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California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

# Fresno County

1962-1965

California County Agricultural Commissioners' Reports from the California Department of Food and Agriculture. This collection consists of annual crop and livestock data from each of the 58 California Counties. The collection covers 1915-1981; digitization of the rest of the collection is forthcoming.

This digitization project was funded by the Giannini Foundation of Agricultural Economics,  
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NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1962

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Bedding Plants							
Pansies, field grown	1962		1.00	5,200	per	\$ 1.80	\$ 9,360
	1961		1.00	5,500	flat	1.50	8,250
Others	1962	13,400		19,000	per	2.00	38,000
	1961	40,000		12,000	flat	2.00	24,000
Bulbs, Rhizomes Roots, etc.	1962	60		1,000	per	.05	50
	1961		1.00	1,500	plant	.10	150
Cactus & Succulents	1962	900		1,000	plant	.25	250
	1961	1,000		1,200	plant	.25	300
Christmas Trees	1962			7,500	tree	1.25	9,380
	1961			10,000	tree	1.00	10,000
Citrus							
Grapefruit							
Marsh	1962		.10	1,000	tree	2.50	2,500
	1961		.10	600	tree	2.50	1,500
Kumquats	1962		None				
	1961		.05	150	tree	2.50	375
Lemons							
Eureka	1962		.11	1,200	tree	2.50	3,000
	1961		.10	1,000	tree	2.50	2,500
Lisbon	1962		.10	1,000	tree	2.50	2,500
	1961		.10	800	tree	2.50	2,000
Limes	1962		.10	450	tree	2.50	1,130
	1961		.10	250	tree	2.50	625
Orange							
Navel							
Frost Nucellar	1962		8.90	88,540	tree	2.50	221,350
	1961		1.25	10,500	tree	2.50	26,250
Robertson	1962		.11	1,200	tree	2.50	3,000
	1961		.25	1,200	tree	2.50	3,000
Washington	1962		1.50	15,000	tree	2.50	37,500
	1961		15.00	118,280	tree	2.50	295,700

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1962 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Citrus (cont'd)							
Valencias							
Campbell	1962		.90	8,560	tree	\$2.50	\$ 21,400
	1961		1.00	8,010	tree	2.50	20,030
Olinda	1962		4.00	39,900	tree	2.50	99,750
	1961		4.00	32,900	tree	2.50	82,250
Regular	1962		.20	2,000	tree	2.50	5,000
	1961		.25	1,810	tree	2.50	4,530
Satsuma Mandarin	1962		1.15	11,050	tree	2.50	27,630
	1961		.25	2,000	tree	2.50	5,000
Seedlings	1962	100		5,000	plant	.10	500
	1961	100		8,000	plant	.10	800
Tangerines							
Dancy	1962		.08	300	tree	2.50	750
	1961		.10	500	tree	2.50	1,250
Cut Flowers							
Chrysanthemum							
Pom Pom	1962		.25	700	bunch	1.25	875
	1961		.25	1,000	bunch	1.25	1,250
Daffodils	1962		.25	90	dozen	.50	45
	1961		.25	100	dozen	.50	50
Dahlias	1962		.37	600	bloom	.05	30
	1961		.38	6,200	bloom	.05	310
Gladiolus	1962		.50	1,100	dozen	1.00	1,100
	1961		.50	1,500	dozen	1.00	1,500
Deciduous Fruit Trees							
Figs							
Calimyrna	1962		None				
	1961		1.00	3,000	tree	.75	2,250
Conadria	1962		None				
	1961		.50	1,500	tree	.75	1,130

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1962 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Grapevines							
Cardinals	1962		.75	16,700	per M	\$65.00	\$ 1,090
	1961		None				
Carignane	1962		1.75	42,700	per M	65.00	2,780
	1961		None				
Emperor	1962		.25	6,480	per M	65.00	420
	1961		None				
Grenache	1962		1.00	25,250	per M	65.00	1,640
	1961		1.00	20,000	per M	55.00	1,100
Malvoisie	1962		.12	3,450	per M	65.00	220
	1961		None				
Red Malaga	1962		.40	10,000	per M	65.00	650
	1961		None				
Rose of Peru	1962		.20	4,930	per M	65.00	320
	1961		None				
Salvador	1962		1.00	6,000	per M	100.00	600
	1961		None				
Thompson	1962		10.00	266,980	per M	65.00	17,350
	1961		7.00	140,000	per M	55.00	7,700
1613	1962		2.00	50,000	per M	65.00	3,250
	1961		1.00	20,000	per M	55.00	1,100
Miscellaneous <u>a/</u>	1962						5,400
	1961						850
Herbaceous perennials							
Hibiscus, Phlox; Clematis, etc.	1962	1,000		1,000	plant	.40	400
	1961	700		2,500	plant	.60	1,500
Indoor decorative plants							
Saintpaulia	1962	7,500		15,000	plant	.50	7,500
	1961	8,000		16,000	plant	.50	8,000
Pothas, Peperomia, Philodendron, Chinese evergreen, etc.	1962	17,000		32,000	plant	.25	8,000
	1961	17,500		34,000	plant	.25	8,500

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1962 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Ornamental Trees & Shrubs							
Trees, shade	1962		.25	1,000	tree	\$1.25	\$ 1,250
	1961		.5	3,500	tree	1.50	5,250
Ornamentals	1962	202,000		135,000	plant	.50	67,500
	1961		None				
Propagative Materials							
Citrus Budwood Frost Nucellar	1962		1.00	50,000	plant	.05	2,500
	1961		1.00	22,500	plant	.10	2,250
Grape Cuttings (Calif. State Certified)							
Emperor & Ribier	1962		1.00	8,000	plant	.10	800
	1961		1.00	9,000	plant	.10	900
Rubired	1962		5.00	80,000	plant	.10	8,000
	1961		None				
Pits (Nemaguard)	1962		5.00	450,000	plant	.02	9,000
	1961		5.00	345,000	plant	.03	10,350
Vegetable Plants Hot Beds							
Tomatoes, Peppers	1962	13,850		710,000	per M	2.00	1,420
	1961	6,100		410,000	per M	5.00	2,050
Yams	1962		2.5	4,000,000	per M	4.00	16,000
	1961		3.0	4,464,000	per M	4.00	17,860
Special Group							
Tomatoes, Peppers	1962	77,000		2,034,000	per M	30.00	61,020
	1961	65,000		1,426,670	per M	30.00	42,800
Totals	1962	332,810	51.84				\$702,210
	1961	138,400	46.93				605,210

a/ Includes Rubired and Certified grape rootings.

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1962

Item	Year	Production		Unit	Value	
		No.of Head	Total Liveweight		Per Unit	Total
Cattle & Calves						
Beef						
Breeding Stock						
Common	1962	4,450		head	\$240.00	\$ 1,068,000
	1961	3,760		head	320.00	1,203,000
Registered	1962	1,175		head	450.00	528,750
	1961	1,218		head	490.00	596,820
Feeders	1962	74,000	370,000	cwt.	25.00	9,250,000
	1961	69,880	279,520	cwt.	25.00	6,988,000
Slaughter stock						
From feed lots	1962	259,467	927,140	cwt.	26.00	24,105,640
	1961	201,551	705,430	cwt.	26.00	18,341,180
From other sources	1962	12,100	121,000	cwt.	15.00	1,815,000
	1961	11,026	110,260	cwt.	15.00	1,653,900
Dairy						
Breeding stock	1962	7,400		head	250.00	1,850,000
	1961	7,300		head	225.00	1,642,500
Cull stock	1962	9,400	103,400	cwt.	15.00	1,551,000
	1961	9,300	102,300	cwt.	15.00	1,534,500
Milk stock	1962	40,530	101,300	cwt.	25.00	2,532,500
Calves	1961	42,600	127,800	cwt.	24.60	3,143,880
Cows	1962	4,000		head	190.00	760,000
	1961	4,320		head	186.00	803,520
Sheep and Lambs						
Slaughter stock						
Lambs <sup>a/</sup>	1962	75,600	60,480	cwt.	18.00	1,088,640
	1961	62,400	56,160	cwt.	16.55	929,450
Sheep	1962	10,100	14,140	cwt.	4.10	57,970
	1961	16,600	26,560	cwt.	4.16	110,490
Hogs and Pigs						
Breeding stock	1962	45		head	70.00	3,150
	1961	62		head	84.00	5,210
Feeders	1962	5,835	4,080	cwt.	23.00	93,840
	1961	1,533	1,190	cwt.	19.00	22,610
Slaughter stock	1962	2,030	5,080	cwt.	18.00	91,440
	1961	3,218	10,530	cwt.	18.00	189,540

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1962 (Cont'd)

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per unit	Total
Horses and mules						
Work stock	1962	250		head	\$150.00	\$ 37,500
	1961	1,237		head	139.50	172,560
Recreational stock	1962	1,037		head	270.00	279,990
	1961	841		head	171.00	143,810
Broilers & Fryers	1962	4,076,600	14,268,100	lb.	.17	2,425,580
	1961	4,213,030	14,745,610	lb.	.16	2,359,300
Other Chickens	1962	617,600	3,088,000	lb.	.06	185,280
	1961	572,500	2,862,500	lb.	.10	286,250
Chicks	1962	10,113,000		each	.146	1,476,500
	1961	3,300,340		each	.206	679,870
Turkeys	1962	2,981,900	53,674,200	lb.	.20	10,734,840
	1961	3,608,771	68,566,650	lb.	.18	12,342,000
Turkey poults	1962	4,372,000		each	.557	2,435,200
	1961	1,450,000		each	.682	988,900
Pigeons	1962	10,920	13,650	lb.	.75	10,240
	1961	11,930	14,910	lb.	.75	11,180
Pheasants	1962	15,000	45,000	lb.	.90	40,500
	1961	9,600	33,600	lb.	.95	31,920
Rabbits	1962	4,710	23,550	lb.	.24	5,650
	1961	10,372	36,810	lb.	.24	8,830
Miscellaneous <u>a/</u>	1962	40,600				288,260
	1961	204				204
Totals	1962					\$62,715,470
	1961					54,189,624

a/ Miscellaneous includes misc. poultry, and feeder lambs.



LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE - 1962

Crop	Year	Production	Unit	Value	
				Per Unit	Total
Milk					
Manufacturing	1962	656,000	cwt.	\$ 3.14	\$ 2,059,840
	1961	572,000	cwt.	3.22	1,841,840
Market	1962	3,251,000	cwt.	4.11	13,361,610
	1961	3,201,000	cwt.	4.06	12,996,060
Wool	1962	1,432,200	lb.	.40	572,880
	1961	965,400	lb.	.40	386,160
Eggs					
Chicken					
Hatching	1962	300,000	dozen	.85	255,000
	1961	28,030	dozen	.85	23,830
Market	1962	23,674,670	dozen	.27	6,392,160
	1961	21,945,840	dozen	.33	7,242,130
Turkey					
Hatching	1962	5,436,450	each	.25	1,359,110
	1961	6,756,000	each	.25	1,689,000
Miscellaneous	1962	1,490	cwt.		31,120
	1961	1,190	cwt.		24,840
Totals	1962				\$24,031,720
	1961				24,203,860

JANUARY 1 INVENTORIES OF LIVESTOCK & POULTRY (In Number of Head)

Item	January 1, 1962	January 1, 1963
Cattle and Calves		
All	251,400	265,000
Milk cows 2 years and over	46,500	45,390
Cattle and calves on feed	62,200	77,030
Sheep and Lambs		
All	145,400	159,600
Stock sheep	83,000	84,000
Hogs and Pigs	2,670	3,730
Horses and Mules	3,420	5,500
Hens and pullets of laying age	1,145,000	1,235,200
Turkey breeder hens	112,600	108,730

APIARY PRODUCTS: PRODUCTION AND VALUE - 1962

Item	Year	Production total	Unit	Value	
				Per unit	Total
Honey	1962	1,487,000	lb.	\$ .12	\$178,440
	1961	3,151,137	lb.	.11	346,630
Beeswax	1962	24,780	lb.	.42	10,410
	1961	52,515	lb.	.42	22,060
Pollination <u>a/</u>					
Alfalfa seed <u>b/</u>	1962	23,600	colony	4.00	94,400
	1961	32,100	colony	4.14	132,890
Almond	1962	8,400	colony	1.65	13,860
	1961	7,600	colony	1.40	10,640
Plum	1962	4,200	colony	1.67	7,010
	1961	5,000	colony	1.47	7,350
Cantaloupes <u>c/</u>	1962	3,000	colony	4.17	12,510
	1961	15,400	colony	3.50	53,900
Totals	1962				\$316,630
	1961				573,470

a/ This reflects only the approximate 28,000 colonies of bees registered in Fresno County by resident commercial and semi-commercial beekeepers. An estimated additional 35,000 colonies of bees were present in the County owned by out-of-county beekeepers.

b/ Fewer colonies in 1962 because of large decrease in certified alfalfa seed acres.

c/ Cantaloupes pollinated primarily by out-of-county bees in 1962.

Growth of Fresno County Agriculture as Indicated by Gross Value  
of Agricultural Products for the Past Twenty-Seven Years

1936 - 38,710,000  
1940 - 39,697,500  
1945 - 142,455,590  
1950 - 285,169,170  
1955 - 325,844,210  
1956 - 330,096,960  
1957 - 359,569,750  
1958 - 370,997,930  
1959 - 390,211,120  
1960 - 388,802,520  
1961 - 385,091,740  
1962 - 413,572,210

SIX YEAR COMPARISON STUDY OF CROP VALUES IN FRESNO COUNTY

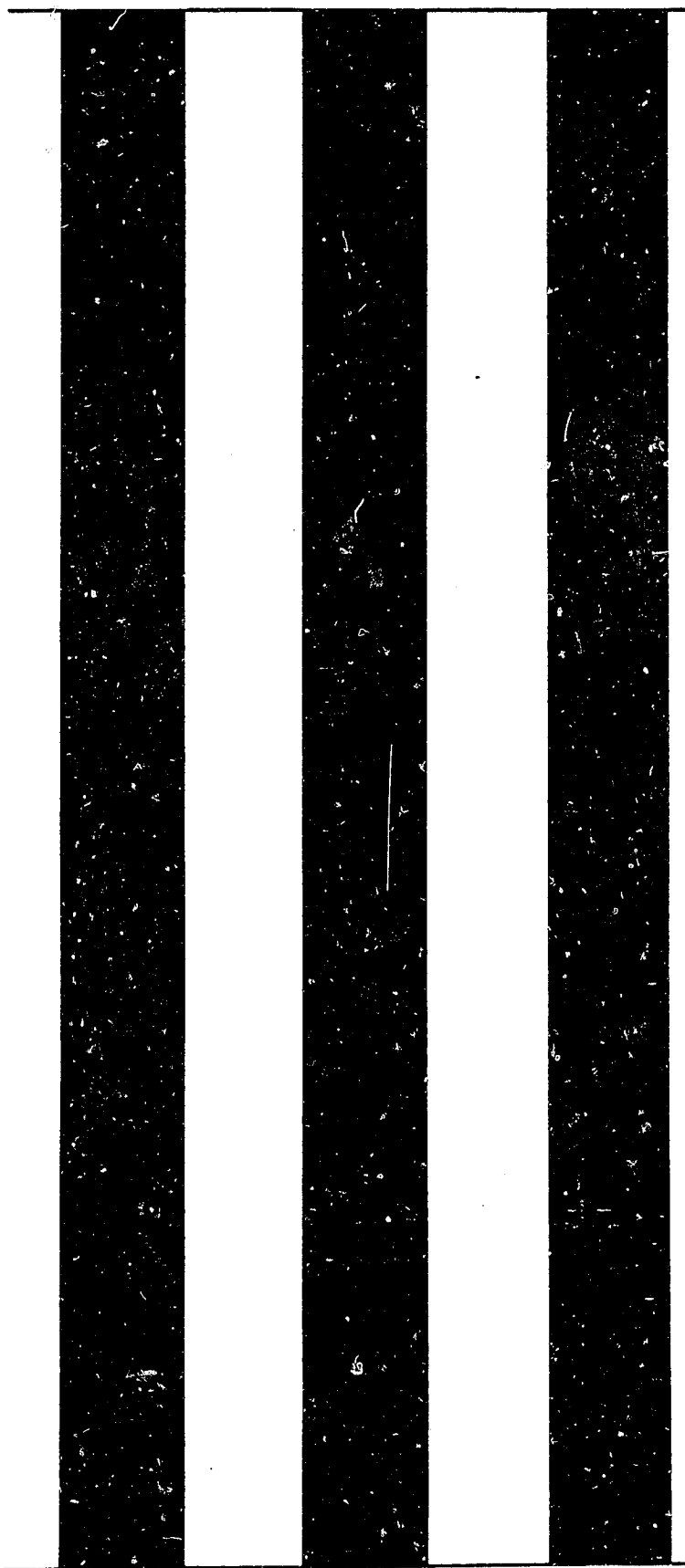
	1957	1958	1959	1960	1961*	1962
Field Crops	\$158,452,360	\$150,485,320	\$162,923,520	\$167,971,200	\$153,431,490	\$168,847,000
Seed Crops	12,393,950	12,676,060	12,980,830	13,324,000	12,123,590	9,978,590
Vegetable Crops	22,109,730	18,383,550	22,387,770	24,700,900	25,072,920	21,600,480
Fruit & Nut Crops	108,928,760	123,953,220	127,063,560	105,087,850	114,884,230	125,380,110
Nursery Products	330,810	517,290	489,100	527,990	605,210	702,210
Livestock & Poultry	56,692,250	63,920,370	64,118,280	76,795,570	78,393,480	85,747,190
Apiary	661,890	1,062,120	248,060	386,610	573,470	316,630
Miscellaneous	-----	-----	-----	8,400	7,350	-----
Grand Total	\$359,569,750	\$370,997,930	\$390,211,120	\$388,802,520	\$385,091,740	\$413,572,210

\*1961 data revised due to information gained after the publication of the 1961 Annual Crop Report and not possible to obtain prior to issue date.

