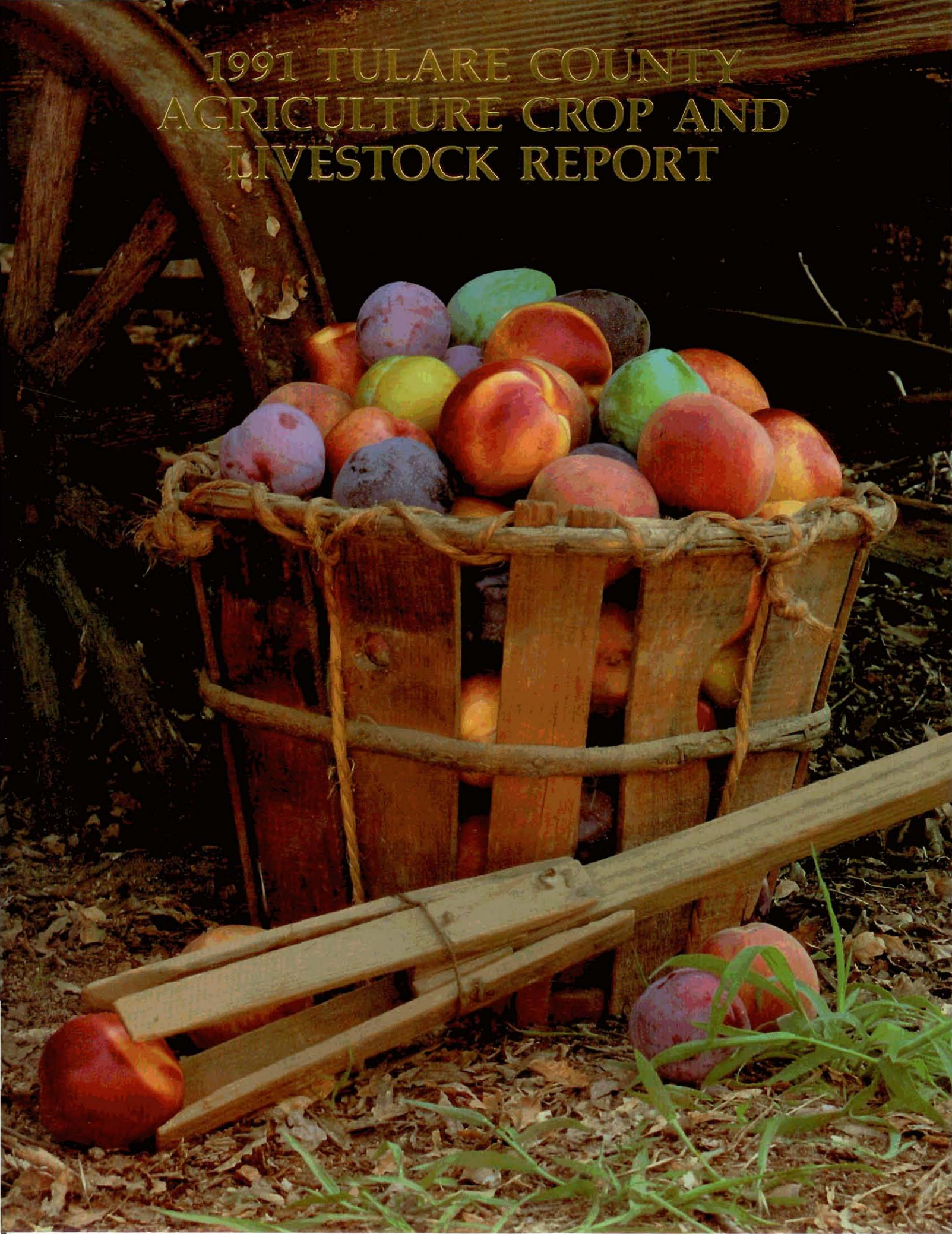


1991 TULARE COUNTY AGRICULTURE CROP AND LIVESTOCK REPORT



AGRICULTURAL COMMISSIONER/SEALER



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

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

1992

AND

THE HONORABLE BOARD OF SUPERVISORS
COUNTY OF TULARE

Lorie Mangine, Chair
Jim Maples Charles Harness
Jerry Magoon Clyde R. Gould

Lou Fernandez,
County Executive Officer

In accordance with the provisions of Section 2272 & 2279 of the California Agricultural Code, I am pleased to submit the Annual Agricultural Crop Report of the acreage, production and valuation of the agricultural commodities produced in Tulare County during the calendar year 1991. 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.

It should be noted that the effects of the devastating December 1990 freeze are reflected in this report. Damage to citrus, avocados and olives resulted in combined losses of over \$330,000,000. Losses were also seen in field crops due to the ongoing drought. This report reflects what we anticipate to be a temporary decline in valuation of 13%.

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

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Lenord L. Craft".

Lenord L. Craft
Agricultural Commissioner/Sealer

A FIFTY YEAR RETROSPECTIVE OF THE TULARE COUNTY STONE FRUIT INDUSTRY

by
Kevin R. Day
Deciduous Fruit Farm Advisor
University of California Cooperative Extension

The deciduous stone fruit industry has undergone great change during the last 50 years. In the early 1940's, the Santa Clara Valley, south of San Francisco, was the heart of the California fruit industry. Tulare County was a quiet area relatively free from metropolitan influence. Agriculture was the largest industry in Tulare County, contributing about \$50 million to the local economy. Deciduous stone fruits had a value of about \$1 million, or roughly 2% of the county total.

In the early 1940's the most widely planted stone fruit in the area was peaches. There were nearly 10,000 acres in Tulare County. The main variety was Elberta, a versatile peach which could be canned, dried, or shipped fresh. There were about 2600 acres of plums in the county. Santa Rosa, introduced to California in 1907 by the prolific horticulturist, Luther Burbank, was by far the most important plum variety. Most people had not yet heard of nectarines — there were only about 120 acres in the entire state. The dominant varieties were Quetta and John Rivers, small, green-skinned, white-fleshed fruits with little similarity to the varieties of today. Difficult to grow, and even more difficult to pack and ship fresh, the value of all nectarines grown in Tulare County in 1940 was only \$20,700.

