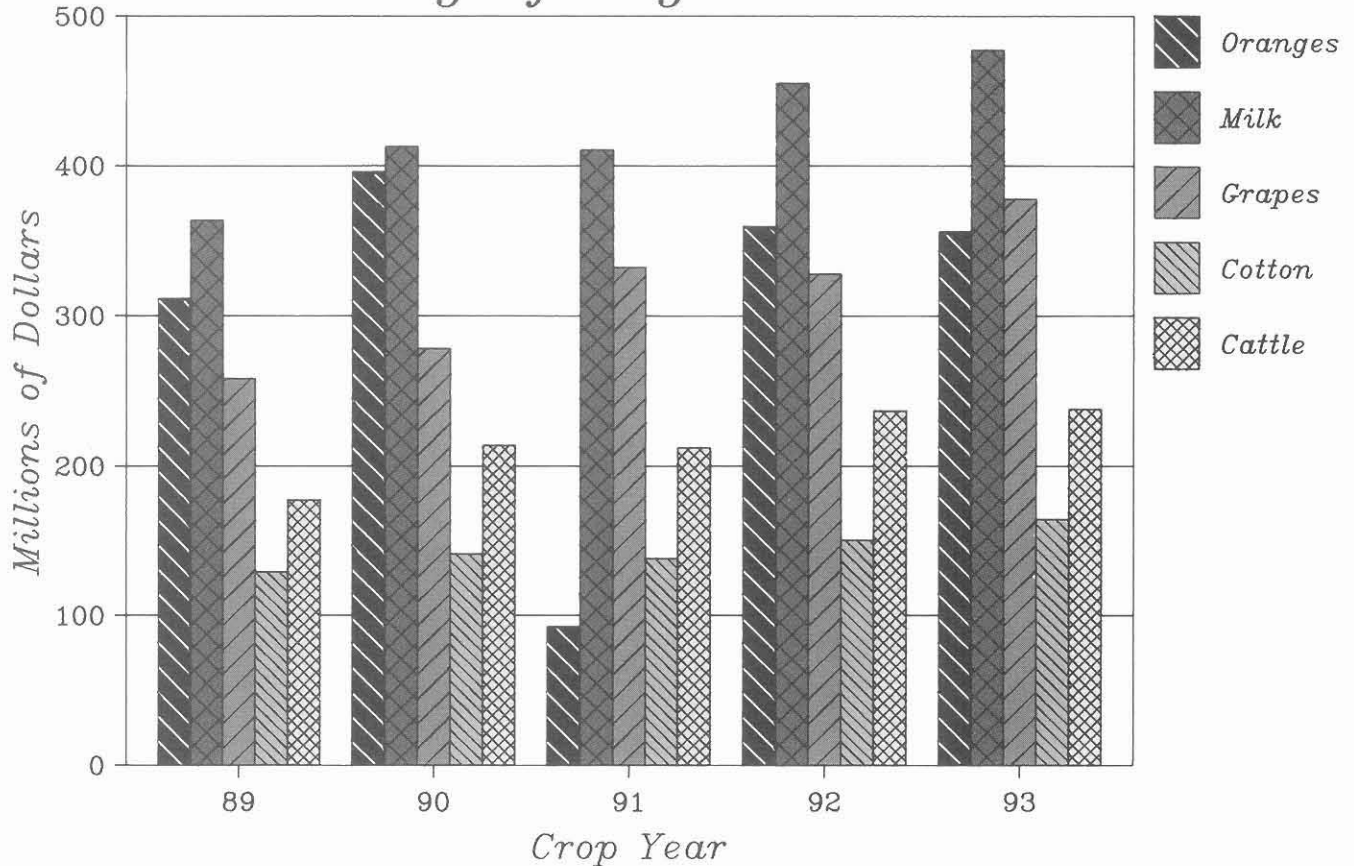
TULARE COUNTY – 1993

Total Value \$2,365,202,000



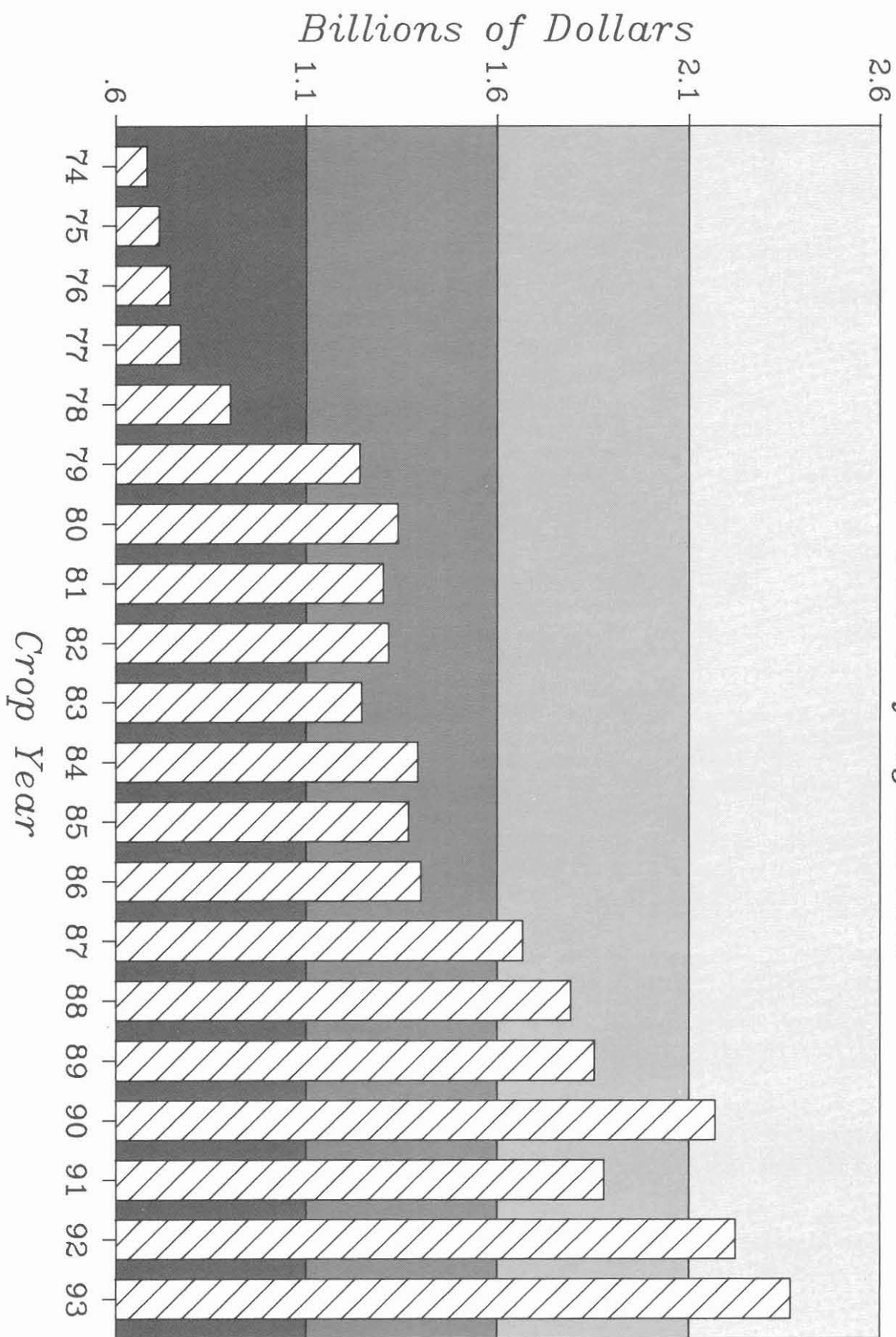
Millions of Dollars

History of Key Commodities



TULARE COUNTY

20 Years of Ag Income



TULARE COUNTY SUSTAINABLE AGRICULTURE

Pest	Agent/Mechanism	Program Scope
COUNTY BIOLOGICAL CONTROL		
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia nr. partenopea</u>	Upon demand
	Ladybird Beetle <u>Cleitostethus arcuatus</u>	2 sites
Comstock Mealybug <u>Pseudococcus comstocki</u>	Parasitic Wasps <u>Pseudaphycus malinus</u>	Upon demand
	<u>Allotropa burrelli</u>	
Cottony-Cushion Scale <u>Icerya purchasi</u>	Parasitic Fly <u>Cryptochetum icervae</u>	3 sites
	Vedalia Beetle <u>Rodolia cardinalis</u>	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>	1 site**
	<u>Microlarinus lypriformis</u>	
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>	Seed Head Weevil & Fly <u>Bangasternus orientalis</u>	2 sites
	<u>Urophora sirunaseva</u>	1 site
COUNTY PEST ERADICATION		
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	144,600 acres 3 growers cited
COUNTY PEST EXCLUSION		
Burrowing Nematode <u>Radopholus similis</u>	UPS/Postal Shipments	1 rejection/ returned
Citrus Tristeza Virus	Retail/Wholesale	4 rejections/ returned or destroyed
Ozonium Root Rot <u>Phymatotrichum omnivorum</u>	Retail	2 rejections/ returned

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

**Collections made for release in San Luis Obispo County.

ORGANIC FARMING STATISTICS

Crops
Citrus, Grapes, Herbs, Kiwifruit, and Tree Fruit

Estimated Acres
3,500