FRUIT, NUT & VINE ACREAGE SURVEY -- 1962-63

California Crop and Livestock Reporting Service  
Fresno County Agricultural Commissioner Cooperating

	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	1,600	3,088	4,688
Apples	97	11	108
Apricots	388	92	480
Avocados	1	28	29
Cherries	---	5	5
Figs	12,772	178	12,950
Grapefruit	9	10	19
Grapes, All	155,403	11,190	166,593
Raisin Grapes	134,418	8,725	143,143
Table Grapes	11,976	532	12,508
Wine Grapes	9,009	1,933	10,942
Lemons	120	45	165
Limes	---	2	2
Nectarines	4,185	770	4,955
Olives	900	64	964
Oranges, All	3,438	6,920	10,358
Mandarin	7	67	74
Navel	2,906	5,588	8,494
Valencia	525	1,265	1,790
Peaches, All	10,603	2,024	12,627
Cling	1,566	582	2,148
Free	9,037	1,442	10,479
Pears	17	0	17
Pecans	46	21	67
Persimmons	46	23	69
Pistachio Nuts	5	10	15
Plums	5,311	1,687	6,998
Pomegranates	187	210	397
Prunes	101	248	349
Quince	---	1	1
Walnuts, All	2,038	1,399	3,437
Black	---	165	165
English	2,038	1,234	3,272
Totals	197,267	28,026	225,293

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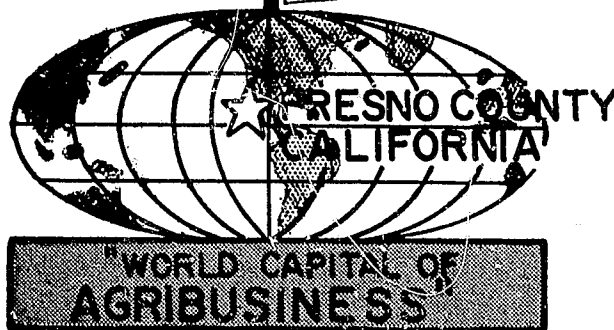
1963

Calif. Counties

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AGRICULTURAL COMMISSIONER

*Annual* 1963  
AGRICULTURAL  
CROP REPORT  
FRESNO COUNTY

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OFFICE OF  
**AGRICULTURAL COMMISSIONER**

L. D. McCORKINDALE  
Commissioner

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PHONES: 233-2181 OR 268-2522

April 7, 1964

Charles Paul, Director  
California Department of Agriculture  
and  
The Honorable Board of Supervisors  
County of Fresno

Sloan P. McCormick, Chairman  
Henry J. Andreas George E. Malm  
Norman S. Foley Floyd Olsen

Gentlemen:

When my staff and I assembled all of the varied statistics for preliminary totals approximately three weeks ago for final review, we were somewhat startled to see the grand total of \$423,206,000. Because of certain economic factors and adverse weather conditions in 1963, we expected values of such major crops as cattle and cotton to result in a decrease from the 1962 all-time high figure of \$413,572,210. We found our calculations to be substantially correct in these commodities.

Occurrences, however, which we had not foreseen as containing any outstanding significance did in the long run contribute greatly to the economy of the agricultural industry in Fresno County. Such crops as alfalfa hay, safflower, sugar beets, raisins, nectarines, and plums either had high yields or brought increased returns so that the over-all totals more than compensated for the considerable decreases in the two major crops indicated.

This annual report has been made possible only because of the wonderful cooperation from the people concerned with the many agricultural commodities produced in the County, and due to the painstaking efforts of my staff in the Agricultural Commissioner's Office. I gratefully acknowledge the assistance I have received from the many producers consulted, the growers' associations contributing to this report, the Farm Advisor's office, the A.S.C. office, the various food processors, the beekeepers, and to all of the other individuals and organizations furnishing knowledge which was used in making up this record.

As in past years it must be firmly emphasized that this crop report deals with the gross value of agricultural products and not in the net return to the farmer.

Section 65.5 of the California Agricultural Code requires that an Agricultural Commissioner "shall compile reports of the condition, acreage, production, and value of the agricultural products in his county."

Respectfully submitted,

L. D. McCorkindale  
Agricultural Commissioner

## EFFICIENCY IN AGRICULTURE

### One Farm Worker Supplies More and More Food

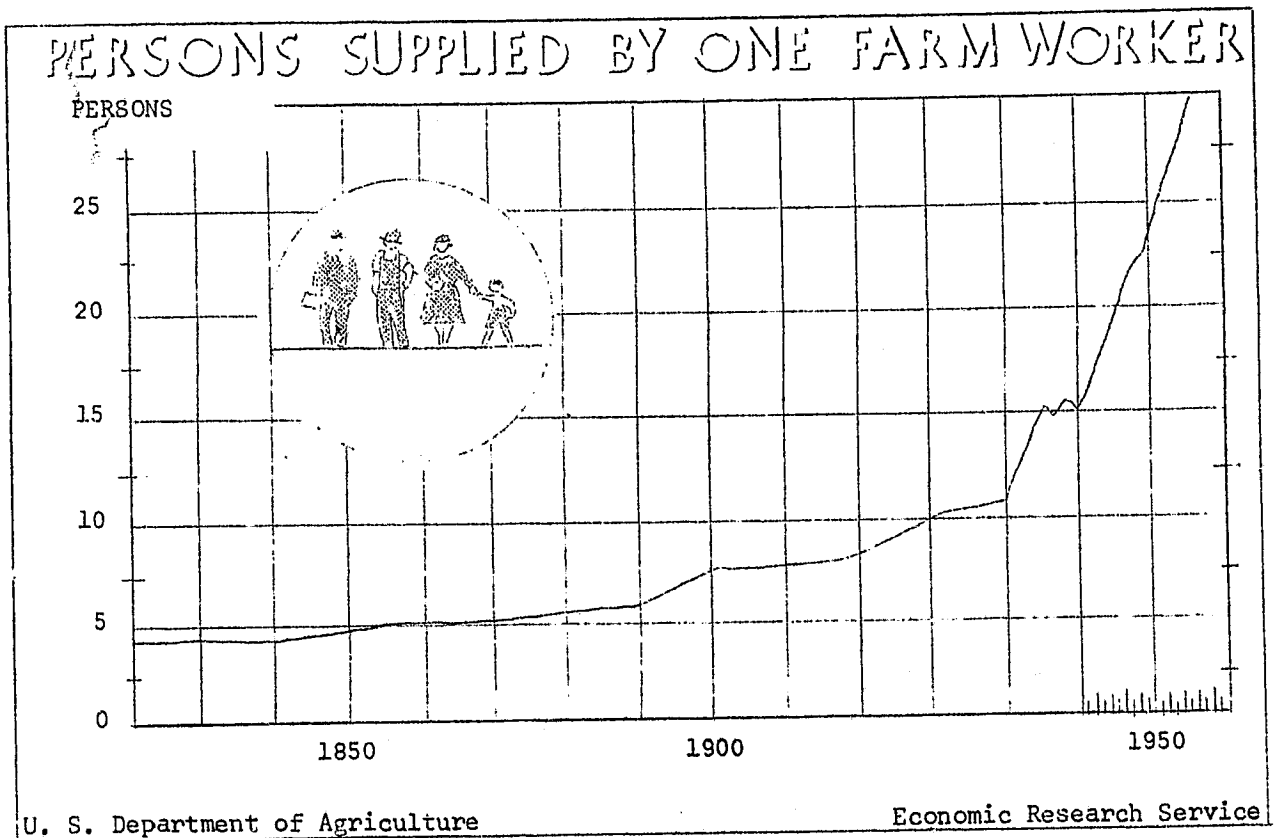
Last year the average farm worker produced enough food, fiber, tobacco, and other products to supply himself and almost 28 other people. This is almost 7 times as many consumers per farm worker as in 1820. In addition, farm commodities supplied consumers now have higher quality and greater variety than in earlier years.

The long-term increase in consumers per farm worker has taken place at an ever increasing rate. During the century ended in 1940, the average farm worker supplied products for an additional person each 27 years. During the 1940's a consumer was added each 2-year period. Since 1950 there has been more than an additional consumer yearly.

Most consumers of our farm products are residents of this country. But, in 1962, about 14 percent of our agricultural production went to citizens of foreign countries. Conversely, last year about 10 percent of the agricultural products used by us here in the United States were imported -- bananas, coconuts, wool, etc.

U. S. exported foods probably supply many more foreign consumers than our computations show, since per capita food consumption is much lower than ours in some countries.

The great increase in persons supplied per farm worker has been due to technological innovations, both on and off the farm.





## Fresno County

### Climatology and Geography

Almost in the center of California, Fresno County stretches for approximately 150 miles across the San Joaquin Valley.

Many extremes are found from one end of the County to the other, as indicated below:

Highest elevation (High Sierras on East)	11,254 ft.
Lowest elevation (flat lands in West)	120 ft.
Transition in Life Zones range from Sonoran to Alpine	
Rainfall (maximum, including heavy snows in mountains)	60 inches
Rainfall (minimum in semi-arid West portion)	7 inches
Approximate average yearly rainfall for County	9.5 inches
Average maximum temperatures	76.3°
Average minimum temperatures	50.1°
Mean temperature	63.2°
January temperatures - range	38° to 54°
July temperatures - range	65° to 99°
Growing season - average	292 days

There are approximately 8,340 farms in the County averaging 274 acres in size.

Approximately 200 crops may be grown in Fresno County. About 60% of the land area is in farms.

#### Land Uses

Total Cropland	1,321,050 acres
Irrigated land (1,245,360 acres)	
Non-irrigated land (75,690 acres)	
Pasture and Range land	570,000 acres
Other land	75,000 acres
Urban and built-up areas	68,000 acres
Water areas (40 acres or more)	6,000 acres
Forest and woodland	296,000 acres
Federal land	1,481,000 acres
 Total acreage in Fresno County	 3,817,050 acres

#### Reference and Sources:

California Blue Book  
California Soil and Water Conservation Needs Inventory  
U. S. 1959 Agricultural Census  
U. S. Weather Bureau, Fresno Air Terminal

## AGRI-LITES OF 1963

When 1963 began with a major citrus freeze, became the second foggiest year on record, had a late rainfall period in April and May, experienced an abnormally cool summer, and exhibited other such history-making weather, a gross value of \$423,206,000 worth of crops held some surprises. With various crops showing low yields, others revealing no trends of significance, and still others prominently displaying high yields and high values, the compilation of statistics for this report was indeed interesting.

King cotton did not fare so well during the year. Adverse weather conditions in the growing season and throughout the harvest was blamed. In addition acreage was reduced approximately 14,000 acres from 1962. Production was down approximately one-tenth of a bale per acre. This was offset to a degree by the value which showed an increase of \$6.00 per bale.

Alfalfa hay, in fact all types of hay listed in this report, showed a substantial increase in value. It has been reported that this increased value on all types of hay stemmed from a shortage in supply. Dairymen and other livestock farmers suffered because of the high prices during the year.

Because of the 47,000 acre increase in Safflower over the 1962 figure, the gross value of this crop bounced up more than three million dollars over the value of the year before. This was in spite of the \$15.00 decrease per ton for the seed and a slight reduction in yield per acre.

Silage showed an increase of more than one million dollars in gross value. This was in keeping with the high prices paid generally for all the forage crops.

One of the major crops which definitely benefited from the cooler weather conditions was sugar beets. Here an increase of over 16,500 acres from 1962 with some of the heaviest yields in history caused this crop to jump more than five and one-half million dollars in value over the '62 figure. Improved varieties of beets and the presence of the new sugar beet plant near Mendota contributed to the high yields and additional acreage allotments, respectively.

Generally the group of field crops shown in this report was responsible for an increase of almost twelve million dollars over the year before. On the plus side were barley, various types of hay crops, silage, safflower, sugar beets, and wheat. On the minus side, when compared with 1962, were beans, corn, cotton lint, cotton seed, and grain.

Downward trends in certified seed acreages persisted in 1963 with a loss of almost 8,000 acres from the previous year. Decreases occurred in older varieties such as Cody, Culver, Du Puits, Lahontan, and Moapa. Some increases were noted in F.D.100 and some miscellaneous varieties. Ranger held its own. Advances in acreage were shown in some crops grown for seed such as barley, various grasses, oats, rice, and miscellaneous vegetable seeds. All seed crops combined dropped almost \$800,000 under the previous year.

Cantaloupes easily retained its lead in being the major vegetable crop of Fresno County. Gross value was up over 1962 approximately one and one-half million dollars. Other vegetables in the million dollar bracket were green onions and tomatoes. Summer squash reached above the one-half million dollar mark with bell peppers nearing that figure. Total gross value of all vegetables exceeded 1962 by more than three million dollars. An expanding lettuce industry on the Westside was partially responsible for this increase.

Agri-Lites of 1963 - continued

Trends in fruit and nut crops proved to be interesting in almonds, apricots, grapes, nectarines, olives, peaches, plums, pomegranates, and walnuts. Although during the latter part of March and the first part of April temperatures ranged down to 30° in a few areas, very little damage was done and yields were better than those of 1962. The weather was not favorable for figs. Rains in October caused heavy losses, with a resulting drop in gross value. Bearing acreage increased in grapes more than 4,700 acres. Yields generally were high. Juice Thompson grape yields especially were up.

A larger acreage of Thompsons and other varieties for drying were made into raisins. In spite of rain damage the final figure showed raisin yields per acre to be up. Tray counts were up approximately 278 trays per acre in the fields. Many growers worked in the field with the rain damaged raisins and were able to salvage a large percentage of the commodity.

One of the heaviest grape crushes in history occurred during 1963. One of the reasons was the hauling to wineries of the heavy cullage of table Thompsons and Emperors from packing houses due to rain damage. In addition certain wine varieties such as Grenache, Carignane, and Alicante had outstanding yields.

In nectarines the over-all yields are steadily increasing as young trees come into full production. Approximately 16 cents less per package was received for this fruit in 1963 than in the 1962 season.

Navel oranges definitely suffered from freezing injury. Approximately 33% of the fruit was used for by-product purposes. Some groves of Valencia oranges were a total loss after the freeze on January 12. Almost 60% of the fruit moved into by-product channels.

Yields of freestone peaches were near those of the 1962 season. Over-all prices were up to a degree and the bearing acreage increased. Pomegranate yields were good. Prices were up and the market was favorable for both pomegranates and persimmons.

Nursery production revealed an almost \$200,000 drop from the year before. Varying quantities of citrus stock for sale, which generally were less than in 1962, were responsible for most of the decrease. Production of Thompson grape vines was up.

In the livestock and poultry category a major drop of almost twelve million dollars occurred in gross value of production. The heaviest loss was in beef cattle. Steadily declining prices throughout the year was the responsible factor. According to cattlemen prices were down on cows, feeders, and slaughter stock due to the high price of hay and competition from import of foreign beef. In dairy cows the demand for breeding stock was up. Some small beef producers went to springer raising instead of beef cattle. Culling was heavier in herds this year than last. Because of the high price of hay cows had to produce more to show profit. Livestock and poultry production were up slightly in value but not significantly. Some increase was shown in the gross value of chicken eggs.

In compiling the following statistics the instruction sheet entitled "Recommended Rounding Procedures for County Crop Report Data" as issued by the Bureau of Agricultural Statistics, State Department of Agriculture, was followed.