In those days processing fruit was of great importance to the local industry. The armed forces were using large amounts of canned and dried fruit to feed those involved in the war effort. As a result, more than half of the peaches, nectarines, and apricots were processed. Canning peaches had a gross value of about \$145/acre, fresh peaches about \$45/acre, fresh plums about \$185/acre, and the relatively exotic nectarine about \$250/acre.

During the 1940's the harvest season began in early June and lasted until about mid-August. Fruit sizing and packing was done entirely by hand. Cold storages were refrigerated by blocks of ice installed in bunkers in the walls of the storage. Fruit was transported to eastern markets exclusively by railcar. Mules and horses were just beginning to be replaced by tractors.

Fifty years later the principal fruit growing area of the state has shifted from the Santa Clara Valley to the central San Joaquin Valley. Tulare and Fresno counties have become the two most powerful agricultural areas in the United States. Urbanization, which destroyed agriculture in the Santa Clara Valley, is threatening to do the same to the central valley. A six-year drought has caused wells to go dry and has left reservoirs empty.

Despite all of this, agriculture in Tulare County continues to thrive. In 1990 the total crop value of all stone fruits was about \$210 million, roughly 10% of the total county value — a 200-fold increase since 1940. Tulare County now leads the state, and world, in acreage and production of fresh-market plums. There are more than 18,000 acres of plums grown here; and while newer varieties are becoming more important, Luther Burbank's venerable Santa Rosa is still the most widely grown.

The nectarine industry has blossomed from a "poor-cousin" afterthought into the second most planted stone fruit in Tulare County. Two of the men primarily responsible for this change are plant breeder Fred Anderson and Dinuba grower LeRoy Giannini. Through his breeding program, the late Anderson began to single-handedly transform the older type of nectarine into the large, attractive, highly colored fruit of today. Giannini, a close friend of Anderson and one of the first growers to recognize the potential of this "alternative" fruit, began to put in large plantings of nectarines in the 1950's and 1960's. Seeing his success, other growers quickly followed suit, and today there are about 10,000 acres of nectarines in Tulare County. May Grand, one of the earliest and highest-quality nectarines grown, was introduced by Anderson more than 20 years ago and is still in wide demand.

Of the "Big Three" stone fruits, only peaches have decreased in planted acreage since the 1940's. There are now about 7,700 acres of peaches in Tulare County, down from 10,000 acres in 1940. This is a result of the nearly total elimination of the dried-peach industry in the state, a reduction in the demand for canned peaches, and the explosive growth of the nectarine industry. Fresh-shipping varieties now dominate the local peach acreage. O'Henry, an excellent, high-quality peach suitable for shipping and freezing, is currently the most widely planted variety. O'Henry was developed by the late Grant Merrill of Exeter, who is still world-renowned for his contributions to peach breeding.

Through the efforts of plant breeders like Anderson and Merrill, the harvest season has been extended and now begins in late April and lasts through late September. Large packing-houses are a common sight around the county. Technological advances have led to the development of sophisticated computer-controlled sorting and sizing. Hand labor has been further reduced by the large scale use of bins, pallets, and forklifts. Trucks have virtually replaced railcars as the primary form of fruit transport. And mules are now only a novelty.

Unprecedented growth and change have occurred during these 50 years. New challenges, discoveries, and opportunities will continue to keep the stone fruit industry a growing, active, and vital part of Tulare County.

AGRICULTURAL COMMISSIONER/SEALER OF WEIGHTS & MEASURES

Lenord L. Craft

CHIEF DEPUTY AGRICULTURAL COMMISSIONER

Gary W. Kunkel

DEPUTY AGRICULTURAL COMMISSIONER/SEALERS

William R. Appleby
John O. Pennington
C. Lynn Thomas

SYSTEMS AND PROCEDURES ANALYST

Hector R. Prieto

SUPERVISING AGRICULTURAL & STANDARDS INSPECTORS

Bobby K. Bonds
John R. Carter

Bob Chilton
Thomas Zikratch

STAFF BIOLOGIST

R. Dennis Haines

DISTRICT AGRICULTURAL & STANDARDS INSPECTORS

John K. Akana
William M. Bragg
Bill Deavours
Marge DeShon
Greg Dunbar
Christopher Francone

Rafael Garcia, Jr.
David Gould
Kenneth W. Hodson
Kelly LeGrand
Bob Mann

Robert Milner
John Moreno
Jim Qualls
Loren Sansom
Jack Sisson
Deogracias Tigulo

AGRICULTURAL & STANDARDS INSPECTORS

Daniel Bigham
Steven Brown
David G. Bryant
David Case
Marvin Clark
Brian Cox

Richard Dinwiddie
Bert Gayden
Tom LaMunyon
David Martinusen

Gabriella Nunez
Richard Reese
Ignacio Sanchez
John Schultz
Sherry Watkins
Richard White

EXTRA HELP INSPECTORS AND PEST DETECTION TRAPPERS

Giordano Boscoli
Ed Campbell
Ernest W. Crew
Marcie Evans

James B. Gilley
Joe Hawkins
Phyllis Krakow
Jerry Madruga

Eric Mueller
Maribel Ramirez
George Simpson

SECRETARY II

Melissa S. Kelly

SENIOR ACCOUNT CLERK

Wanda Merritt

OFFICE ASSISTANT III

Odelia Rogers
Gloria Schoenborn
Tricia Wafford

ACCOUNT CLERK

Jackie Edgeworth

OFFICE ASSISTANT II

Laurie Smaglik

Reported By: Bob Chilton and R. Dennis Haines

Cover Photo: Courtesy of the California Tree Fruit Agreement, Sacramento, CA 95865

Art Work By: Candice Erickson

TABLE OF CONTENTS

COUNTY ACREAGE-PERMANENT PLANTINGS	Page 1
FIELD CROPS	Pages 2-3
SEED CROPS	Page 3
VEGETABLE CROPS	Page 4
INDUSTRIAL CROPS	Page 4
FRUIT AND NUT CROPS	Pages 5-7
NURSERY PRODUCTS	Page 8
APIARY PRODUCTS	Page 8
LIVESTOCK AND POULTRY	Page 9
LIVESTOCK AND POULTRY PRODUCTS	Page 9
SUMMARY	Page 10
MILLION DOLLAR PRODUCTS	Page 11
COMPARATIVE AGRICULTURAL VALUES	Pages 12-14
TULARE COUNTY ANNUAL SUSTAINABLE AGRICULTURE ...	Page 15

TULARE COUNTY AGRICULTURAL ACREAGE STATISTICS

ORCHARD CROPS	BEARING ACREAGE	NON-BEARING ACREAGE	TOTAL ACREAGE
<u>CITRUS</u>			
Grapefruit	375	424	799
Lemons	4,184	165	4,349
Limes	1	0	1
Navels	58,639	2,995	61,634
Valencias	29,418	1,551	30,969
Tangerines	1,253	231	1,484
TOTAL	93,870	5,366	99,236
<u>DECIDUOUS AND GRAPES</u>			
Almonds	11,612	586	12,198
Apples	1,569	78	1,647
Apricots	778	144	922
Avocados	857	44	901
Cherries	80	268	348
Figs	69	0	69
Grapes			
Table	23,114	2,441	25,555
Raisin	35,765	1,043	36,808
Wine	11,135	444	11,579
Kiwifruit	1,918	14	1,932
Nectarines	7,617	1,598	9,215
Olives	14,177	2,325	16,502
Peaches			
Cling	787	238	1,025
Freestone	6,108	1,316	7,424
Pears & Asian Pears	665	280	945
Pecans	661	429	1,090
Persimmons	980	101	1,081
Pistachio Nuts	4,979	1,275	6,254
Plums	18,105	1,381	19,486
Pomegranates	1,167	12	1,179
Prunes	5,838	643	6,481
Quince	141	8	149
Walnuts	25,889	1,442	27,331
Miscellaneous <u>A/</u>	98	44	142
TOTAL	174,109	16,154	190,263
Total Grapes	70,014	3,928	73,942
Total Orchard Crops	197,965	17,592	215,557
GRAND TOTAL	267,979	21,520	289,499

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



FIELD CROPS

	Year	Harvested Acreage	Per Acre	Production Total	Unit	Value Per Unit	Total
Alfalfa - Hay	1991	103,000	8.00	824,000	Ton	78.00	64,272,000
	1990	105,000	9.00	945,000	Ton	108.00	102,060,000
Silage	1991	X	2.75 <u>A/</u>	93,500	Ton	25.00	2,338,000
	1990	X	3.50	122,000	Ton	29.00	3,538,000
Barley	1991	24,700	2.25	55,600	Ton	110.00	6,116,000
	1990	23,100	2.59	59,800	Ton	119.00	7,116,000
Beans - Dry	1991	14,200	1.32	18,700	Ton	440.00	8,228,000
	1990	14,200	1.13	16,000	Ton	580.00	9,280,000
Corn - Grain	1991	5,000	5.50	27,500	Ton	108.00	2,970,000
	1990	8,000	5.12	41,000	Ton	109.00	4,469,000
Silage	1991	61,500	23.50	1,445,000	Ton	18.00	26,010,000
	1990	60,200	25.00	1,505,000	Ton	20.00	30,100,000
Cotton - Lint <u>B/</u>	1991	146,000	1,130.00	333,000	Bale	71.60	119,319,000
	1990	136,000	1,170.00	321,000	Bale	76.80	123,439,000
Seed	1991	X	X	138,000	Ton	134.00	18,492,000
	1990	X	X	131,000	Ton	154.00	20,174,000
Pasture & Range Irrigated	1991	16,200	X	X	Acre	110.00	1,782,000
	1990	12,500	X	X	Acre	110.00	1,375,000
Native	1991	650,000	X	X	Acre	10.00	6,500,000
	1990	650,000	X	X	Acre	12.00	7,800,000
Other	1991	45,000	X	X	Acre	15.00	675,000
	1990	56,000	X	X	Acre	15.00	840,000
Silage - Small Grain <u>C/</u>	1991	38,100	15.00	572,000	Ton	17.00	9,724,000
	1990	34,800	14.50	505,000	Ton	17.00	8,585,000
Sorghum Grain	1991	2,300	2.30	5,290	Ton	95.00	503,000
	1990	3,600	2.25	8,100	Ton	96.00	778,000
Sugar Beets	1991	2,900	26.90	78,000	Ton	32.00	2,496,000
	1990	4,200	28.40	119,000	Ton	32.00	3,808,000



FIELD CROPS

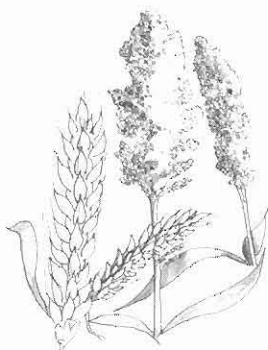
	Year	Harvested Acreage	Per Acre	Production Total	Unit	Value Per Unit	Total
Wheat	1991	28,000	2.75	77,000	Ton	101.00	7,777,000
	1990	51,200	2.70	138,000	Ton	113.00	15,594,000
Miscellaneous <u>D/</u>	1991	27,800	X	X	X	X	3,532,000
	1990	20,039	X	X	X	X	3,044,000
TOTAL	1991	1,164,700					280,734,000
	1990	1,178,839					342,000,000

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 Oat Grain, Oat Hay, Safflower, Straw, and Sudan Grass.



SEED CROPS

	Year	Harvested Acreage	Per Acre	Production Total	Unit	Value Per Unit	Total
Cotton-Registered or Certified <u>A/</u>	1991	5,062	X	2,330	Ton	210.00 <u>B/</u>	489,000
	1990	4,353	X	3,610	Ton	265.00	957,000
Wheat-Registered or Certified	1991	5,840	2.80	16,400	Ton	120.00	1,968,000
	1990	8,014	2.60	20,800	Ton	125.00	2,600,000
Miscellaneous <u>C/</u>	1991	603	X	X	X	X	319,000
	1990	881	X	X	X	X	771,000
TOTAL	1991	6,443					2,776,000
	1990	8,895					4,328,000

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

B/ Includes \$30 - \$50.00 Per acre approval.

C/ Includes Alfalfa, Barley, Carolina Sugar Peas, Cowpeas, Onions and Sudan Grass.