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley	1963	260,000	1.80	468,000	ton	\$ 49.20	\$ 23,026,000
	1962	280,500	1.80	504,900	ton	45.39	22,917,410
Beans, dry edible	1963	7,600	.54	4,100	ton	194.00	795,000
	1962	7,500	.90	6,750	ton	178.00	1,201,500
Corn	1963	8,000	1.80	14,400	ton	52.60	757,000
	1962	13,000	2.40	31,200	ton	40.00	1,248,000
Cotton lint	1963	189,200	2.30	435,000	bale	175.00	76,125,000
	1962	202,995	2.40	487,190	bale	169.00	82,335,110
Cotton seed	1963			174,000	ton	48.00	8,352,000
	1962			194,880	ton	51.00	9,938,880
Hay							
Alfalfa	1963	140,000	7.60	1,064,000	ton	31.00	32,984,000
	1962	136,500	7.50	1,023,750	ton	22.20	22,727,250
Grain	1963	3,000	1.75	5,250	ton	24.40	128,000
	1962	8,700	2.62	22,790	ton	19.30	439,850
Other, tame	1963	300	1.80	540	ton	22.70	12,300
	1962	400	1.00	400	ton	16.30	6,520
Wild	1963	600	1.80	1,080	ton	20.90	22,600
	1962	800	1.00	800	ton	16.10	12,880
Oats	1963	1,000	.90	900	ton	55.00	49,500
	1962	1,100	1.00	1,100	ton	36.00	39,600
Pasture & Range							
Alfalfa a/ stubble	1963	221,000			acre	3.75	829,000
	1962	220,000			acre	3.50	770,000
Barley & a/ wheat stubble	1963	180,000			acre	1.75	315,000
	1962	175,000			acre	1.70	297,500
Cantaloupe a/	1963	27,000			acre	3.75	101,000
	1962	24,000			acre	3.50	84,000
Irrigated pasture	1963	73,000			acre	87.50	6,388,000
	1962	65,000			acre	72.00	4,680,000
Native range	1963	1,540,000			acre	1.95	3,003,000
	1962	1,550,000			acre	1.95	3,022,500

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Rice	1963	20,065	2.15	43,000	ton	\$ 99.00	\$ 4,257,000
	1962	20,691	2.30	47,590	ton	94.60	4,502,010
Safflower	1963	105,000	1.20	126,000	ton	80.00	10,080,000
	1962	58,000	1.25	72,500	ton	95.00	6,887,500
Screenings							
Alfalfa & cereal	1963			2,070	ton	15.00	31,000
	1962			6,158	ton	15.00	92,370
Silage							
Corn	1963	7,500	16.00	120,000	ton	10.33	1,240,000
	1962	6,200	15.00	93,000	ton	6.00	558,000
Sorghum	1963	4,000	22.00	88,000	ton	10.33	909,000
	1962	3,500	22.00	77,000	ton	6.00	462,000
Other	1963	800	16.00	12,800	ton	10.33	132,000
	1962	800	15.00	12,000	ton	5.00	60,000
Sorghum grain	1963	14,000	2.50	35,000	ton	46.40	1,624,000
	1962	26,000	2.00	52,000	ton	41.00	2,132,000
Straw <u>a/</u>	1963	53,000	1.00	53,000	ton	10.00	530,000
	1962	51,000	1.00	51,000	ton	8.00	408,000
Sugar beets	1963	23,362	23.80	556,000	ton	13.40	7,450,000
	1962	6,959	21.10	146,840	ton	13.29	1,951,500
Sunflowers <u>b/</u>	1963						
	1962	2,200	.90	1,980	ton	170.00	336,600
Wheat	1963	10,912	1.85	20,200	ton	62.00	1,252,000
	1962	9,508	1.90	18,070	ton	66.00	1,192,620
Misc. <u>b/</u>	1963						184,000
	1962						543,400
Totals	1963	2,408,339					\$180,576,000
	1962	2,400,353					168,847,000

a/ Not included in total acreage figures. Already shown opposite crop involved.

b/ Misc. includes Flaxseed, Peanuts, Sesame, Sugar Cane and Sunflowers.

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Alfalfa, Cert.	1963	23,811					
All	1962	31,508					
Cody	1963	1,215	352	428,000	lb.	\$ .38	\$ 163,000
	1962	1,550	403	624,650	lb.	.50	312,330
Culver	1963	651	198	129,000	lb.	.44	56,800
	1962	1,174	218	255,930	lb.	.44	112,610
DuPuits	1963	857	407	349,000	lb.	.425	148,000
	1962	1,726	247	426,320	lb.	.50	213,160
F.D.100	1963	1,089	259	282,000	lb.	.375	106,000
	1962	874	140	122,360	lb.	.47	57,510
Lahontan	1963	1,863	376	700,000	lb.	.48	336,000
	1962	5,879	240	1,410,960	lb.	.41	578,490
Moapa	1963	3,385	610	2,065,000	lb.	.41	847,000
	1962	4,262	591	2,518,840	lb.	.40	1,007,540
Narragansett	1963	None					
	1962	598	214	127,970	lb.	.51	65,260
Ranger	1963	12,169	507	6,170,000	lb.	.34	2,098,000
	1962	12,251	390	4,777,890	lb.	.50	2,388,950
Sonora	1963	606	442	268,000	lb.	.66	177,000
	1962	None					
Vernal	1963	a/					
	1962	1,249	187	233,560	lb.	.54	126,120
Williamsburg	1963	303	683	207,000	lb.	.40	82,800
	1962	724	358	259,190	lb.	.52	134,780
Other a/	1963	1,673	428	716,000	lb.	.46	329,000
	1962	1,221	448	547,010	lb.	.59	322,740
Alfalfa, Common	1963	9,831					
All	1962	9,189					
California	1963	3,772	450	1,697,000	lb.	.34	577,000
Common b/	1962	3,650	444	1,620,600	lb.	.35	567,210
European	1963	1,614	388	626,000	lb.	.44	275,000
	1962	1,659	391	648,670	lb.	.45	291,900
Proprietary	1963	4,445	500	2,222,000	lb.	.43	955,000
	1962	3,880	445	1,726,600	lb.	.49	846,030

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley, cert.	1963	700	2,720	1,904,000	lb.	\$.0375	\$ 71,400
	1962	822	3,162	2,599,160	lb.	.035	90,970
Barley, common	1963	4,120	3,000	12,360,000	lb.	.033	408,000
	1962	2,827	2,922	8,260,490	lb.	.033	272,600
Beans, common	1963	None					
	1962	25	1,600	40,000	lb.	.08	3,200
Cotton <u>d/</u>	1963	18,242	826	15,068,000	lb.	.074	1,115,000
	1962	18,234	757	13,803,140	lb.	.074	1,021,430
Grasses <u>e/</u>	1963	2,164			lb.		103,000
	1962	516			lb.		38,830
Melilotus indica	1963	52	800	42,000	lb.	.033	1,400
	1962	200	800	160,000	lb.	.05	8,000
Oats, common	1963	391	1,800	704,000	lb.	.045	31,700
	1962	199	1,000	199,000	lb.	.04	7,960
Rice, cert <u>d/</u>	1963	790	4,300	3,397,000	lb.	.072	245,000
	1962	959	4,501	4,316,460	lb.	.065	280,570
Rice, common <u>d/</u>	1963	350	4,300	1,505,000	lb.	.07	105,000
	1962	133	4,511	599,960	lb.	.046	27,600
Safflower, cert.	1963	241	2,000	482,000	lb.	.075	36,200
	1962	250	2,488	622,000	lb.	.085	52,870
Safflower, common	1963	665	2,000	1,330,000	lb.	.04	53,200
	1962	887	2,399	2,127,910	lb.	.08	170,230
Vegetable seeds <u>f/</u>	1963	639			lb.		847,000
	1962	420			lb.		974,770
Vetch, common	1963	16	675	10,800	lb.	.12	1,300
	1962	60	687	41,220	lb.	.065	2,680
Wheat, common <u>d/</u>	1963	72	3,200	230,000	lb.	.041	9,400
	1962	15	3,333	50,000	lb.	.045	2,250
Totals	1963	42,630					\$ 9,178,000
	1962	46,903					9,978,590

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

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- a/ Includes miscellaneous varieties of Atlantic, Buffalo, Cherokee, Nomad, Vernal, 525.
- b/ Includes Common and Uncertified Alfalfa.
- c/ Altfranken Schmidt, Altfranken Steinbach, Arnims, Glacier, Mega, Milflueil, Orchesienne, Triesdorfer.
- d/ Not included in total acreage figure. Already shown opposite crop involved in "Field Crops".
- e/ Includes Annual Ryegrass, Berseem Clover, Blando Brome, Canary Grass, Certified Oats, Certified Sudan, Common Brome, Common Sudan, Love Grass, Rye Grass, Rye Grain, Wimmera Ryegrass.
- f/ Includes Cantaloupes, Carrots, Chicory, Collards, Cucumbers, Lettuce, Okra, Onion.



VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Beans, snap	1963	80	5.2	416	ton	\$ 240	\$ 100,000
	1962	30	4.0	120	ton	280	33,600
Beans, other	1963	20	5.0	100	ton	240	24,000
	1962	70	3.5	245	ton	240	58,800
Cabbage	1963	40	16.9	676	ton	49	33,000
	1962	80	17.0	1,360	ton	50	68,000
Chinese veg.	1963	215	12.0	2,580	ton	100	258,000
	1962	210	14.0	2,940	ton	90	264,600
Corn, sweet Fresh	1963	260	6.0	1,560	ton	131	204,000
	1962	270	3.4	918	ton	128	117,500
Cucumbers	1963	200	9.6	1,920	ton	125	240,000
	1962	152	10.5	1,600	ton	170	272,000
Melons							
Cantaloupe	1963	30,000	6.9	207,000	ton	72	14,904,000
	1962	30,500	6.1	186,050	ton	72	13,395,600
Casaba	1963	80	6.5	520	ton	85	44,200
	1962	145	6.2	899	ton	76	68,320
Cranshaw	1963	240	5.0	1,200	ton	105	126,000
	1962	270	4.5	1,220	ton	100	122,000
Honeydew	1963	225	6.0	1,350	ton	90	122,000
	1962	583	5.6	3,270	ton	84	274,680
Persian	1963	35	5.0	175	ton	90	15,800
	1962	242	4.5	1,090	ton	88	95,920
Watermelons	1963	1,500	12.0	18,000	ton	24	432,000
	1962	1,340	11.8	15,600	ton	30	468,000
Onions							
Dry	1963	320	13.0	4,160	ton	100	416,000
	1962	380	12.5	4,750	ton	110	522,500
Green	1963	500	12.5	6,250	ton	160	1,000,000
	1962	500	12.2	6,100	ton	160	976,000

VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peppers							
Bell	1963	400	11.2	4,480	ton	\$ 100	\$ 448,000
	1962	280	6.5	1,820	ton	160	291,200
Chili	1963	50	5.0	250	ton	225	56,000
	1962	65	5.1	331	ton	250	82,750
Potatoes	1963	a/					
	1962	1,500	13.5	20,250	ton	40	810,000
Radishes	1963	450	5.5	2,480	ton	100	248,000
	1962	400	5.7	2,280	ton	108	246,240
Romaine	1963	300	10.0	3,000	ton	80	240,000
	1962	200	18.0	3,600	ton	72	259,200
Squash							
Summer	1963	350	8.5	2,980	ton	187	557,000
	1962	301	8.5	2,560	ton	146	373,760
Winter	1963	80	10.5	840	ton	45	37,800
	1962	100	10.0	1,000	ton	35	35,000
Sweet Potatoes	1963	627	4.0	2,500	ton	184	460,000
	1962	600	3.0	1,800	ton	100	180,000
Tomatoes							
Cherry	1963	50	20.0	1,000	ton	175	175,000
	1962	81	21.0	1,700	ton	175	297,500
Regular	1963	525	21.0	11,000	ton	190	2,090,000
	1962	500	21.6	10,800	ton	166	1,792,800
Turnips	1963	80	13.0	1,040	ton	60	62,400
	1962	80	11.3	904	ton	78	70,510
Other veg. <u>b/</u>	1963	2,905		36,000	ton		2,603,000
	1962	700		5,200	ton		424,000
Totals	1963	39,532					\$24,896,000
	1962	39,579					21,600,480

a/ Listed under "Other Vegetables"

b/ "Other Vegetables" include beets, blackeye beans, broccoli, brussel sprouts, cantaloupes (frozen), carrots, cauliflower, corn (frozen), cucumbers (processed), eggplant, lettuce, mustard greens, peas, spinach, swiss chard, tomatoes (hot house grown and processed), and watermelons (frozen).

## FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per- acre	Total		Per Unit	Total
Almonds	1963	1,928	.55	1,060	ton	\$ 500	\$ 530,000
	1962	1,600	.45	720	ton	645	464,400
Apricots	1963	430	4.87				
	1962	388	6.10				
Canned	1963			1,280	ton	73	93,400
	1962			1,650	ton	100	165,000
Dried	1963			71	ton	800	56,800
	1962			80	ton	840	67,200
Fresh	1963			97	ton	196	19,000
	1962			50	ton	200	10,000
Frozen	1963			200	ton	87	17,400
	1962			190	ton	105	19,950
Bushberries	1963	190	5.80				
	1962	229	4.91				
Fresh	1963			450	ton	422	190,000
	1962			80	ton	444	35,520
Processed	1963			650	ton	270	176,000
	1962			1,045	ton	250	261,250
Figs	1963	12,803					
	1962	12,772					
Dry Pack	1963		.75	3,660	ton	263	963,000
	1962		1.05	4,390	ton	270	1,185,300
Dry Paste	1963		.75	6,240	ton	263	1,641,000
	1962		1.05	8,890	ton	270	2,400,300
Fresh	1963		4.00	760	ton	276	210,000
	1962		4.00	381	ton	200	76,200
Grapes, All	1963	160,191					
	1962	155,403					
Raisin var.	1963	138,372					
	1962	134,418					
Canned	1963		9.00	11,200	ton	55	616,000
	1962		9.00	21,420	ton	55	1,178,100

## FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Grapes (cont'd)							
Raisin varieties							
Crushed	1963		8.90	379,000	ton	\$ 32	\$ 12,128,000
	1962		7.10	278,430	ton	43	11,972,490
Dried	1963		1.93	144,000	ton	343	49,392,000
	1962		1.73	122,580	ton	347	42,535,260
Fresh	1963		8.80	107,000	ton	177	18,939,000
	1962		8.60	153,480	ton	150	23,022,000
Table varieties	1963	12,253					
	1962	11,976					
Crushed	1963		8.00	47,100	ton	28	1,319,000
	1962		7.80	24,490	ton	38	930,620
Fresh	1963		7.90	49,700	ton	177	8,797,000
	1962		6.20	54,780	ton	152	8,326,560
Wine varieties	1963	9,566					
	1962	9,009					
Crushed	1963		9.60	78,200	ton	39	3,049,000
	1962		8.77	59,260	ton	42	2,488,920
Fresh	1963		8.30	10,800	ton	127	1,372,000
	1962		8.77	19,750	ton	105	2,073,750
Grapefruit	1963	9	3.07	28	ton	68	1,900
	1962	9	4.20	38	ton	55	2,090
Lemons	1963	146	6.90				
	1962	120	8.50				
Fresh	1963			498	ton	184	91,600
	1962			680	ton	119	80,920
Processed	1963			504	ton	90	45,400
	1962			340	ton	43	14,620
Nectarines	1963	4,478	9.60				
	1962	4,185	7.40				
Dried	1963			100	ton	540	54,000
	1962			115	ton	420	48,300
Fresh	* 1963			36,500	ton	198	7,227,000
	1962			30,350	ton	173	5,250,550

\* Culls removed raising value per unit.

## FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Nectarines (cont'd)							
Processed	1963			800	ton	\$ 54	\$ 43,200
	1962			621	ton	80	49,680
Olives	1963	911	3.00				
	1962	900	2.48				
Canned	1963			1,760	ton	245	431,000
	1962			1,900	ton	230	437,000
Oil	1963			873	ton	70	61,100
	1962			330	ton	25	8,250
Oranges, All	1963	3,860					
	1962	3,500					
Navel	1963	3,236	7.40				
	1962	2,906	3.70				
Fresh	1963			15,400	ton	173	2,664,000
	1962			10,365	ton	208	2,155,920
Processed	1963			7,890	ton	20	158,000
	1962			453	ton	25	11,330
Valencia	1963	569	7.10				
	1962	525	5.33				
Fresh	1963			1,640	ton	191	313,000
	1962			1,450	ton	174	252,300
Processed	1963			2,380	ton	44	105,000
	1962			1,320	ton	35	46,200
Miscellaneous	1963	55	7.60	418	ton	29	12,100
	1962	69	7.00	480	ton	127	60,960
Peaches, All	1963	11,304					
	1962	10,603					
Clingstone	1963	1,706	12.00				
	1962	1,566	13.00				
Fresh	1963			20	ton	97	1,940
	1962			60	ton	141	8,460
Processed	1963			20,500	ton	57	1,168,000
	1962			20,300	ton	65	1,319,500

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peaches (Cont'd)							
Freestone	1963	9,598	9.00				
	1962	9,037	9.20				
Canned	1963			10,900	ton	\$ 45	\$ 490,000
	1962			10,880	ton	42	456,960
Dried	1963			2,250	ton	540	1,215,000
	1962			2,200	ton	480	1,056,000
Fresh	1963			53,900	ton	152	8,193,000
	1962			59,680	ton	142	8,474,560
Frozen	1963			6,157	ton	56	345,000
	1962			6,730	ton	52	349,960
Persimmons	1963	46	4.00	184	ton	250	46,000
	1962	46	4.30	198	ton	208	41,180
Plums	1963	5,778	7.50				
	1962	5,311	5.50				
Canned	1963			956	ton	6	5,740
	1962			385	ton	6	2,310
Fresh	1963			31,600	ton	230	7,268,000
	1962			26,540	ton	251	6,661,540
Frozen	1963			3,800	ton	9	34,200
	1962			2,290	ton	11	25,190
Pomegranates	1963	256	6.50	1,660	ton	192	319,000
	1962	187	6.20	1,160	ton	174	201,840
Prunes							
Fresh	1963	108	5.90	640	ton	143	91,500
	1962	101	6.00	606	ton	215	130,290
Strawberries	1963	190	10.25	1,950	ton	455	887,000
	1962	180	7.16	1,290	ton	433	558,570
Walnuts	1963	2,165	.75	1,620	ton	400	648,000
	1962	2,038	.50	1,020	ton	400	408,000

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1963 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Miscellaneous <u>a/</u>	1963	234				\$	443,000
	1962	166					54,810
Totals	1963	205,027					\$131,871,000
	1962	197,738					125,380,110

a/ Miscellaneous includes almond hulls, apples, avocados, canned figs, sub-standard figs, Greek olives, pears, pecans, pistachio nuts, dried prunes, damaged raisins, and black walnuts.

NURSERY PRODUCTS: PRODUCTION, AREA, SALES, AND VALUE - 1963

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Bedding Plants							
Pansies, field grown	1963		1.25	6,400	flat	\$1.80	\$ 11,500
	1962		1.00	5,200	flat	1.80	9,360
Others	1963	13,000		18,000	flat	2.10	37,800
	1962	13,400		19,000	flat	2.00	38,000
Bulbs, Rhizomes Roots, etc.	1963	None					
	1962	60		1,000	plant	.50	50
Cactus & Succulents	1963	250		250	plant	.30	75
	1962	900		1,000	plant	.25	250
Christmas Trees	1963			4,500	tree	1.00	4,500
	1962			7,500	tree	1.25	9,380
Citrus							
Grapefruit							
Marsh	1963		.05	400	tree	2.50	1,000
	1962		.10	1,000	tree	2.50	2,500
Kumquats	1963		.01	100	tree	2.50	250
	1962	None					
Lemons							
Eureka	1963		.12	970	tree	2.50	2,420
	1962		.11	1,200	tree	2.50	3,000
Lisbon	1963		.01	150	tree	2.50	375
	1962		.10	1,000	tree	2.50	2,500
Limes	1963		.01	150	tree	2.50	375
	1962		.10	450	tree	2.50	1,130
Orange							
Navel							
Frost Nucellar	1963		5.00	36,520	tree	2.50	91,300
	1962		8.90	88,540	tree	2.50	221,350
Robertson	1963		.12	750	tree	2.50	1,880
	1962		.11	1,200	tree	2.50	3,000
Washington	1963		6.50	50,900	tree	2.50	127,000
	1962		1.50	15,000	tree	2.50	37,500
Thompson	1963		.01	150	tree	2.50	375
	1962	None					



NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1963 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per Unit	Total
Citrus (Cont'd)							
Valencias							
Frost	1963		.14	1,300	tree	\$ 2.50	\$ 3,250
	1962	None					
Campbell	1963	None					
	1962		.90	8,560	tree	2.50	21,400
Olinda	1963		2.25	17,596	tree	2.50	44,000
	1962		4.00	39,900	tree	2.50	99,750
Regular	1963		.50	3,500	tree	2.50	8,750
	1962		.20	2,000	tree	2.50	5,000
Satsuma Mandarin	1963		1.25	8,500	tree	2.50	21,200
	1962		1.15	11,050	tree	2.50	27,630
Seedlings	1963	None					
	1962	100		5,000	plant	.10	500
Tangerines							
Dancy	1963		.06	500	tree	2.50	1,250
	1962		.08	300	tree	2.50	750
Cut Flowers							
Chrysanthemum							
Pom Pom	1963		.25	600	bunch	1.00	600
	1962		.25	700	bunch	1.25	875
Daffodils	1963	None					
	1962		.25	90	dozen	.50	45
Dahlias	1963	None					
	1962		.37	600	bloom	.05	30
Gladiolus	1963		.25	500	dozen	1.00	500
	1962		.50	1,100	dozen	1.00	1,100
Deciduous Fruit Trees							
Figs	1963		1.50	5,815	tree	.85	4,940
	1962	None					
Grapevines							
Cardinals	1963	None					
	1962		.75	16,700	per M	65.00	1,090

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1963 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Grapevines (Cont'd)							
Carignane	1963		.75	16,500	per M	\$ 60.00	\$ 990
	1962		1.75	42,700	per M	65.00	2,780
Emperor	1963		1.25	22,000	per M	60.00	1,320
	1962		.25	6,480	per M	65.00	420
Grenache	1963		2.50	43,450	per M	60.00	2,600
	1962		1.00	25,250	per M	65.00	1,640
Malvoisie	1963	None					
	1962		.12	3,450	per M	65.00	220
Red Malaga	1963	None					
	1962		.40	10,000	per M	65.00	650
Rose of Peru	1963	None					
	1962		.20	4,930	per M	65.00	320
Salvador	1963	None					
	1962		1.00	6,000	per M	100.00	600
Thompson	1963		20.00	436,900	per M	60.00	26,200
	1962		10.00	266,980	per M	65.00	17,350
1613	1963		.50	9,500	per M	60.00	570
	1962		2.00	50,000	per M	65.00	3,250
Miscellaneous <u>a/</u>	1963	None					
	1962						5,400
Herbaceous perennials							
Hibiscus, Phlox, Clematis, etc.	1963	3,000		3,000	plant	.60	1,800
	1962	1,000		1,000	plant	.40	400
Indoor decorative plants							
Saintpaulia	1963	7,000		12,500	plant	.60	7,500
	1962	7,500		15,000	plant	.50	7,500
Pothas, Peperomia, Philodendron, Chinese evergreen, etc.	1963	2,000		2,000	plant	.30	600
	1962	17,000		32,000	plant	.25	8,000
Ornamental Trees & Shrubs							
Trees, shade	1963		.25	3,100	tree	2.25	6,980
	1962		.25	1,000	tree	1.25	1,250

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1963 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Ornamental Trees & Shrubs (Cont'd)							
Ornamental shrubs	1963	None					
	1962	202,000		135,000	plant	\$ .50	\$ 67,500
Ornamental trees	1963		.10	300	tree	2.00	600
	1962	None					
Propagative Materials							
Citrus Budwood	1963		.80	38,384	plant	.06	2,300
Frost Nucellar	1962		1.00	50,000	plant	.05	2,500
Grape Cuttings (Calif. State Certified)							
Emperor & Ribier	1963		.50	7,350	plant	.07	515
	1962		1.00	8,000	plant	.10	800
Rubired	1963	None					
	1962		5.00	80,000	plant	.10	8,000
Salt Creek	1963		.10	1,500	plant	.07	105
	1962	None					
Others	1963		.50	13,300	plant	.05	665
	1962	None					
Pits (Nemaguard)	1963		5.00	900,000	plant	.01	9,000
	1962		5.00	450,000	plant	.02	9,000
Vegetable Plants Hot Beds							
Tomatoes, Peppers	1963	22,250		620,000	per M	4.00	2,480
	1962	13,850		710,000	per M	2.00	1,420
Yams	1963		2.60	4,010,000	per M	4.00	16,000
	1962		2.50	4,000,000	per M	4.00	16,000
Special Group							
Tomatoes, Peppers	1963	105,000		3,400,000	per M	20.00	68,000
	1962	77,000		2,034,000	per M	30.00	61,020
Totals	1963	152,500	54.13				\$512,000
	1962	332,810	51.84				702,210

a/ Includes Rubired and Certified grape rootings.

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1963

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle & Calves						
Beef						
Breeding Stock						
Common	1963	4,000		head	\$225.00	\$ 900,000
	1962	4,450		head	240.00	1,068,000
Registered	1963	800		head	400.00	320,000
	1962	1,175		head	450.00	528,750
Feeders	1963	75,000	300,000	cwt.	23.00	6,900,000
	1962	74,000	370,000	cwt.	25.00	9,250,000
Slaughter stock						
From feed lots	1963	176,000	669,000	cwt.	24.00	16,056,000
	1962	259,467	927,140	cwt.	26.00	24,105,640
From other sources	1963	10,000	100,000	cwt.	15.00	1,500,000
	1962	12,100	121,000	cwt.	15.00	1,815,000
Dairy						
Breeding stock	1963	11,300		head	260.00	2,938,000
	1962	7,400		head	250.00	1,850,000
Cull stock	1963	11,000	132,000	cwt.	16.00	2,112,000
	1962	9,400	103,400	cwt.	15.00	1,551,000
Calves	1963	30,000	75,000	cwt.	24.00	1,800,000
	1962	40,530	101,300	cwt.	25.00	2,532,500
Cows	1963	2,000		head	150.00	300,000
	1962	4,000		head	190.00	760,000
Sheep and Lambs						
Slaughter stock						
Lambs a/	1963	73,700	59,000	cwt.	18.00	1,062,000
	1962	75,600	60,480	cwt.	18.00	1,088,640
Sheep	1963	9,850	13,800	cwt.	4.10	56,600
	1962	10,100	14,140	cwt.	4.10	57,970
Hogs and Pigs						
Breeding stock	1963	50		head	78.00	3,900
	1962	45		head	70.00	3,150
Feeders	1963	3,200	2,240	cwt.	22.00	49,300
	1962	5,835	4,080	cwt.	23.00	93,840
Slaughter stock	1963	5,000	10,000	cwt.	17.00	170,000
	1962	2,030	5,080	cwt.	18.00	91,440

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1963 (Cont'd)

Item	Year	Production		Unit	Value	
		No. of Head	Liveweight		Per Unit	Total
Horses and mules	1963	200		head	\$150.00	30,000
Work stock	1962	250		head	150.00	37,500
Recreational stock	1963	1,700		head	193.00	328,000
	1962	1,037		head	270.00	279,990
Broilers & Fryers	1963	2,036,000	7,126,000	lb.	.176	1,254,000
	1962	4,076,600	14,268,100	lb.	.170	2,425,580
Other Chickens	1963	599,000	2,696,000	lb.	.072	194,000
	1962	617,600	3,088,000	lb.	.060	185,280
Chicks	1963	11,751,000		each	.134	1,575,000
	1962	10,113,000		each	.146	1,476,500
Turkeys	1963	2,693,000	48,474,000	lb.	.217	10,519,000
	1962	2,981,900	53,674,200	lb.	.200	10,734,840
Turkey poults	1963	4,987,000		each	.567	2,828,000
	1962	4,372,000		each	.557	2,435,200
Pigeons	1963	10,500	13,000	lb.	.75	9,750
	1962	10,920	13,650	lb.	.75	10,240
Rabbits	1963	3,000	15,000	lb.	.23	3,450
	1962	4,710	23,550	lb.	.24	5,650
Miscellaneous <u>a/</u>	1963	20,400				77,500
	1962	55,600				328,760
Totals	1963					\$50,986,000
	1962					62,715,470

a/ Miscellaneous includes misc. poultry, and feeder lambs.

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE - 1963

Crop	Year	Production	Unit	Value	
				Per Unit	Total
Milk					
Manufacturing	1963	453,000	cwt.	\$ 3.13	\$ 1,418,000
	1962	656,000	cwt.	3.14	2,059,840
Market	1963	3,426,000	cwt.	4.07	13,738,000
	1962	3,251,000	cwt.	4.11	13,361,610
Wool	1963	1,430,000	lb.	.40	572,000
	1962	1,432,200	lb.	.40	572,880
Eggs					
Chicken Hatching	1963	600,000	dozen	.75	450,000
	1962	300,000	dozen	.85	255,000
Market	1963	24,958,000	dozen	.315	7,862,000
	1962	23,674,670	dozen	.270	6,392,160
Turkey Hatching	1963	3,150,000	each	.25	788,000
	1962	5,436,450	each	.25	1,359,110
Miscellaneous	1963	1,500	cwt.		31,300
	1962	1,490	cwt.		31,120
Totals	1963				\$24,859,000
	1962				24,031,720

JANUARY 1 INVENTORIES OF LIVESTOCK & POULTRY (In Number of Head)

Item	January 1, 1963	January 1, 1964
Cattle and Calves		
All	265,000	270,000
Milk cows 2 years and over	45,390	47,900
Cattle and calves on feed	77,030	73,000
Sheep and Lambs		
All	159,600	156,000
Stock sheep	84,000	82,000
Hogs and Pigs	3,730	4,000
Horses and Mules	5,500	6,000
Hens and pullets of laying age	1,235,200	1,198,000
Turkey breeder hens	108,730	63,000

APIARY PRODUCTS: PRODUCTION AND VALUE - 1963

Item	Year	Production total	Unit	Value	
				Per unit	Total
Honey	1963	1,463,000	lb.	\$ .143	\$ 209,000
	1962	1,487,000	lb.	.120	178,440
Beeswax	1963	24,400	lb.	.430	10,500
	1962	24,780	lb.	.420	10,410
Pollination <u>a/</u>					
Alfalfa seed	1963	20,200	colony	4.00	80,800
	1962	23,600	colony	4.00	94,400
Almond	1963	9,700	colony	1.80	17,500
	1962	8,400	colony	1.65	13,860
Plum	1963	3,500	colony	2.00	7,000
	1962	4,200	colony	1.67	7,010
Cantaloupes	1963	1,000	colony	2.90	2,900
	1962	3,000	colony	4.17	12,510
Totals	1963				\$328,000
	1962				316,630

a/ This reflects only the bees registered in Fresno County by commercial and semi-commercial beekeepers. Approximately 101,000 colonies were estimated in Fresno County at the peak of the pollination season.

Growth of Fresno County Agriculture as Indicated by Gross Value  
of Agricultural Products for the Past Twenty-Eight Years

1936 - 38,710,000  
1940 - 39,697,500  
1945 - 142,455,590  
1950 - 285,169,170  
1955 - 325,844,210  
1956 - 330,096,960  
1957 - 359,569,750  
1958 - 370,997,930  
1959 - 390,211,120  
1960 - 388,802,520  
1961 - 385,091,740  
1962 - 413,572,210  
1963 - 423,206,000

SIX YEAR COMPARISON STUDY OF GROSS CROP VALUES IN FRESNO COUNTY

	1958	1959	1960	1961	1962	1963
Field Crops	\$150,485,320	\$162,923,520	\$167,971,200	\$153,431,490	\$168,847,000	\$180,576,000
Seed Crops	12,676,060	12,980,830	13,324,000	12,123,590	9,978,590	9,178,000
Vegetable Crops	18,383,550	22,387,770	24,700,900	25,072,920	21,600,480	24,896,000
Fruit & Nut Crops	123,953,220	127,063,560	105,087,850	114,884,230	125,380,110	131,871,000
Nursery Products	517,290	489,100	527,990	605,210	702,210	512,000
Livestock & Poultry	63,920,370	64,118,280	76,795,570	78,393,480	86,747,190	75,845,000
Apiary	1,062,120	248,060	386,610	573,470	316,630	328,000
Miscellaneous	-----	-----	8,400	7,350	-----	-----
Grand Total	\$370,997,930	\$390,211,120	\$388,802,520	\$385,091,740	\$413,572,210	\$423,206,000



# FRUIT, NUT & VINE ACREAGE SURVEY -- 1963

California Crop and Livestock Reporting Service  
Fresno County Agricultural Commissioner Cooperating

	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	1,928	2,760	4,688
Apples	99	9	108
Apricots	430	50	480
Avocados	1	28	29
Cherries	---	5	5
Figs	12,803	147	12,950
Grapefruit	9	10	19
Grapes, All	160,191	6,402	166,593
Raisin Grapes	138,372	4,771	143,143
Table Grapes	12,253	255	12,508
Wine Grapes	9,566	1,376	10,942
Lemons	146	19	165
Limes	---	2	2
Nectarines	4,478	477	4,955
Olives	911	53	964
Oranges, All	3,860	6,630	10,490
Navel	3,236	5,258	8,494
Valencia	569	1,221	1,790
Others	55	151	206
Peaches, All	11,304	1,323	12,627
Cling	1,706	442	2,148
Free	9,598	881	10,479
Pears	17	0	17
Pecans	46	21	67
Persimmons	46	23	69
Pistachio Nuts	5	10	15
Plums	5,778	1,220	6,998
Pomegranates	256	141	397
Prunes	108	241	349
Quince	---	1	1
Walnuts, All	2,201	1,236	3,437
Black	36	129	165
English	2,165	1,107	3,272
Totals	204,617	20,808	225,425



1964

V.F.