VEGETABLE CROPS

	Year	Harvested Acreage	Per Acre	Production Total	Unit	Value Per Unit	Total
Broccoli *	1991	1,365	4.37	5,970	Ton	566.00	3,379,000
	1990	X	X	X	X	X	X
Cauliflower *	1991	1,091	3.68	4,010	Ton	502.00	2,013,000
	1990	X	X	X	X	X	X
Cucumbers - Fresh	1991	452	6.93	3,130	Ton	520.00	1,628,000
	1990	182	12.60	2,290	Ton	560.00	1,282,000
Tomatoes - Fresh	1991	151	15.50	2,340	Ton	735.00	1,720,000
	1990	639	16.80	10,700	Ton	579.00	6,195,000
Miscellaneous <u>A/</u>	1991	13,028	X	X	X	X	34,927,000
	1990	8,108	X	X	X	X	25,570,000
TOTAL	1991	16,087					43,667,000
	1990	8,929					33,047,000

A/ Includes: Asparagus, Basil, Bittermelon, Cabbage, Cactus, Cantaloupe, Carrots, Chayote, Crenshaw Melons, Dill, Eggplant, Garlic, Gourds, Honeydew Melons, Lettuce, Long Beans, Okra, Onions, Oriental Vegetables, Peas, Peppers, Potatoes, Pumpkins, Radishes, Snap Beans, Spinach, Squash, Sugar Peas, Sweet Corn, Taro, Tomatillos, Tomatoes (Processed), Turnips and Watermelons.

* Not reported in 1990.



INDUSTRIAL CROPS

	Reporting Year	Production Total	Unit	Value Per Unit	Total
Timber Harvested <u>A/</u>	1991	43,602,000	Board Ft.	0.100	4,360,000
	1990	58,700,000	Board Ft.	0.105	6,164,000
Miscellaneous	1991	X	X	X	562,000
	1990	X	X	X	521,000
TOTAL	1991				4,922,000
	1990				6,685,000

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



FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production Total	Unit	Per Unit	Value Total
Almonds - Meats	1991	11,612	.71	8,240	Ton	2,300.00	18,952,000
	1990	8,977	.76	6,820	Ton	1,620.00	11,048,000
Hulls	1991	X	X	20,900	Ton	68.00	1,421,000
	1990	X	X	17,300	Ton	68.00	1,176,000
Apples	1991	1,569	11.20	17,600	Ton	987.00	17,371,000
	1990	908	13.40	12,200	Ton	576.00	7,027,000
Apricots	1991	778	6.60	5,130	Ton	1,440.00	7,387,000
	1990	413	7.54	3,110	Ton	732.00	2,277,000
Avocados *	1991	857	0	0	Ton	0	0
	1990	1,140	5.09	5,800	Ton	799.00	4,634,000
Grapes - Total	1991	70,014	X	X	X	X	332,325,000
	1990	62,936	X	X	X	X	278,109,000
Raisin Varieties	1991	35,765	8.54	X	X	X	X
	1990	32,602	7.56	X	X	X	X
Canned	1991	X	X	18,000	Ton	217.00	3,906,000
	1990	X	X	15,100	Ton	214.00	3,231,000
Crushed <u>A/</u>	1991	X	X	40,900	Ton	147.00	6,012,000
	1990	X	X	31,800	Ton	131.00	4,166,000
Dried <u>B/</u>	1991	X	X	19,900	Ton	982.00	19,542,000
	1990	X	X	17,800	Ton	900.00	16,020,000
Fresh	1991	X	X	156,000	Ton	874.00	136,344,000
	1990	X	X	116,000	Ton	941.00	109,156,000
Juice	1991	X	X	4,540	Ton	425.00	1,930,000
	1990	X	X	5,310	Ton	350.00	1,858,000
Table Varieties	1991	23,114	8.68	X	X	X	X
	1990	20,331	8.65	X	X	X	X
Crushed	1991	X	X	40,600	Ton	142.00	5,765,000
	1990	X	X	30,800	Ton	87.00	2,680,000
Fresh	1991	X	X	160,000	Ton	878.00	140,480,000
	1990	X	X	145,000	Ton	864.00	125,280,000



FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production Total	Unit	Per Unit	Value Total
Wine Varieties	1991	11,135	9.17	X	X	X	X
	1990	10,632	8.92	X	X	X	X
Crushed	1991	X	X	97,800	Ton	171.00	16,724,000
	1990	X	X	97,000	Ton	146.00	14,162,000
Juice	1991	X	X	4,280	Ton	379.00	1,622,000
	1990	X	X	4,150	Ton	375.00	1,556,000
Grapefruit-Fresh <u>C/</u>	1991	375	3.41	1,280	Ton	1,240.00	1,587,000
	1990	227	13.80	3,130	Ton	759.00	2,376,000
Kiwifruit	1991	1,918	5.90	11,300	Ton	1,810.00	20,453,000
	1990	1,789	7.37	13,200	Ton	1,540.00	20,328,000
Lemons - Fresh <u>D/</u>	1991	4,184	8.68	11,100	Ton	700.00	7,770,000
	1990	4,020	9.65	25,700	Ton	682.00	17,527,000
Processed	1991	X	X	25,200	Ton	40.00	1,008,000
	1990	X	X	13,100	Ton	115.00	1,506,000
Nectarines - Fresh	1991	7,617	8.18	62,300	Ton	831.00	51,771,000
	1990	8,021	10.30	82,600	Ton	641.00	52,947,000
Olives - Canning	1991	14,177	2.04	24,300	Ton	720.00	17,496,000
	1990	13,083	5.01	43,200	Ton	704.00	30,413,000
Other	1991	X	X	4,670	Ton	400.00	1,868,000
	1990	X	X	22,300	Ton	391.00	8,719,000
Oranges - Navel <u>D/</u>	1991	58,639	4.86	154,000	Ton	560.00	86,240,000
	1990	56,876	16.40	669,000	Ton	389.00	260,241,000
Processed	1991	X	X	131,000	Ton	39.00	5,109,000
	1990	X	X	261,000	Ton	83.00	21,663,000
Valencia <u>D/</u>	1991	29,418	.97	471	Ton	754.00	355,000
	1990	24,503	14.70	225,000	Ton	396.00	89,100,000
Processed	1991	X	X	28,200	Ton	30.00	846,000
	1990	X	X	136,000	Ton	118.00	16,048,000
Peaches - Cling Processed	1991	787	17.50	13,800	Ton	220.00	3,036,000
	1990	749	19.30	14,500	Ton	235.00	3,408,000
Freestone - Fresh	1991	6,108	8.95	54,700	Ton	989.00	54,098,000
	1990	5,201	11.50	59,800	Ton	724.00	43,295,000