*Calif. Counties*

OFFICE OF THE  
AGRICULTURAL COMMISSIONER

1964  
AGRICULTURAL  
CROP REPORT  
FRESNO COUNTY



"WORLD CAPITAL OF  
AGRIBUSINESS"

UNIVERSITY OF CALIFORNIA  
DAVIS

MAY 25 1965

LIBRARY

This Annual Report is

Dedicated

to the

Memory of

FRED P. ROULLARD

Who passed away in Fresno on January 28, 1965.  
This gentleman was well known in California  
agriculture and primarily so for being . . .

- The Agricultural Commissioner of Fresno County  
for thirty-three years - 1914 to 1947.
- President of the State Association of County  
Agricultural Commissioners for the year  
1922-23, and Secretary of the Association  
for twelve years.
- Member of the Fresno State College faculty  
for seven years as an entomologist and  
plant pathologist.
- Inventor of the "Roullard's Orange-Ratio Calculator"  
copyrighted in 1918 and still widely used today.
- Writer and publisher of the booklet "Insect Pests  
and Diseases of Interest to Horticulturists of  
Fresno County" printed in 1915 in Fresno.
- Assistant in the first survey of San Joaquin Valley  
farm crops in the 1930's.
- Most Noble Chief Cur for eighteen years of the  
organization of California agricultural officials  
known as the Ancient, Honorable, Independent and  
Effervescent Order of Yellow Dogs, California Kennel.



OFFICE OF  
AGRICULTURAL COMMISSIONER

L. D. McCORKINDALE  
Commissioner

P. O. BOX 301  
FRESNO, CALIFORNIA 93712

1730 SO. MAPLE AVENUE  
PHONE: 233-3721

April 28, 1965

Charles Paul, Director  
California Department of Agriculture  
and  
The Honorable Board of Supervisors  
County of Fresno

Floyd Olsen, Chairman  
Wesley R. Craven      George E. Malm  
Jefferson E. Haahes      Joseph A. Reich

Gentlemen:

The unfolding of information in this report has been to us most interesting indeed. In retrospection one may surmise that the yearly increases in gross value of agricultural products in Fresno County are primarily the result of inflationary monetary trends. Or, one may believe that statistical sampling procedures are partially responsible. Other reasons could similarly be sought.

Because of such thoughtful deductions on the part of personnel in this department, however, we have placed special emphasis on seeking the most reliable sources of information possible. Estimates have been based on factual evidence.

In "Agri-Lites of 1964" in this publication an effort has been made to enlarge upon the primary factors causing the sizable increase in the 1964 gross value of agricultural products. My staff and I have concluded generally that Fresno County's continuous and pronounced agricultural growth is primarily responsible for the \$19,882,000 rise in gross value in 1964 over the year 1963.

Without the generous and helpful cooperation of the many producers, grower associations, food processors, members of the Farm Advisor's office, personnel of the A.S.C. office, beekeepers, packing house managers, California Crop and Livestock Reporting Service personnel, and numerous other persons and agencies with whom we consulted, these data could not have been assembled. Especially do I wish to commend the members of my staff for their diligent efforts in preparing this publication.

The compilation of this report is required by Section 65.5 of the California Agricultural Code. Only gross values of the agricultural products listed herein are shown. The net return to the farmer many times is but a small percentage of the values stated.

Respectfully submitted,

L. D. McCorkindale  
Agricultural Commissioner

LDM:bc



Agricultural production as we know it today would be impossible without pesticides. Without them we would not have the abundance of food or high quality demanded by the American consumer. But pesticides must be used carefully. Here are some pointers:

1. Where you keep a pesticide is important. Store it where it won't contaminate food, feed, or another pesticide and where children and animals can't get to it. Examine pesticide containers every so often to check for leaks or tears.

2. Pour the pesticides carefully to avoid spilling. Measure them accurately and mix them thoroughly. These steps avoid waste at the same time they assure safe and effective use of the pesticide.

3. Give the label another reading before you mix or apply a pesticide to be sure you understand all directions and precautions. Use protective clothes and equipment if the label prescribes them.

4. Check your machine frequently to make sure the right amount of pesticide is being applied. Don't apply more than you need. Recommended amounts will do the job and cost no more.

5. Pay close attention to the times or intervals specified on the label for applying pesticides. If you use pesticides too often or at the wrong time, you're opening the door to excessive residues (and to possible seizure of your crop under Food and Drug laws).

6. Especially observe intervals between treatment of crops and harvesting or feeding and intervals between treatment of animals and slaughter.

7. Drift from pesticide application can be costly if it contaminates nearby crops and pastures or harms livestock, bees or other pollinating insects.

8. Continue to use caution when you dispose of the containers. Don't leave empty containers around or use them for feed, water, or any other purpose. Burn empty bags and cardboard boxes -- and keep out of the smoke. Bury the ashes in an isolated place where they won't contaminate water supplies. Break or crush glass and metal containers and bury them, too.

Remember that pesticides are valuable tools -- but use them wisely and with common sense at all times.

## AGRI-LITES of 1964

In the last three Annual Crop Reports for Fresno County there has been a consistent trend upward in gross value of agricultural products. The total of \$385,091,740 in 1961 has increased in significant jumps to \$443,088,000 for 1964. A simple calculation shows this to be a rise of almost fifty-eight million dollars. In looking back for 20 years one can observe an increase over that period of more than three hundred million dollars in Fresno County's agricultural productivity.

In comparing the 1964 data with 1963 the most significant increases can be noted in the category of "Fruit and Nut Crops" with an advance of more than seventeen million dollars. "Vegetable Crops" were up almost two and one-half million dollars, the "Seed Crops" more than one and one-half million, and "Livestock and Poultry" slightly over one million. Reductions were revealed in "Field Crops" and "Apiary".

In reviewing specific crops, cotton lint fared well with a total increase of more than seven million dollars caused by a combination of better returns per bale, a more favorable bargaining position on the domestic market, somewhat higher yields per acre, and a slight increase in total acreage in 1964 over 1963. Specifically the amount of middling grade cotton rose to 41% contrasted to only 17% last year. Strict middling grade increased to 8% over 1963's low 1%. Excellent growing weather facilitated the production of better grades.

Prices of alfalfa hay slipped more drastically than other field crops with a resultant lowering of the total value of more than seven million dollars, thus offsetting cotton's gain. Slightly less acreage and reduced yields contributed to this in part, but the major factor was a \$6.00 decrease per ton in gross value of the product.

Average rice yields remained essentially the same as in 1963 but harvested acreage was down almost 2,000 acres. Barley grain dropped over \$2,000,000 because of decreased yields, price and acreage. Safflower fields produced more per acre than during the previous year, but there was a decrease of 15,000 acres from the record plantings of 1963. It was formerly anticipated that there would be a greater reduction in 1964 than the 15,000 acres. All silage crops were down in value including field corn and sorghum.

Sugar beets had an all-time high in Fresno County in the amount of acreage with an increase of nearly 8,000 acres, but the crop fell about three and one-half tons under the bumper yields of nearly 24 tons to the acre experienced in 1963. Price per ton also slipped. The gross total value, however, showed a decrease of no more than \$90,000 because of the sizable acreage increase. Although government rice acreage allotments were under those of 1963, the wheat allotments increased somewhat more than 3,000 acres. Price per ton of wheat dropped \$7.00 with a total value only slightly increased over the preceding year.

Certified alfalfa seed acreage was approximately the same for both 1964 and 1963. Where common alfalfa seed is concerned, the continuing increase of proprietary types has given individual companies an opportunity to develop their own varieties and sell them under private brand names. This has been done for competitive purposes.

In other seed crops there has been reductions in acreages in the various commodities except in the grasses, which includes eight different varieties. Here a jump of more than 4,000 acres over 1963 was experienced. Some increase was noted in vegetable seeds with a potentially greater interest for plantings in the future.

As stated earlier in this report "Vegetable Crops" registered a two and one-half million dollar increase over 1963. Principally responsible for this was the No. 1 vegetable crop in Fresno County -- cantaloupes, which contributed \$16,200,000 in gross returns to the county economy. Various lesser increases were noted in all melon crops, including casaba, cranshaw, honeydew, Persian melons and watermelons.

Both Bell and chili peppers showed sizable monetary increases. Summer and winter squash dropped from the year before. Of special interest is a 100% rise in gross value of sweet potatoes over the previous year. This crop is becoming increasingly important in south central Fresno County. Acreage, yields and prices were up. A rise in value of cherry tomato production was more than offset by a decrease in "regular" tomatoes.

During most years the major plant group which has influenced total production in Fresno County is "Fruit and Nut Crops". The queen of this group of crops in Fresno County -- grapes -- showed increases of nearly nine and one-half million dollars in gross value of all categories over 1963 figures. Grapes for crushing especially showed a welcome increase in price per ton of \$9.00 over 1963. This was due, it is believed, primarily to the larger acreage of grapes put down for raisins, thus creating a possible shortage of grapes for vintner purposes. Raisins crossed the fifty million dollar mark in total value. Thompson variety bunch counts were down from 1963 resulting in reduction of average yields, but this was more than offset by additional acreage of grapes coming into bearing age.

Almond bloom developed slowly but sets were adequate and yields were reported in a normal range. Acreage increased considerably.

Whereas, the 1963 freeze had seriously hampered the orange industry in Fresno County with a resultant shipping of many tons to by-product plants, this did not happen in 1964. Accordingly, the up-swing in fresh orange values in 1964 was more than three million dollars over the preceding year. This was greatly needed by the orange shippers who have been having a difficult time during the last few years because of freezing weather.

Nectarines, peaches, and plums had sufficiently higher yields or better prices to show monetary increases in 1964. All three fruits showed the greatest gains in fresh form.

Under "Nursery Products" the only notable advances were in new plantings of citrus nursery stock. Acreage increased in Fresno County for both Navel and Valencia orange nursery plantings. Yam plants also showed gains, which is in keeping with the increased plantings of commercial fields in the southern area of the County.

The cattle industry had some troubles during 1964. Prices were off enough to reduce the total value although the number of feeders marketed was 3,000 more than in 1963. Slaughter stock from feed lots also took a dip in price per hundred weight, but numbers were up nearly 20,000 head. Total value came out somewhat ahead of 1963.

In the poultry business broilers and fryers took a decided jump in numbers as well as in total value in spite of a slightly lower price per pound. Turkey poults increased in numbers and value. A trend was noticed under livestock products in that market milk increased with a resultant expected drop in volume of manufacturing milk. Gross value remained about the same for a combined total of manufacturing and market milk. Wool growers had a somewhat easier year because of an advance in price received per pound.



Statistically it would seem that the beekeeping industry was not of much significance in Fresno County. This impression, however, is false because of the high value of crops which need the pollination services of honey bees. Although the rules followed in compiling the annual Crop Report require us to show only the number of bee colonies owned by persons residing in this County (which amounts to no more than 30,000 colonies) the great influx of outside beekeepers builds up the total during the summer season to approximately 114,000 colonies. Seed alfalfa, melons, almonds, and plums are a few of the crops which especially must have proper pollination procedures to bear successful crops. Many other crops are benefited in varying degrees.

When comparing bearing acreage of fruit, nut and vine crops with non-bearing acreage, certain factors can be discerned which shows the planting patterns in Fresno County. Almonds, raisin and wine grapes, oranges, plums, and walnuts show a more marked upward trend in plantings. Major crops remaining somewhat stationary are figs, table grapes, nectarines and olives. The grand total reveals a gain of more than 5,000 acres in fruit, nut and vine crops for a combined sum of 230,623 acres in all of Fresno County. Greatest acreage gains can be observed in the grape and orange industries.

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In compiling the statistics in this report the instruction sheet entitled "Recommended Rounding Procedures for County Crop Report Data" as issued by the Bureau of Agricultural Statistics, State Department of Agriculture, was followed.

\* \* \* \* \*

## FRESNO COUNTY

### Geography and Climate

Almost in the center of California, Fresno County stretches for approximately 150 miles across the San Joaquin Valley in a southwest to northeast direction. It varies from 30 to 60 miles in width and covers about 6000 square miles.

The County's agricultural pre-eminence has resulted, in large part, from its favorable climate and deep alluvial soils. As many as 200 kinds of crops may be grown in various portions of the area. Extremes are found from one end of the County to the other, as exhibited below:

Transition in Life Zones range from Sonoran to Alpine	
Highest elevation (High Sierras on East)	14,254 ft.
Lowest elevation (flat lands in West)	110 ft.
Rainfall (maximum, including heavy snows in mountains)	60 inches
Rainfall (minimum in semi-arid West portion)	7 inches
Approximate average yearly rainfall for Fresno	9.5 inches
Average maximum temperatures	76.3°
Average minimum temperatures	50.1°
Mean temperature	63.2°
January temperatures - range	38° to 54°
July temperatures - range	65° to 99°
Growing season - average	292 days

Climate, an important over-all consideration in human affairs, is particularly significant where it has economic consequences. Growth in agribusiness and industry is closely related to climate in this County.

Wide ranges of temperature exist. Extending along the foothills on both sides of the Valley are thermal belts where winter minimums are warmer than in adjoining areas. On the average, the Fresno Air Terminal observes 101 days per year with temperatures of 90° or higher. The average date of the first freeze in the fall occurs in mid-November for the 32° temperature and early December for the 28° value.

The precipitation pattern found within the County is profoundly influenced by topography. Moist air moving in from the Pacific rises as it passes over the Coast Ranges, then flows downslope as it comes into the San Joaquin Valley. This forms a "rain shadow" east of the Coast Range where precipitation is very light. Moving eastward across the San Joaquin Valley, rainfall continues light until the lifting effect of the Sierra Nevada causes the warm air to cool and the moisture to condense and precipitate. Nearly 85% of the annual total is received in the six months period from October through March. On a yearly average, Fresno reports 47 days with measurable precipitation.

Thus, a favorable temperature regime at intermediate and low elevations encourages intensive cultivation of specialty crops in the San Joaquin Valley and long-term forage use over much of the mountain range lands. Without the consistent summer heat and the abundance of water available for irrigation, the crops that contribute to Fresno County's agricultural prominence could not be produced.