FRUIT AND NUT CROPS

	Year	Harvested Acreage	Per Acre	Production Total	Unit	Per Unit	Value Total
Pears & Asian Pears	1991	665	4.73	3,150	Ton	761.00	2,397,000
	1990	474	2.12	1,000	Ton	961.00	961,000
Pecans	1991	661	.70	463	Ton	3,080.00	1,426,000
	1990	569	.95	541	Ton	2,550.00	1,380,000
Persimmons	1991	980	4.61	4,520	Ton	1,410.00	6,373,000
	1990	628	6.19	3,890	Ton	1,150.00	4,474,000
Pistachio Nuts <u>E/</u>	1991	4,979	.51	2,540	Ton	2,960.00	7,518,000
	1990	4,077	1.10	4,480	Ton	2,430.00	10,886,000
Plums - Fresh	1991	18,105	6.82	123,000	Ton	682.00	83,886,000
	1990	16,373	7.11	116,000	Ton	931.00	107,996,000
Pomegranates	1991	1,167	3.34	3,900	Ton	862.00	3,362,000
	1990	1,442	3.91	5,640	Ton	684.00	3,858,000
Prunes - Processed	1991	5,838	2.02 <u>E/</u>	11,700	Ton	800.00	9,360,000
	1990	5,033	2.89	14,400	Ton	875.00	12,600,000
Fresh <u>F/</u>	1991	X	X	234	Ton	820.00	192,000
	1990	X	X	468	Ton	933.00	437,000
Tangerines <u>G/</u>	1991	1,253	3.97	4,970	Ton	1,270.00	6,312,000
	1990	1,260	9.50	12,000	Ton	864.00	10,368,000
Walnuts	1991	25,889	1.77	45,800	Ton	1,050.00	48,090,000
	1990	22,907	1.42	32,500	Ton	1,250.00	40,625,000
Miscellaneous <u>H/</u>	1991	2,392	X	X	X	X	10,724,000
	1990	342	X	X	X	X	2,422,000
TOTAL	1991	269,982					808,733,000
	1990	241,948					1,067,849,000

A/ Includes green weight raisins for distillery materials.

B/ A combined value reflecting free tonnage and reserve tonnage.

C/ Includes Pummelos.

D/ This figure includes acreage which was abandoned or unharvested due to freeze damage.

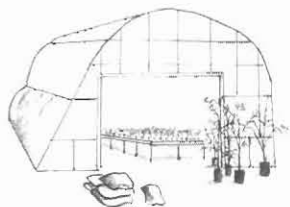
E/ Dry weight basis.

F/ Green weight basis.

G/ Includes Tangelos and Tangors.

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

* Freeze Damaged - No Crop.



NURSERY PRODUCTS

	Year	Quantity Sold	Unit	Per Unit	Total
Citrus and Subtropical Trees	1991	502,000	Each	6.03	3,027,000
	1990	470,000	Each	7.13	3,351,000
Deciduous Fruit and Nut Trees	1991	523,000	Each	6.07	3,175,000
	1990	651,000	Each	5.91	3,847,000
Grape & Berry Vines	1991	4,748,000	Each	.560	2,659,000
	1990	4,687,000	Each	.496	2,325,000
Foliage Plants & Cut Flowers	1991	X	X	X	1,903,000
	1990	X	X	X	2,040,000
Ornamental Trees & Shrubs	1991	1,740,000	Each	4.71	8,195,000
	1990	1,886,000	Each	4.92	9,279,000
Miscellaneous <u>A/</u>	1991	X	X	X	3,125,000
	1990	X	X	X	2,490,000
TOTAL	1991				22,084,000
	1990				23,332,000

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

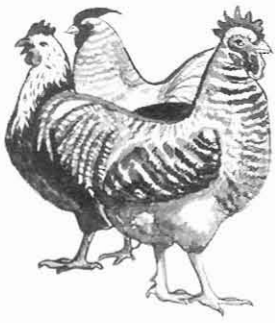


APIARY PRODUCTS

	Year	Production Total	Unit	Per Unit	Value Total
Honey - Orange <u>A/</u>	1991	4,873,000	Lb.	.53	2,583,000
	1990	3,314,000	Lb.	.56	1,856,000
Other	1991	2,519,000	Lb.	.51	1,285,000
	1990	1,463,000	Lb.	.52	761,000
Beeswax	1991	68,700	Lb.	1.20	82,400
	1990	93,000	Lb.	1.10	102,000
Pollination <u>B/</u>	1991	69,900	Colony	22.00	1,538,000
	1990	68,400	Colony	24.00	1,642,000
TOTAL	1991				5,488,400
	1990				4,361,000

A/ From bee colonies registered in Tulare County during 1991 citrus bloom period.

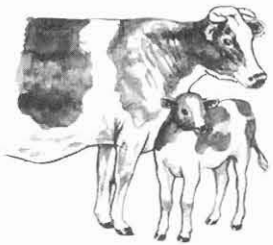
B/ Estimated number of colonies required for adequate pollination.