#### References and Sources:

California Blue Book  
Fresno County Planning Department  
U. S. Weather Bureau, Fresno Air Terminal

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley	1964	257,000	1.65	424,000	ton	\$ 49.00	\$ 20,776,000
	1963	260,000	1.80	468,000	ton	49.20	23,026,000
Beans, dry	1964	10,000	.75	7,500	ton	188.00	1,410,000
	1963	7,600	.54	4,100	ton	194.00	795,000
Corn	1964	7,500	2.00	15,000	ton	57.00	855,000
	1963	8,000	1.80	14,400	ton	52.60	757,000
Cotton Lint	1964	189,886	2.44	463,000	bale	180.00	83,340,000
	1963	189,200	2.30	435,000	bale	175.00	76,125,000
Cotton Seed	1964			192,000	ton	48.40	9,293,000
	1963			174,000	ton	48.00	8,352,000
Hay							
Alfalfa	1964	137,000	7.50	1,028,000	ton	25.00	25,700,000
	1963	140,000	7.60	1,064,000	ton	31.00	32,984,000
Grain	1964	2,000	1.80	3,600	ton	18.40	66,200
	1963	3,000	1.75	5,250	ton	24.40	128,000
Other, tame	1964	300	1.80	540	ton	17.00	9,180
	1963	300	1.80	540	ton	22.70	12,300
Wild	1964	600	1.50	900	ton	18.00	16,200
	1963	600	1.80	1,080	ton	20.90	22,600
Oats	1964	1,200	1.25	1,500	ton	50.00	75,000
	1963	1,000	.90	900	ton	55.00	49,500
Pasture & Range							
Alfalfa <u>a/</u> stubble	1964	218,000			acre	2.50	545,000
	1963	221,000			acre	3.75	829,000
Barley & <u>a/</u> wheat stubble	1964	169,000				1.60	270,000
	1963	180,000			acre	1.75	315,000
Cantaloupe <u>a/</u>	1964	28,000			acre	2.50	70,000
	1963	27,000			acre	3.75	101,000
Irrigated pasture	1964	74,000			acre	72.00	5,328,000
	1963	73,000			acre	87.50	6,388,000
Native range	1964	1,490,000			acre	1.90	2,831,000
	1963	1,540,000			acre	1.95	3,003,000

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Rice	1964	18,144	2.15	39,000	ton	\$ 100.00	\$ 3,900,000
	1963	20,065	2.15	43,000	ton	99.00	4,257,000
Safflower	1964	90,000	1.50	135,000	ton	80.00	10,800,000
	1963	105,000	1.20	126,000	ton	80.00	10,080,000
Screenings							
Alfalfa & cereal	1964			6,000	ton	15.00	90,000
	1963			2,070	ton	15.00	31,000
Silage							
Corn	1964	7,000	16.00	112,000	ton	8.30	930,000
	1963	7,500	16.00	120,000	ton	10.33	1,240,000
Sorghum	1964	3,500	21.00	73,500	ton	8.30	610,000
	1963	4,000	22.00	88,000	ton	10.33	909,000
Other	1964	600	16.00	9,600	ton	8.30	79,700
	1963	800	16.00	12,800	ton	10.33	132,000
Sorghum grain	1964	16,000	2.00	32,000	ton	50.00	1,600,000
	1963	14,000	2.50	35,000	ton	46.40	1,624,000
Straw <u>a/</u>	1964	51,000	1.00	51,000	ton	8.00	408,000
	1963	53,000	1.00	53,000	ton	10.00	530,000
Sugar beets	1964	31,161	20.20	629,000	ton	11.70	7,359,000
	1963	23,362	23.80	556,000	ton	13.40	7,450,000
Wheat	1964	13,998	1.90	26,600	ton	55.00	1,463,000
	1963	10,912	1.85	20,200	ton	62.00	1,252,000
Misc. <u>b/</u>	1964						253,000
	1963						184,000
Totals	1964	2,349,889					\$178,077,000
	1963	2,408,339					180,576,000

a/ Not included in total acreage figures. Already shown opposite crop involved.

b/ Misc. includes Flaxseed, Peanuts, Sesame, Sugar Cane, and Sunflowers.

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Alfalfa, Cert. All	1964	23,696					
	1963	23,811					
Cody	1964	1,416	300	425,000	lb.	\$ .35	\$ 149,000
	1963	1,215	352	428,000	lb.	.38	163,000
Culver	1964	345	241	83,100	lb.	.42	34,900
	1963	651	198	129,000	lb.	.44	56,800
DuPuits <u>a/</u>	1964	<u>a/</u>					
	1963	857	407	349,000	lb.	.425	148,000
F.D.100 <u>a/</u>	1964	<u>a/</u>					
	1963	1,089	259	282,000	lb.	.375	106,000
Lahontan	1964	1,227	309	379,000	lb.	.50	190,000
	1963	1,863	376	700,000	lb.	.48	336,000
Noapa	1964	2,198	647	1,422,000	lb.	.39	555,000
	1963	3,385	610	2,065,000	lb.	.41	847,000
Ranger	1964	12,119	709	8,592,000	lb.	.33	2,835,000
	1963	12,169	507	6,170,000	lb.	.34	2,098,000
Sonora	1964	1,365	596	814,000	lb.	.40	326,000
	1963	606	442	268,000	lb.	.66	177,000
Vernal	1964	None					
	1963	<u>a/</u>					
Williamsburg	1964	475	840	399,000	lb.	.335	134,000
	1963	303	683	207,000	lb.	.40	82,800
Other <u>a/</u>	1964	4,551	520	2,367,000	lb.	.42	994,000
	1963	1,673	428	716,000	lb.	.46	329,000
Alfalfa, Common All	1964	11,144					
	1963	9,831					
California Common <u>b/</u>	1964	2,400	512	1,229,000	lb.	.32	393,000
	1963	3,772	450	1,697,000	lb.	.34	577,000
European <u>c/</u>	1964	1,814	462	838,000	lb.	.44	369,000
	1963	1,614	388	626,000	lb.	.44	275,000
Proprietary	1964	6,930	483	3,347,000	lb.	.40	1,339,000
	1963	4,445	500	2,222,000	lb.	.43	955,000

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley, Cert.	1964	731	2,843	2,078,000	lb.	\$ .0380	\$ 79,000
	1963	700	2,720	1,904,000	lb.	.0375	71,400
Barley, Common	1964	2,418	3,885	9,394,000	lb.	.0365	343,000
	1963	4,120	3,000	12,360,000	lb.	.033	408,000
Cotton <u>d/</u>	1964	16,975	826	14,021,000	lb.	.074	1,038,000
	1963	18,242	826	15,068,000	lb.	.074	1,115,000
Grasses <u>e/</u>	1964	6,259			lb.		131,000
	1963	2,164			lb.		103,000
Melilotus indica	1964 <u>e/</u>						
	1963	52	800	42,000	lb.	.033	1,400
Oats, Common	1964 <u>e/</u>						
	1963	391	1,800	704,000	lb.	.045	31,700
Rice, Cert. <u>d/</u>	1964	620	4,300	2,666,000	lb.	.072	192,000
	1963	790	4,300	3,397,000	lb.	.072	245,000
Rice, Common <u>d/</u>	1964	328	4,300	1,410,000	lb.	.07	98,700
	1963	350	4,300	1,505,000	lb.	.07	105,000
Safflower, Cert.	1964	570	2,000	1,140,000	lb.	.075	85,500
	1963	241	2,000	482,000	lb.	.075	36,200
Safflower, Common	1964	None					
	1963	665	2,000	1,330,000	lb.	.04	53,200
Vegetable <u>f/</u>	1964	872			lb.		1,533,000
	1963	639			lb.		847,000
Vetch, Common	1964	None					
	1963	16	675	10,800	lb.	.12	1,300
Wheat, Common <u>d/</u>	1964	None					
	1963	72	3,200	230,000	lb.	.041	9,400
Totals	1964	45,690					\$10,819,000
	1963	42,630					9,178,000

a/ Includes miscellaneous varieties of Atlantic, Buffalo, Cherokee, DuPuits, F.D.100, 525, 522, Joaquin 11, Mega, Progress, SC, 118, Vernal.

b/ Includes Common and Uncertified Alfalfa.

c/ Altfranken Schmidt, Steinbach, Arnims, Glacier, Mega, Milfleuil, Orchies, Schlesische.

d/ Not included in total acreage.

e/ Grasses: Canary, Bromegrass, Ryegrass, Cert. Sudan, Melilotus Indica, Common wheat, Common oats, Common sudan.

f/ Vegetable: Cantaloupe, Carrot, Collards, Lettuce, Mustard, Onion, Okra.

VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Beans, snap	1964	110	5.3	583	ton	\$ 260	\$ 152,000
	1963	80	5.2	416	ton	240	100,000
Beans, other	1964	20	5.0	100	ton	260	26,000
	1963	20	5.0	100	ton	240	24,000
Cabbage	1964	50	15.0	750	ton	50	37,500
	1963	40	16.9	676	ton	49	33,000
Chinese veg.	1964	200	13.0	2,600	ton	105	273,000
	1963	215	12.0	2,580	ton	100	258,000
Corn, sweet fresh	1964	340	3.5	1,190	ton	137	163,000
	1963	260	6.0	1,560	ton	131	204,000
Cucumbers	1964	150	9.0	1,350	ton	185	250,000
	1963	200	9.6	1,920	ton	125	240,000
Melons							
Cantaloupes	1964	30,400	7.4	225,000	ton	72	16,200,000
	1963	30,000	6.9	207,000	ton	72	14,904,000
Casaba	1964	165	6.3	1,040	ton	90	93,600
	1963	80	6.5	520	ton	85	44,200
Cranshaw	1964	360	5.2	1,870	ton	100	187,000
	1963	240	5.0	1,200	ton	105	126,000
Honeydew	1964	305	6.2	1,890	ton	90	170,000
	1963	225	6.0	1,350	ton	90	122,000
Persian	1964	65	4.7	306	ton	95	29,100
	1963	35	5.0	175	ton	90	15,800
Watermelons	1964	1,200	13.0	15,600	ton	37	577,000
	1963	1,500	12.0	18,000	ton	24	432,000
Onions							
Dry	1964	300	13.0	3,900	ton	100	390,000
	1963	320	13.0	4,160	ton	100	416,000
Green	1964	460	10.0	4,600	ton	160	736,000
	1963	500	12.5	6,250	ton	160	1,000,000

## VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peppers							
Bell	1964	300	7.4	2,220	ton	\$ 250	\$ 555,000
	1963	400	11.2	4,480	ton	100	448,000
Chili	1964	75	5.0	375	ton	240	90,000
	1963	50	5.0	250	ton	225	56,000
Radishes	1964	500	5.5	2,750	ton	110	302,000
	1963	450	5.5	2,480	ton	100	248,000
Romaine	1964	350	8.0	2,800	ton	75	210,000
	1963	300	10.0	3,000	ton	80	240,000
Squash							
Summer	1964	350	8.0	2,800	ton	183	512,000
	1963	350	8.5	2,980	ton	187	557,000
Winter	1964	50	10.0	500	ton	45	22,500
	1963	80	10.5	840	ton	45	37,800
Sweet Potatoes	1964	825	6.0	4,950	ton	187	926,000
	1963	627	4.0	2,500	ton	184	460,000
Tomatoes							
Fresh							
Cherry	1964	60	19.5	1,170	ton	274	321,000
	1963	50	20.0	1,000	ton	175	175,000
Regular	1964	300	20.0	6,000	ton	204	1,224,000
	1963	525	21.0	11,000	ton	190	2,090,000
Processed	1964	2,350	25.0	58,800	ton	25	1,470,000
	1963 <u>a/</u>						
Turnips	1964	60	12.0	720	ton	55	39,600
	1963	80	13.0	1,040	ton	60	62,400
Other veg. <u>b/</u>	1964	2,685		32,000	ton		2,338,000
	1963	<u>2,905</u>		36,000	ton		<u>2,603,000</u>
Totals	1964	42,030					\$27,294,000
	1963	39,532					24,896,000

a/ Listed under "Other Vegetables".

b/ "Other Vegetables" include beets, broccoli, cantaloupes (frozen), carrots, cauliflower, cucumbers (processed), eggplant, lettuce, mustard greens, peas, potatoes, spinach, swiss chard, tomatoes (hot house grown), and watermelons (frozen).



FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Almonds	1964	2,610	.60	1,566	ton	\$ 520	\$ 814,000
	1963	1,928	.55	1,060	ton	500	530,000
Apricots	1964	476	5.10				
	1963	430	4.87				
Canned	1964			1,990	ton	80	159,000
	1963			1,280	ton	73	93,400
Dried	1964 <u>a/</u>						
	1963			71	ton	800	56,800
Fresh	1964			90	ton	170	15,300
	1963			97	ton	196	19,000
Frozen	1964			205	ton	90	18,400
	1963			200	ton	87	17,400
Bushberries	1964	250	4.50				
	1963	190	5.80				
Fresh	1964			144	ton	456	65,700
	1963			450	ton	422	190,000
Processed	1964			981	ton	370	363,000
	1963			650	ton	270	176,000
Figs	1964	12,871					
	1963	12,803					
Dry Pack	1964		.90	3,717	ton	267	992,000
	1963		.75	3,660	ton	263	963,000
Dry Paste	1964		.90	7,435	ton	267	1,985,000
	1963		.75	6,240	ton	263	1,641,000
Fresh	1964		4.20	930	ton	366	340,000
	1963		4.00	760	ton	276	210,000
Grapefruit	1964	20	2.60	52	ton	80	4,160
	1963	9	3.07	28	ton	68	1,900
Grapes, All	1964	164,600					
	1963	160,191					
Raisin varieties	1964	142,228					
	1963	138,372					
Canned	1964		9.90	14,000	ton	58	812,000
	1963		9.00	11,200	ton	55	616,000

FRUIT & NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Grapes (cont'd)							
Raisin varieties							
Crushed	1964		8.50	372,000	ton	\$ 41	\$15,252,000
	1963		8.90	379,000	ton	32	12,128,000
Dried	1964		1.88	156,000	ton	340	53,040,000
	1963		1.93	144,000	ton	343	49,392,000
Fresh	1964		9.70	101,000	ton	166	16,766,000
	1963		8.80	107,000	ton	177	18,939,000
Table varieties	1964	12,328					
	1963	12,253					
Crushed	1964		8.00	48,400	ton	38	1,839,000
	1963		8.00	47,100	ton	28	1,319,000
Fresh	1964		5.30	53,600	ton	186	9,970,000
	1963		7.90	49,700	ton	177	8,797,000
Wine Varieties	1964	10,044					
	1963	9,566					
Crushed	1964		9.50	73,600	ton	59	4,342,000
	1963		9.60	78,200	ton	39	3,049,000
Fresh	1964		9.50	23,200	ton	131	3,039,000
	1963		8.30	10,800	ton	127	1,372,000
Lemons	1964	147	7.90				
	1963	146	6.90				
Fresh	1964			658	ton	209	138,000
	1963			498	ton	184	91,600
Processed	1964			500	ton	55	27,500
	1963			504	ton	90	45,400
Nectarines	1964	4,659	8.60				
	1963	4,478	9.60				
Dried	1964 <sup>a/</sup>						
	1963			100	ton	540	54,000
Fresh	1964			38,600	ton	203	7,836,000
	1963			36,500	ton	198	7,227,000

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Nectarines (cont'd)							
Processed	1964			1,030	ton	\$ 83	\$ 85,500
	1963			800	ton	54	43,200
Olives	1964	912	2.80				
	1963	911	3.00				
Canned	1964			1,830	ton	140	256,000
	1963			1,760	ton	245	431,000
Oil	1964			707	ton	70	49,500
	1963			873	ton	70	61,100
Oranges, All	1964	4,844					
	1963	3,860					
Navel	1964	4,134	8.90				
	1963	3,236	7.40				
Fresh	1964			32,200	ton	170	5,474,000
	1963			15,400	ton	173	2,664,000
Processed	1964			3,960	ton	23	91,000
	1963			7,890	ton	20	158,000
Valencia	1964	660	8.70				
	1963	569	7.10				
Fresh	1964			4,530	ton	150	680,000
	1963			1,640	ton	191	313,000
Processed	1964			1,110	ton	31	34,400
	1963			2,380	ton	44	105,000
Miscellaneous	1964	50	8.00	400	ton	31	12,400
	1963	55	7.60	418	ton	29	12,100
Peaches, All	1964	11,911					
	1963	11,304					
Clingstone	1964	2,052	12.50				
	1963	1,705	12.00				
Fresh	1964			40	ton	189	7,560
	1963			20	ton	97	1,940
Processed	1964			25,600	ton	59	1,510,000
	1963			20,500	ton	57	1,168,000

## FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peaches (Cont'd)							
Freestone	1964	9,859	9.00				
	1963	9,598	9.00				
Canned	1964			11,000	ton	\$ 50	\$ 550,000
	1963			10,900	ton	45	490,000
Dried	1964			2,000	ton	480	960,000
	1963			2,250	ton	540	1,215,000
Fresh	1964			55,200	ton	183	10,102,000
	1963			53,900	ton	152	8,193,000
Frozen	1964			8,500	ton	65	552,000
	1963			6,157	ton	56	345,000
Persimmons	1964	56	4.00	224	ton	324	72,600
	1963	46	4.00	184	ton	250	46,000
Plums	1964	6,373	6.40				
	1963	5,778	7.50				
Canned	1964			480	ton	7	3,360
	1963			956	ton	6	5,740
Fresh	1964			39,000	ton	222	8,658,000
	1963			31,600	ton	230	7,268,000
Frozen	1964			1,328	ton	10	13,300
	1963			3,800	ton	9	34,200
Pomegranates	1964	369	6.30	2,320	ton	180	418,000
	1963	256	6.50	1,660	ton	192	319,000
Prunes							
Fresh	1964 <sup>a/</sup>						
	1963	108	5.90	640	ton	143	91,500
Strawberries	1964	200	8.97	1,794	ton	457	820,000
	1963	190	10.25	1,950	ton	455	887,000
Walnuts	1964	2,332	.45	1,050	ton	400	420,000
	1963	2,165	.75	1,620	ton	400	648,000

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1964 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Miscellaneous <u>a/</u>	1964	248				\$	565,000
	1963	234					443,000
Totals	1964	212,878					\$149,153,000
	1963	205,027					131,871,000

a/ Miscellaneous includes almond hulls, apples, dried apricots, avocados, canned figs, sub-standard figs, filberts, dried nectarines, Greek olives, pears, pecans, pistachio nuts, prunes, damaged raisins, tangerines, and black walnuts.

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1964

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Bedding Plants							
Pansies, field grown	1964		1.50	5,200	flat	\$1.80	\$ 9,360
	1963		1.25	6,400	flat	1.80	11,500
Others	1964	18,000		18,000	flat	2.00	36,000
	1963	13,000		18,000	flat	2.10	37,800
Bulbs, Rhizomes (Iris)							
Roots, etc.	1964		1.0	1,192	plant	.25	298
	1963	None					
Cactus & Succulents	1964	6,000		7,500	plant	.30	2,250
	1963	250		250	plant	.30	75
Christmas Trees	1964			7,000	tree	1.50	10,500
	1963			4,500	tree	1.00	4,500
Citrus							
Grapefruit							
Marsh	1964		.03	250	tree	2.50	625
	1963		.05	400	tree	2.50	1,000
Others	1964		.02	110	tree	2.50	275
	1963	None					
Kumquats	1964	None					
	1963		.01	100	tree	2.50	250
Lemons							
Eureka	1964		.14	1,150	tree	2.50	2,875
	1963		.12	970	tree	2.50	2,420
Lisbon	1964	None					
	1963		.01	150	tree	2.50	375
Limes	1964		.03	200	tree	2.50	500
	1963		.01	150	tree	2.50	375
Oranges							
Navel							
Frost Nucellar	1964		6.2	49,650	tree	2.50	124,125
	1963		5.0	36,520	tree	2.50	91,300

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1964 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Oranges (Cont'd)							
Navel							
Robertson	1964		.06	500	tree	\$2.50	\$ 1,250
	1963		.12	750	tree	2.50	1,880
Washington	1964		6.3	50,500	tree	2.50	126,250
	1963		6.5	50,900	tree	2.50	127,000
Thompson	1964	None					
	1963		.01	150	tree	2.50	375
Valencias							
Frost	1964	None					
	1963		.14	1,300	tree	2.50	3,250
Campbell	1964		.06	500	tree	2.50	1,250
	1963	None					
Olinda	1964		2.98	23,850	tree	2.50	59,600
	1963		2.25	17,596	tree	2.50	44,000
Regular	1964		.19	1,500	tree	2.50	3,750
	1963		.50	3,500	tree	2.50	8,750
Satsuma Mandarin	1964		.69	5,500	tree	2.50	13,750
	1963		1.25	8,500	tree	2.50	21,200
Seedlings	1964			2,000	plant	.10	200
	1963	None					
Tangerines							
Dancy	1964		.06	500	tree	2.50	1,250
	1963		.06	500	tree	2.50	1,250
Cut Flowers							
Chrysanthemum	1964		.125	100	bunch	2.00	200
	1963		.25	600	bunch	1.00	600
Gladiolus	1964		.125	175	dozen	1.25	218
	1963		.25	500	dozen	1.00	500
Deciduous Fruit Trees							
Figs	1964		1.0	2,985	tree	.85	2,500
	1963		1.5	5,815	tree	.85	4,940

## NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1964 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
General Ornamentals	1964	150,000		120,000	plant	\$ .60	\$ 72,000
	1963	None					
Grapevines							
Carignane	1964		3.5	29,400	per M	67.50	1,990
	1963		.75	16,500	per M	60.00	990
Emperor	1964	None					
	1963		1.25	22,000	per M	60.00	1,320
Grenache	1964		.50	3,450	per M	67.50	233
	1963		2.50	43,450	per M	60.00	2,600
Rubired	1964		3.0	50,000	per M	70.00	3,500
	1963	None					
Thompson	1964		18.0	227,000	per M	67.50	15,300
	1963		20.0	436,900	per M	60.00	26,200
White Malaga	1964		.20	950	per M	67.50	64
	1963	None					
1613	1964	None					
	1963		.50	9,500	per M	60.00	570
Herbaceous perennials							
Hibiscus, Phlox,	1964	2,500		2,500	plant	.60	1,500
Clematis, etc.	1963	3,000		3,000	plant	.60	1,800
Indoor decorative plants							
Saintpaulia	1964	7,250		13,000	plant	.50	6,500
	1963	7,000		12,500	plant	.60	7,500
Pothos, Peperomia,	1964	4,300		4,000	plant	.30	1,200
Philodendron,	1963	2,000		2,000	plant	.30	600
Chinese ever- green, etc.							
Propagative Materials							
Citrus Budwood							
Navel							
Frost Nucellar	1964		.80	39,683	bud	.08	3,180
	1963		.80	38,384	bud	.06	2,300



NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1964 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Propagative Materials							
Citrus Budwood							
Valencia	1964		.80	36,563	bud	\$ .08	\$ 2,900
	1963	None					
Grapefruit	1964			50	bud	.08	4
	1963	None					
Lemon	1964			356	bud	.08	28
	1963	None					
Grape Cuttings (Calif. State Certified)							
Emperor & Ribier	1964			3,610	plant	.07	252
	1963		.50	7,350	plant	.07	515
Salt Creek	1964	None					
	1963		.10	1,500	plant	.07	105
Thompson	1964			10	plant	.07	1
	1963	None					
Others	1964			20	plant	.07	1
	1963		.50	13,300	plant	.05	665
Pits (Nemaguard)	1964		2.5	534,830	seed	.03	16,000
	1963		5.0	900,000	seed	.01	9,000
Trees							
Ornamental	1964		.20	500	tree	2.00	1,000
	1963		.10	300	tree	2.00	600
Shade	1964		.33	3,000	tree	2.00	6,000
	1963		.25	3,100	tree	2.25	6,980
Vegetable Plants							
Hot Beds							
Tomatoes,	1964	5,500		200,000	per M	4.00	800
Peppers	1963	22,250		620,000	per M	4.00	2,480
Yams	1964		3.25	5,125,000	per M	4.00	20,500
	1963		2.60	4,010,000	per M	4.00	16,000

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1964 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Special group							
Tomatoes, Peppers	1964	95,000		3,150,000	per M	\$20.00	\$ 63,000
	1963	105,000		3,400,000	per M	20.00	68,000
Others	1964	20,000		500,000	per M	20.00	10,000
	1963	None					
Totals	1964	288,550	53.59				\$623,000
	1963	152,500	54.13				512,000

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1964

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle & Calves						
Beef						
Breeding Stock						
Common	1964	4,500		head	\$200.00	\$ 900,000
	1963	4,000		head	225.00	900,000
Registered	1964	1,000		head	375.00	375,000
	1963	800		head	400.00	320,000
Feeders	1964	78,000	312,000	cwt.	21.00	6,552,000
	1963	75,000	300,000	cwt.	23.00	6,900,000
Slaughter stock						
From feed lots	1964	195,280	742,000	cwt.	22.00	16,324,000
	1963	176,000	669,000	cwt.	24.00	16,056,000
From other sources	1964	9,000	90,000	cwt.	13.50	1,215,000
	1963	10,000	100,000	cwt.	15.00	1,500,000
Dairy	1964	9,000		head	250.00	2,250,000
Breeding stock	1963	11,300		head	260.00	2,938,000
Cull stock	1964	10,000	120,000	cwt.	11.00	1,320,000
	1963	11,000	132,000	cwt.	16.00	2,112,000
Calves	1964	35,000	87,500	cwt.	21.00	1,838,000
	1963	30,000	75,000	cwt.	24.00	1,800,000
Cows	1964	1,800		head	145.00	261,000
	1963	2,000		head	150.00	300,000
Sheep and Lambs						
Slaughter stock						
Lambs	1964	74,000	59,200	cwt.	21.00	1,243,000
	1963	73,700	59,000	cwt.	18.00	1,062,000
Sheep	1964	10,000	14,000	cwt.	4.60	64,400
	1963	9,850	13,800	cwt.	4.10	56,600
Hogs and Pigs						
Breeding stock	1964	40		head	75.00	3,000
	1963	50		head	78.00	3,900
Feeders	1964	1,000	700	cwt.	18.00	12,600
	1963	3,200	2,240	cwt.	22.00	49,300
Slaughter stock	1964	5,500	11,275	cwt.	17.50	197,000
	1963	5,000	10,000	cwt.	17.00	170,000

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1964 (Cont'd)

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per unit	Total
Horses and mules						
Work stock	1964	100		head	\$150.00	\$ 15,000
	1963	200		head	150.00	30,000
Recreational stock	1964	1,500		head	195.00	292,000
	1963	1,700		head	193.00	328,000
Broilers & Fryers	1964	6,083,500	21,292,000	lb.	.173	3,684,000
	1963	2,036,000	7,126,000	lb.	.176	1,254,000
Other Chickens	1964	775,000	3,100,000	lb.	.062	192,000
	1963	599,000	2,696,000	lb.	.072	194,000
Chicks	1964	13,848,000		each	.125	1,731,000
	1963	11,751,000		each	.134	1,575,000
Turkeys	1964	2,336,400	42,055,000	lb.	.215	9,042,000
	1963	2,693,000	48,474,000	lb.	.217	10,519,000
Turkey poults	1964	5,178,000		each	.681	3,526,000
	1963	4,987,000		each	.567	2,828,000
Pigeons	1964	10,000	13,000	lb.	.75	9,750
	1963	10,500	13,000	lb.	.75	9,750
Rabbits	1964	2,500	12,500	lb.	.23	2,880
	1963	3,000	15,000	lb.	.23	3,450
Miscellaneous <u>a/</u>	1964	14,000				18,700
	1963	20,400				77,500
Totals	1964					\$51,068,000
	1963					50,986,000

a/ Miscellaneous includes miscellaneous poultry such as pheasants, ducks, geese, etc.

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE - 1964

Crop	Year	Production	Unit	Value	
				Per Unit	Total
Milk					
Manufacturing	1964	264,000	cwt.	\$ 3.22	\$ 850,000
	1963	453,000	cwt.	3.13	1,418,000
Market	1964	3,616,000	cwt.	4.05	14,645,000
	1963	3,426,000	cwt.	4.01	13,738,000
Wool	1964	1,415,000	lb.	.49	693,000
	1963	1,430,000	lb.	.40	572,000
Eggs					
Chicken Hatching	1964	4,786,000	dozen	.75	3,590,000
	1963	607,000	dozen	.75	450,000
Market	1964	14,331,000	dozen	.302	4,328,000
	1963	24,958,000	dozen	.315	7,862,000
Turkey Hatching	1964	7,308,000	each	.235	1,717,000
	1963	3,150,000	each	.25	788,000
Miscellaneous	1964	1,500	cwt.		31,300
	1963	1,500	cwt.		31,300
Totals	1964				\$25,854,000
	1963				24,859,000

JANUARY 1 INVENTORIES OF LIVESTOCK & POULTRY (In Number of Head)

Item	January 1, 1963	January 1, 1964
Cattle and Calves		
All	270,000	275,000
Milk cows 2 years and over	47,900	48,000
Cattle and calves on feed	73,000	72,000
Sheep and Lambs		
All	156,000	155,000
Stock sheep	82,000	81,000
Hogs and Pigs	4,000	4,500
Horses and Mules	6,000	6,500
Hens and pullets of laying age	1,198,000	1,323,950
Turkey breeder hens	63,000	104,400

APIARY PRODUCTS: PRODUCTION AND VALUE - 1964

Item	Year	Production total	Unit	Value	
				Per unit	Total
Honey	1964	795,000	lb.	\$ .122	\$ 97,000
	1963	1,463,000	lb.	.143	209,000
Beeswax	1964	13,300	lb.	.445	5,920
	1963	24,400	lb.	.430	10,500
Pollination <u>a/</u>					
Alfalfa Seed	1964	15,200	colony	4.05	61,600
	1963	20,200	colony	4.00	80,800
Almonds	1964	8,000	colony	1.94	15,500
	1963	9,700	colony	1.80	17,500
Plums	1964	4,000	colony	2.04	8,160
	1963	3,500	colony	2.00	7,000
Cantaloupes	1964	3,300	colony	3.67	12,100
	1963	1,000	colony	2.90	2,900
Totals	1964				\$ 200,000
	1963				328,000

a/ This reflects only the bees registered in Fresno County by commercial and semi-commercial beekeepers. Approximately 114,000 colonies were estimated to be in Fresno County at the peak of the pollination season.

\* \* \* \* \*

The following table reflects gross income from approximately 114,000 colonies of bees pasturing in Fresno County during the peak of the 1964 pollination season. (Shown for interest value only. Not included in crop report values.)

Item	Year	Production total	Unit	Value	
				Per unit	Total
Honey	1964	5,475,000	lb.	\$ .12	\$ 657,000
Beeswax	1964	91,000	lb.	.445	40,500
Pollination					
Alfalfa Seed	1964	97,000	colony	4.50	436,000
Almonds	1964	8,000	colony	1.90	15,200
Plums	1964	4,000	colony	2.00	8,000
Cantaloupes	1964	3,300	colony	3.67	12,100
Totals					\$1,169,000

Growth of Fresno County Agriculture as Indicated by Gross Value  
of Agricultural Products for the Past Twenty-Nine Years

1936 - 38,710,000 1958 - 370,997,930  
1940 - 39,697,500 1959 - 390,211,120  
1945 - 142,455,590 1960 - 388,802,520  
1950 - 285,169,170 1961 - 385,091,740  
1955 - 325,844,210 1962 - 413,572,210  
1956 - 330,096,960 1963 - 423,206,000  
1957 - 359,569,750 1964 - 443,088,000

SIX YEAR COMPARISON STUDY OF GROSS CROP VALUES IN FRESNO COUNTY

	1959	1960	1961	1962	1963	1964
Field Crops	\$162,923,520	\$167,971,200	\$153,431,490	\$168,847,000	\$180,576,000	\$178,077,000
Seed Crops	12,980,830	13,324,000	12,123,590	9,978,590	9,178,000	10,819,000
Vegetable Crops	22,387,770	24,700,900	25,072,920	21,600,480	24,896,000	27,294,000
Fruit & Nut Crops	127,063,560	105,087,850	114,884,230	125,380,110	131,871,000	149,153,000
Nursery Products	489,100	527,990	605,210	702,210	512,000	623,000
Livestock & Poultry	64,118,280	76,795,570	78,393,480	86,747,190	75,845,000	76,922,000
Apiary	248,060	386,610	573,470	316,630	328,000	200,000
Miscellaneous	----	8,400	7,350	-----	-----	-----
Grand Total	\$390,211,120	\$388,802,520	\$385,091,740	\$413,572,210	\$423,206,000	\$443,088,000