LIVESTOCK AND POULTRY

	Year	No. of Head	Total Liveweight	Unit	Per Unit	Value Total
Cattle & Calves	1991	296,000	X	Head	717.00	212,232,000
	1990	282,000	X	Head	758.00	213,756,000
Lambs	1991	13,200	1,251,000	Lb.	.538	673,000
	1990	12,500	1,183,000	Lb.	.596	705,000
Hogs & Pigs	1991	197,000	X	Head	132.00	26,004,000
	1990	96,100	X	Head	135.00	12,974,000
Turkeys	1991	2,366,000	71,214,000	Lb.	.540	38,456,000
	1990	2,592,000	66,949,000	Lb.	.450	30,127,000
Miscellaneous <u>A/</u>	1991	X	X	X	X	7,289,000
	1990	X	X	X	X	1,948,000
TOTAL	1991					284,654,000
	1990					259,510,000

A/ Includes Aquaculture, Chickens, Fish Bait, Gamebirds, Geese, 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>	1991	1,311,000	Ton	4.08	5,349,000
	1990	1,284,000	Ton	4.79	6,150,000
Milk - Market	1991	37,460,000	Cwt.	10.93	409,438,000
	1990	35,156,000	Cwt.	11.71	411,677,000
Manufacturing	1991	116,000	Cwt.	10.31	1,196,000
	1990	107,000	Cwt.	11.08	1,186,000
Miscellaneous <u>B/</u>	1991	X	X	X	9,384,000
	1990	X	X	X	9,323,000
TOTAL	1991				425,367,000
	1990				428,336,000

A/ Includes Dairy and Poultry Manure.

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

SUMMARY

COMMODITY	YEAR	HARVESTED ACREAGE	VALUE
FIELD CROPS	1991	1,164,700	280,734,000
	1990	1,178,839	342,000,000
SEED CROPS	1991	6,443	2,776,000
	1990	8,895	4,328,000
VEGETABLE CROPS	1991	16,087	43,667,000
	1990	8,929	33,047,000
INDUSTRIAL CROPS	1991	X	4,922,000
	1990	X	6,685,000
FRUIT AND NUT CROPS	1991	269,982	808,733,000
	1990	241,948	1,067,849,000
NURSERY PRODUCTS	1991	X	22,084,000
	1990	X	23,332,000
APIARY PRODUCTS	1991	X	5,488,400
	1990	X	4,361,000
LIVESTOCK AND POULTRY	1991	X	284,654,000
	1990	X	259,510,000
LIVESTOCK AND POULTRY PRODUCTS	1991	X	425,367,000
	1990	X	428,336,000
GRAND TOTAL	1991	1,457,212	1,878,425,400
	1990	1,438,611	2,169,448,000

1991 MILLION DOLLAR PRODUCTS

1991 Ranking

1990 Ranking

1 Milk	\$410,634,000	1
2 Grapes	332,325,000	3
3 Cattle & Calves	212,232,000	4
4 Cotton - Lint & Seed	138,300,000	5
5 Oranges - Navel & Valencia	92,550,000	2
6 Plums	83,886,000	6
7 Alfalfa - Hay & Silage	66,610,000	7
8 Peaches - Cling & Freestone	57,134,000	9
9 Nectarines	51,771,000	8
10 Walnuts	48,090,000	10
11 Turkeys	38,456,000	13
12 Corn - Grain & Silage	28,980,000	12
13 Hogs & Pigs	26,004,000	18
14 Kiwifruit	20,453,000	14
15 Almonds	20,373,000	19
16 Olives	19,364,000	11
17 Apples	17,371,000	27
18 Wheat	9,745,000	16
19 Silage - Small Grain	9,724,000	25
20 Prunes	9,552,000	17
21 Pasture & Range	8,957,000	22
22 Lemons	8,778,000	15
23 Beans - Dry	8,228,000	23
24 Nursery - Ornamental Trees & Shrubs	8,195,000	24
25 Pistachio Nuts	7,518,000	20
26 Apricots	7,387,000	40
27 Persimmons	6,373,000	32
28 Tangerines	6,312,000	21
29 Barley	6,116,000	26
30 Manure	5,349,000	30
31 Timber Harvested	4,360,000	29
32 Honey	3,868,000	37
33 Broccoli	3,379,000	**
34 Pomegranates	3,362,000	33
35 Nursery - Deciduous Fruit & Nut Trees	3,175,000	34
36 Nursery - Citrus & Subtropical Trees	3,027,000	36
37 Nursery - Grape & Berry Vines	2,659,000	39
38 Sugar Beets	2,496,000	35
39 Pears & Asian Pears	2,397,000	**
40 Cauliflower	2,013,000	**
41 Nursery - Foliage Plants & Cut Flowers	1,903,000	41
42 Tomatoes - Fresh	1,720,000	28
43 Cucumbers	1,628,000	44
44 Grapefruit	1,587,000	38
45 Pollination	1,538,000	42
46 Pecans	1,426,000	43

**Reported at less than one million dollars in 1990

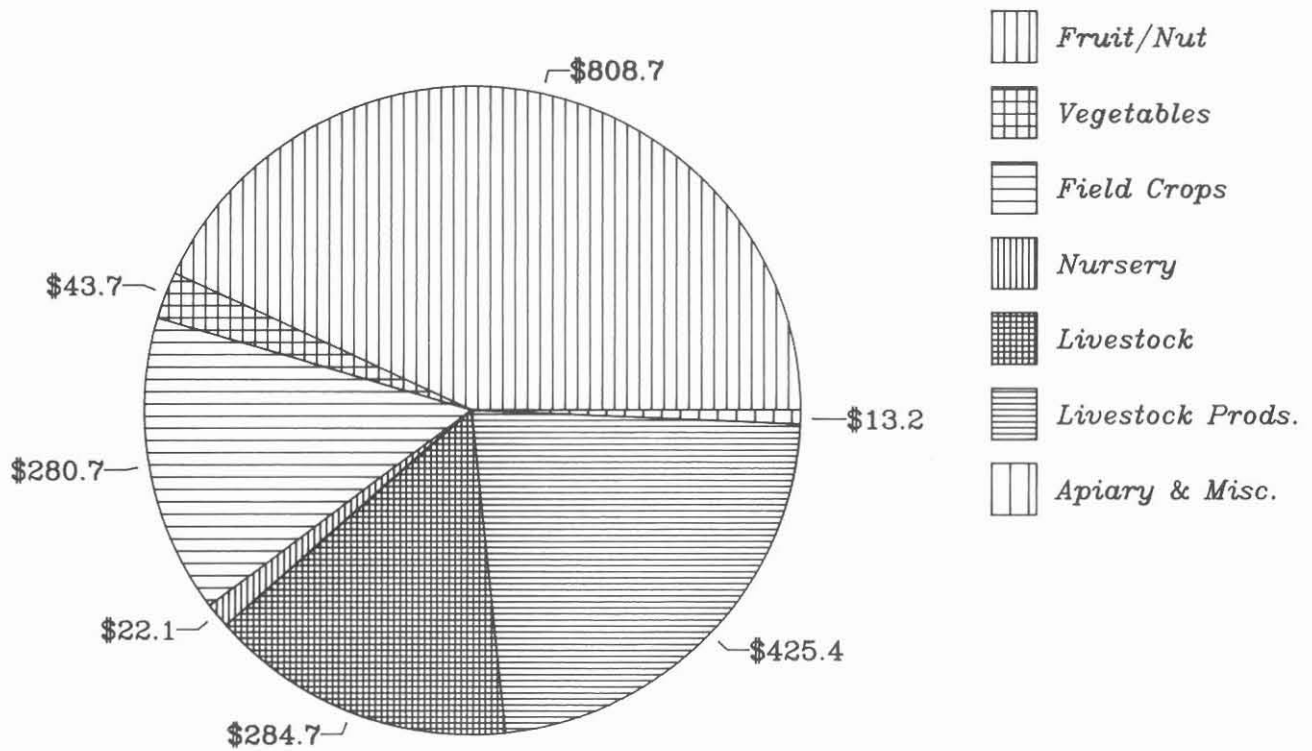
TWENTY YEAR COMPARISON OF AGRICULTURAL INCOME IN TULARE COUNTY 1972-1991

1972	463,191,000
1973	580,729,000
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

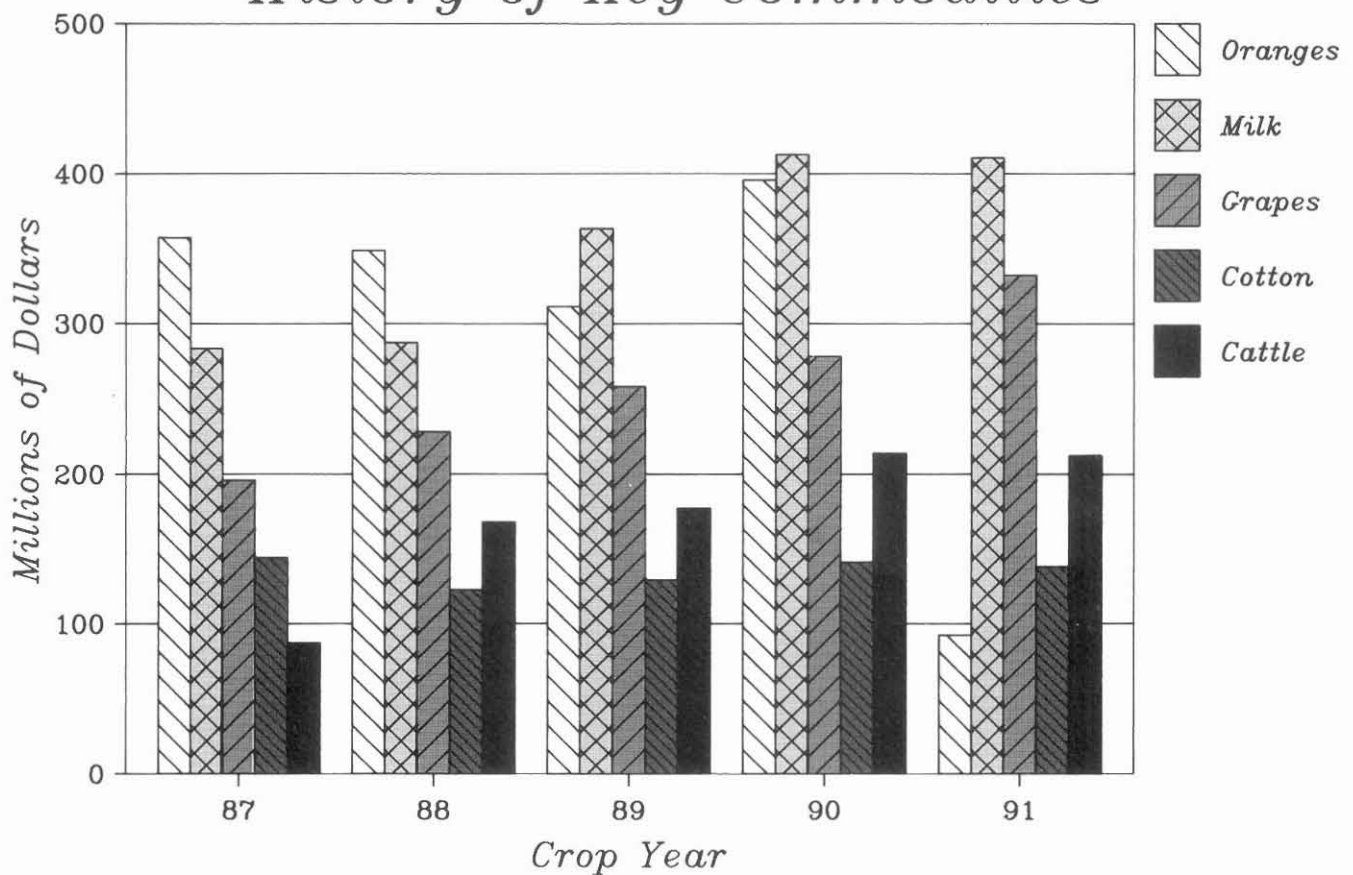


TULARE COUNTY - 1991

Total Value \$1,878,425,400

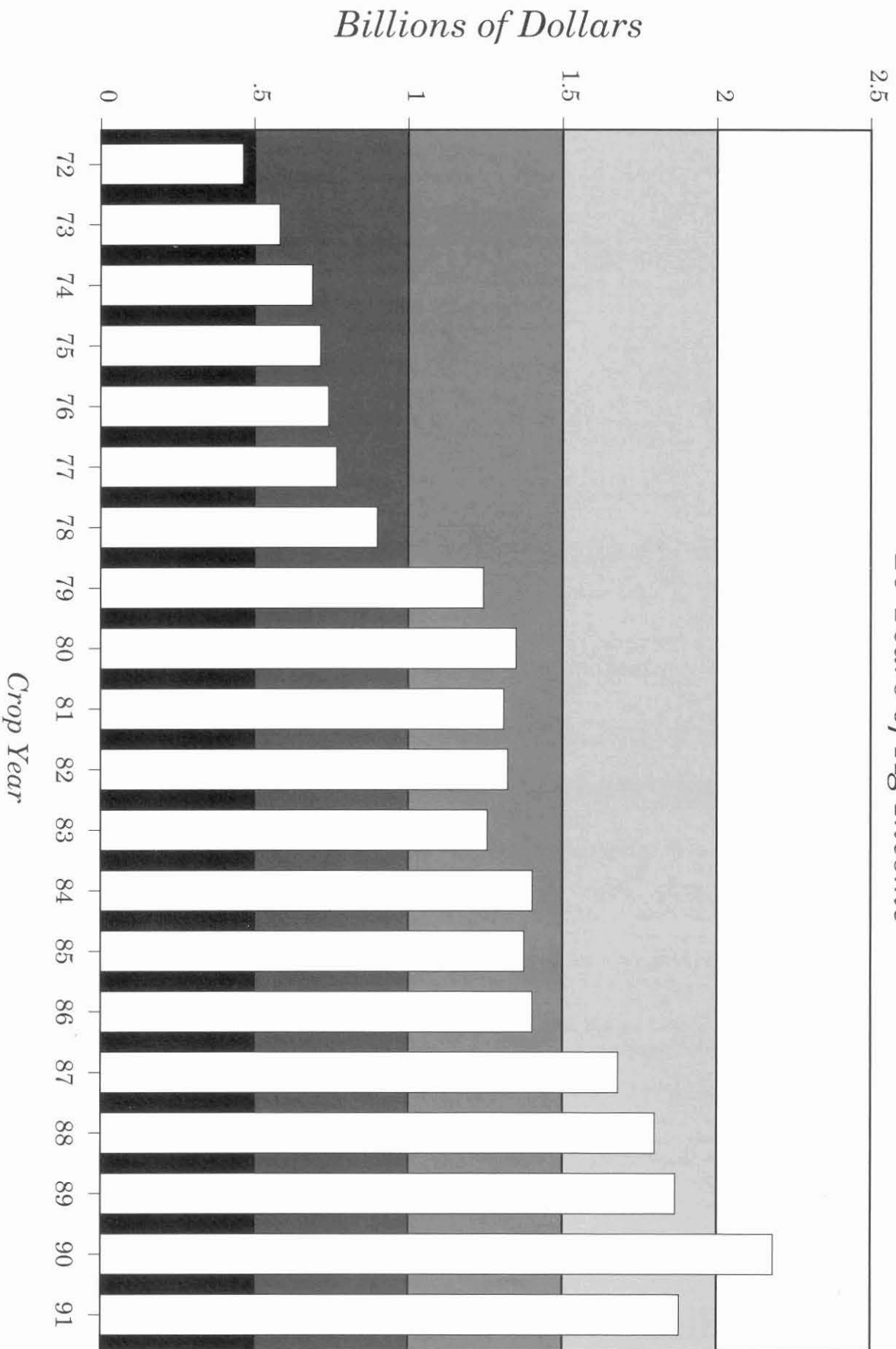


History of Key Commodities



TULARE COUNTY

20 Years of Ag Income



TULARE COUNTY SUSTAINABLE AGRICULTURE REPORTING

Pest	Agent/Mechanism	Program Scope
COUNTY BIOLOGICAL CONTROL		
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia nr. partenopea</u> Ladybird Beetle <u>Cleitostethus arcuatus</u>	30 sites 2 sites
Comstock Mealybug <u>Pseudococcus comstocki</u>	Parasitic Wasps <u>Pseudaphycus malinus</u> <u>Allotropa burrelli</u>	Upon demand
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
Puncture Vine <u>Tribulus terrestris</u>	Seed & Stem Weevils <u>Microlarinus lareynii</u> <u>Microlarinus lypriformis</u>	2 sites*
Yellow Star Thistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangasternus orientalis</u>	2 sites
COUNTY PEST ERADICATION		
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	146,000 acres 2 growers cited
Scotch Thistle <u>Onopordum acanthium</u>	Mechanical Removal	755 Acres
Alligator Weed <u>Alternanthera Philoxeroides</u>	Treated/Mechanical Removal	27 Plants
COUNTY PEST EXCLUSION		
Citrus Canker <u>Xanthomonas campestris</u> pv. <u>citri</u>	Retail Sales, UPS/Postal Shipments	14 rejections/ destroyed
Citrus Tristeza Virus	Retail	1 rejection/ destroyed
Magnolia White Scale <u>Pseudaulacaspis cockerelli</u>	Retail	2 rejections/ destroyed
Rufous Scale <u>Selenaspidus articulatus</u>	Wholesale Nursery	1 rejection/ destroyed
Tephritid Fruit Flies	Retail	5 rejections/ destroyed
Vanda Orchid Scale <u>Genaparlatoria pseudaspidiotus</u>	Retail	1 rejection/ destroyed

*Collections made for release in San Luis Obispo County.

ORGANIC FARMING STATISTICS

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

A SPECIAL THANK YOU

The high quality printing of the 1991 Tulare County Agriculture Crop and Livestock Report was made possible by the generous contributions of the tree fruit packers listed below. Without their support the publication of such a report would not have been feasible.

BLUE ANCHOR, INC.

P.O. Box 15498
Sacramento, CA 95851

CORRIN PRODUCE SALES, INC.

655 E. Dinuba Avenue
Reedley, CA 93654

ENNS PACKING CO., INC.

4572 Avenue 400
Dinuba, CA 93618

GEORGE BROTHERS, INC.

P.O. Box 115
Sultana, CA 93666

GIANNINI PACKING CORPORATION

496 S. "N" Street
Dinuba, CA 93618

MAYFLOWER FRUIT ASSOCIATION

P.O. Box 308
Exeter, CA 93221

NASH DeCAMP CO., INC.

P.O. Box 3127
Visalia, CA 93278

**PHILLIPS FARMS/UNIVERSAL PRODUCE
CORP.**

33771 Road 156
Visalia, CA 93291

SADOIAN BROTHERS, INC.

41700 Road 100
Dinuba, CA 93618

VENIDA PACKING, INC.

P.O. Box 212
Exeter, CA 93221