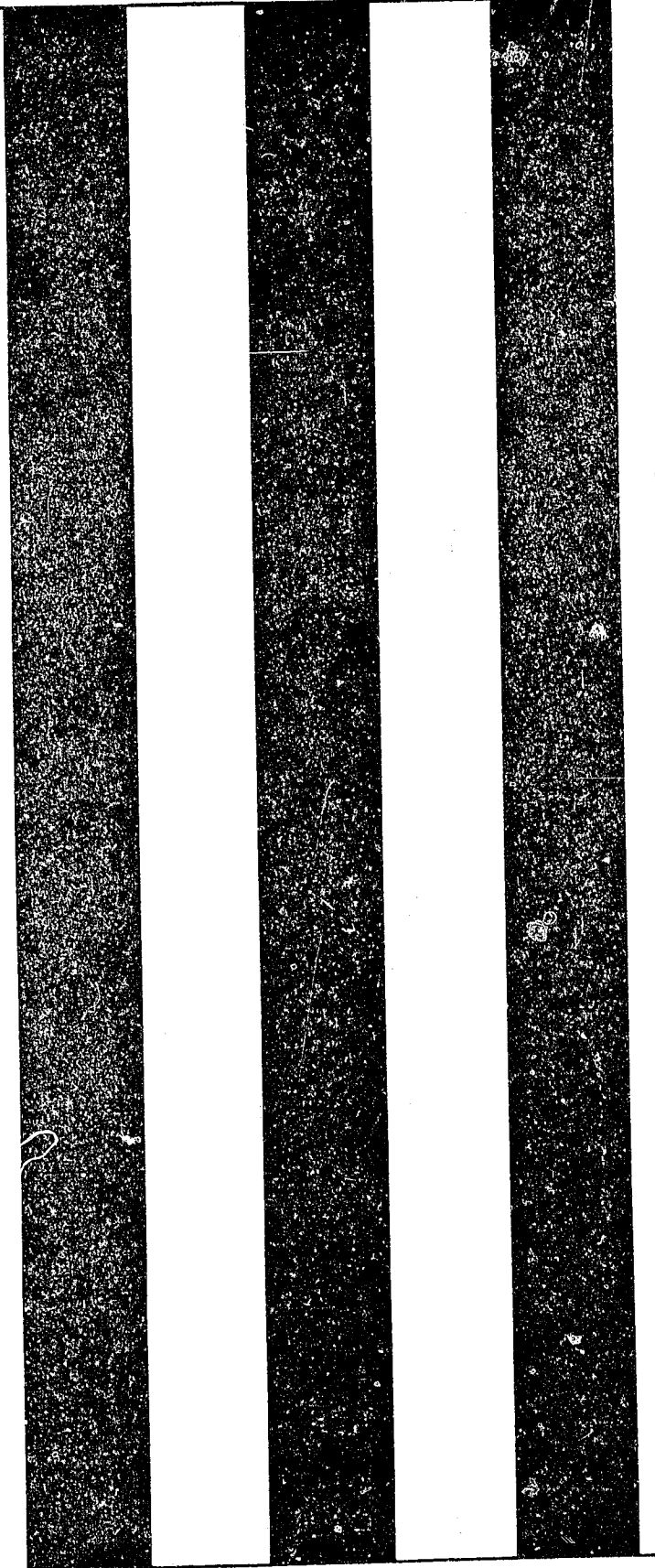
FRUIT, NUT & VINE ACREAGE SURVEY -- 1964\*

California Crop and Livestock Reporting Service  
Fresno County Agricultural Commissioner Cooperating

	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>
Almonds	2,610	2,363	4,973
Apples	105	8	113
Apricots	476	5	481
Avocados	0	39	39
Cherries	0	7	7
Figs	12,871	119	12,990
Filberts	1	0	1
Grapefruit	20	0	20
Grapes, All	164,600	5,810	170,410
Raisin Grapes	142,228	4,275	146,503
Table Grapes	12,328	284	12,612
Wine Grapes	10,044	1,251	11,295
Lemons	147	18	165
Limes	3	0	3
Nectarines	4,659	277	4,936
Olives	912	43	955
Oranges, All	4,865	6,226	11,091
Navel	4,134	4,813	8,947
Valencia	660	1,271	1,931
Others	71	142	213
Peaches, All	11,911	837	12,748
Cling	2,052	168	2,220
Free	9,859	669	10,528
Pears	19	0	19
Pecans	46	32	78
Persimmons	56	14	70
Pistachio Nuts	15	0	15
Plums	6,373	1,042	7,415
Pomegranates	369	35	404
Prunes	2	191	193
Quince	0	2	2
Walnuts, All	2,368	1,127	3,495
Black	36	143	179
English	2,332	984	3,316
Totals	212,428	18,195	230,623

\*These statistics represent only the planting and pull-out changes up to May 1, 1964. The 1964-65 planting season will be reflected in the 1965 Annual Crop Report.



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1965

OFFICE OF THE  
AGRICULTURAL COMMISSIONER

**1965**  
**AGRICULTURAL**  
**CROP REPORT**  
**FRESNO COUNTY**



"WORLD CAPITAL OF  
AGRIBUSINESS"



OFFICE OF  
AGRICULTURAL COMMISSIONER

L. D. McCORKINDALE  
Commissioner

P. O. BOX 801  
FRESNO, CALIFORNIA 93712

1730 SO. MAPLE AVENUE  
PHONE: 233-3791

April 15, 1966

Charles Paul, Director  
California Department of Agriculture  
and  
The Honorable Board of Supervisors  
County of Fresno

Floyd Olsen, Chairman  
Wesley R. Craven    Jefferson E. Haesey  
Bert DeLotto        Joseph A. Reich  
Phillip V. Sanchez  
County Administrative Officer

Gentlemen:

Gross value of the products from Fresno County's principal industry has once again and for the fourth consecutive year comfortably exceeded the four hundred million dollar mark. Each year crop patterns, yields and prices change considerably, but the great resiliency in the agricultural economy normally levels out the high and low trends.

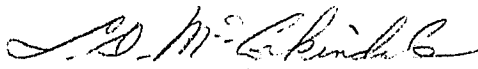
Although often repeated in the annual crop reports of many county agricultural Commissioners throughout California, the fact that gross value of the products and not net value to the farmer are exhibited in this report must again be emphasized.

Section 65.5 of the California Agricultural Code requires the compilation of data contained herein. These statistics are widely used by many persons in a great diversity of businesses, both private and governmental.

Various members of my staff have worked diligently on this report under the guidance and supervision of Deputy Commissioner T. E. Corn. I wish to commend all of them for their painstaking efforts.

Especially do I wish to acknowledge with deep appreciation the very helpful cooperation of the many producers, grower associations, food processors, Farm Advisor personnel, A. S. C. office, beekeepers, packing house managers, California Crop and Livestock Reporting Service personnel, and numerous other persons and agencies. Each contributor played an integral part in the issuance of this publication.

Respectfully submitted,

  
L. D. McCorkindale  
Agricultural Commissioner

## AGRI-LITES of 1965

In keeping with agricultural economic trends in other portions of the San Joaquin Valley, a decrease in gross value of farm products in Fresno County took place in 1965. A dip of \$4,835,000 for the year was primarily caused by the lowering of acreage, yield, and price of cotton.

Nevertheless, the grand total of \$438,253,000 was the second highest in history and has been exceeded only by the record breaking \$443,088,000 gross value of the 1964 season.

In a comparison study of crop groups for 1964 and 1965 a heavy drop in value of more than 13-1/2 million dollars is readily apparent for field crops. A portion of this loss was overcome by an increase of \$1,691,000 in seed crops, and a jump of more than two million dollars in vegetable crops.

Fruit and nut crops almost cancelled the gain by showing a decrease from 1964 of \$3,145,000 in this category. Then nursery products picked up \$319,000 with apiary products showing an increase of \$128,000.

Without livestock and poultry the grand total would have been drastically reduced. This group came forward to show a sizeable gain of \$7,662,000 over 1964 and then leveled out the end result to a less than \$5,000,000 loss for all products.

Individual crop behavior proved very interesting. Cotton was hard hit by an acreage loss of 3,781 acres and a reduced total yield from 1964 of 16,000 bales. These factors coupled with a \$15 price per bale reduction caused cotton in 1965 to fall short \$9,585,000 from the 1964 figure.

Safflower's reduction in acreage and yield was not offset by a value increase of \$5 per ton. Net loss in this crop was \$2,640,000. Sorghum grain increased over one-half million dollars. Sugar beets was another major field crop which suffered a large acreage drop of almost 11,000 acres, picked up a little in yield and price, but came out with the sizeable decrease in gross value of \$2,389,000.

Most outstanding of the seed crops were the proprietary varieties of alfalfa seed which showed a gross value of \$3,656,000, thus yielding more than \$2,300,000 over the 1964 figure. Information received from growers and processors substantiated the increasing interest in the private brand alfalfa varieties.

Bearing grape acreage in Fresno County increased 2,882 acres. Yields were very high despite mildew infections from cool summer weather, plus split berries and bunch rot following rain on August 11. Thompson seedless grapes for raisins had low sugar content in many vineyards resulting in tray weights below 1964. However, the number of trays per acre was high, averaging about 970 trays per acre. Field curing conditions were generally very good and tended to offset the low sugar content factor of the fresh berries.

Table grapes had lower prices, but high yields, and accordingly showed little change in 1964 and 1965 values. Wine grapes had very high yields but prices were sharply down and reduced the total value by 1.32 million dollars.

Nectarine acreage and yields increased. Prices declined somewhat, but total value showed some upward trend. General quality and pack-out were good.

## Agri-Lites of 1965

Bearing orange acreage increased almost 23% during 1965. Fruit counts per tree were down. Sizes tended to run fairly large. Prices were under the previous year and total value was decreased accordingly.

Pollination conditions during February and March were ideal for almonds and yields were very satisfactory. Bearing acreage increased approximately 19%. Total production was up. Returns were satisfactory and total value increased.

Yield prospects were good for figs until rain on August 11th caused splitting of second crop Calimyrnas, as well as serious damage to Adriatics and other varieties. Final yields and value were low.

Peach acreage showed very little change. Yields showed some reduction. Substantial cullage was reported for some freestone varieties. Prices and total value of freestone peaches were both down.

Bearing acreage for the 1965 plum crop increased almost 6%. Yields were up somewhat, but cullage from hail damage, scars, growth cracks, and brown rot was very high. Prices were also down resulting in a lower total value.

Acreage, yields, and prices for strawberries were up. Total value exceeded the one million dollar mark, the first record of strawberries attaining a million dollars f.o.b. value in Fresno County.

A marked increase in value over 1964 was experienced in beef cattle from feed lots. This is one of the major agricultural crops in Fresno County. The \$16,324,000 figure for last year jumped to \$21,690,000 in 1965 for a sizeable gain of well over five million dollars.

Broiler and fryer chickens and market milk each exceeded their 1964 total values by over one million dollars.

Prices for hogs and pigs were up along with production. Producers are increasing their brood herds.

Acreage slumped over 5,000 acres in cantaloupes caused by fear of a labor shortage, according to reports. This reduced the total value almost \$4,000,000 compared to 1964. Tomatoes for processing, however, made up most of the cantaloupe loss by expanding over 2,500 acres in plantings with a resultant increase in value of \$2,660,000. Tomatoes for fresh use also climbed almost \$1,000,000 over 1964.

\* \* \* \* \*

In compiling the statistics in this report the instruction sheet entitled "Recommended Rounding Procedures for County Crop Report Data" as issued by the Bureau of Agricultural Statistics, State Department of Agriculture, was followed.

\* \* \* \* \*

## FRESNO COUNTY

### Geography and Climate

Almost in the center of California, Fresno County stretches for approximately 150 miles across the San Joaquin Valley in a southwest to northeast direction. It varies from 30 to 60 miles in width and covers about 6000 square miles.

The County's agricultural pre-eminence has resulted, in large part, from its favorable climate and deep alluvial soils. As many as 200 kinds of crops may be grown in various portions of the area. Extremes are found from one end of the County to the other, as exhibited below:

Transition in Life Zones range from Sonoran to Alpine	
Highest elevation (High Sierras on East) . . . . .	14,254 ft.
Lowest elevation (flat lands in West) . . . . .	110 ft.
Rainfall (maximum, including heavy snows in mountains) . . . . .	60 inches
Rainfall (minimum in semi-arid West portion) . . . . .	7 inches
Approximate average yearly rainfall for Fresno . . . . .	9.5 inches
Average maximum temperatures . . . . .	76.3°
Average minimum temperatures . . . . .	50.1°
Mean temperature . . . . .	63.2°
January temperatures - range . . . . .	38° to 54°
July temperatures - range . . . . .	65° to 99°
Growing season - average . . . . .	292 days

Climate, an important over-all consideration in human affairs, is particularly significant where it has economic consequences. Growth in agribusiness and industry is closely related to climate in this County.

Wide ranges of temperature exist. Extending along the foothills on both sides of the Valley are thermal belts where winter minimums are warmer than in adjoining areas. On the average, the Fresno Air Terminal observes 101 days per year with temperatures of 90° or higher. The average date of the first freeze in the fall occurs in mid-November for the 32° temperature and early December for the 28° value.

The precipitation pattern found within the County is profoundly influenced by topography. Moist air moving in from the Pacific rises as it passes over the Coast Ranges, then flows downslope as it comes into the San Joaquin Valley. This forms a "rain shadow" east of the Coast Range where precipitation is very light. Moving eastward across the San Joaquin Valley, rainfall continues light until the lifting effect of the Sierra Nevada causes the warm air to cool and the moisture to condense and precipitate. Nearly 85% of the annual total is received in the six-month period from October through March. On a yearly average, Fresno reports 47 days with measurable precipitation.

Thus, a favorable temperature regime at intermediate and low elevations encourages intensive cultivation of specialty crops in the San Joaquin Valley and long-term forage use over much of the mountain range lands. Without the consistent summer heat and the abundance of water available for irrigation, the crops that contribute to Fresno County's agricultural prominence could not be produced.

#### References and Sources:

California Blue Book  
Fresno County Planning Department  
U. S. Weather Bureau, Fresno Air Terminal

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley	1965	259,000	1.70	440,000	ton	\$ 48.00	\$ 21,120,000
	1964	257,000	1.65	424,000	ton	49.00	20,776,000
Beans, dry	1965	10,500	.75	7,880	ton	225.00	1,773,000
	1964	10,000	.75	7,500	ton	188.00	1,410,000
Corn	1965	9,000	2.35	21,200	ton	55.00	1,166,000
	1964	7,500	2.00	15,000	ton	57.00	855,000
Cotton Lint	1965	186,105	2.40	447,000	bale	165.00	73,755,000
	1964	189,886	2.44	463,000	bale	180.00	83,340,000
Cotton Seed	1965			182,000	ton	47.00	8,554,000
	1964			192,000	ton	48.40	9,293,000
Hay							
Alfalfa	1965	137,500	7.60	1,045,000	ton	25.00	26,125,000
	1964	137,000	7.50	1,028,000	ton	25.00	25,700,000
Grain	1965	2,500	1.85	4,620	ton	20.00	92,400
	1964	2,000	1.80	3,600	ton	18.40	66,200
Other, tame	1965	300	1.80	540	ton	18.00	9,720
	1964	300	1.80	540	ton	17.00	9,180
Wild	1965	600	1.60	960	ton	18.00	17,300
	1964	600	1.50	900	ton	18.00	16,200
Oats	1965	1,600	1.30	2,080	ton	47.00	97,800
	1964	1,200	1.25	1,500	ton	50.00	75,000
Pasture & Range							
Alfalfa <u>a/</u> stubble	1965	175,000			acre	2.75	481,000
	1964	218,000			acre	2.50	545,000
Barley & <u>a/</u> wheat stubble	1965	120,000			acre	1.50	180,000
	1964	169,000			acre	1.60	270,000
Cantaloupe <u>a/</u>	1965	8,000			acre	2.40	19,200
	1964	28,000			acre	2.50	70,000
Irrigated pasture	1965	75,000			acre	80.00	6,000,000
	1964	74,000			acre	72.00	5,328,000
Native range	1965	1,475,000			acre	1.85	2,729,000
	1964	1,490,000			acre	1.90	2,831,000

FIELD CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Rice	1965	15,790	2.25	35,500	ton	\$ 100.00	\$ 3,550,000
	1964	18,144	2.15	39,000	ton	100.00	3,900,000
Safflower	1965	80,000	1.20	96,000	ton	85.00	8,160,000
	1964	90,000	1.50	135,000	ton	80.00	10,800,000
Screenings							
Alfalfa & cereal	1965			5,200	ton	15.00	78,000
	1964			6,000	ton	15.00	90,000
Silage							
Corn	1965	7,000	16.50	116,000	ton	8.25	957,000
	1964	7,000	16.00	112,000	ton	8.30	930,000
Sorghum	1965	3,000	21.00	63,000	ton	8.25	520,000
	1964	3,500	21.00	73,500	ton	8.30	610,000
Other	1965	500	16.00	8,000	ton	8.25	66,000
	1964	600	16.00	9,600	ton	8.30	79,700
Sorghum grain	1965	21,000	2.25	47,200	ton	46.00	2,171,000
	1964	16,000	2.00	32,000	ton	50.00	1,600,000
Straw <u>a/</u>	1965	45,000	1.00	45,000	ton	8.00	360,000
	1964	51,000	1.00	51,000	ton	8.00	408,000
Sugar beets	1965	20,223	20.50	415,000	ton	12.00	4,970,000
	1964	31,161	20.20	629,000	ton	11.70	7,359,000
Wheat	1965	12,875	2.00	25,800	ton	55.00	1,419,000
	1964	13,998	1.90	26,600	ton	55.00	1,463,000
Misc. <u>b/</u>	1965						185,000
	1964						253,000
Totals	1965	2,317,493					\$164,565,000
	1964	2,349,889					178,077,000

a/ Not included in total acreage figures. Already shown opposite crop involved.

b/ Misc. includes Peanuts, Sugar Cane and Sunflowers.



SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Alfalfa, Cert.	1965	18,962					
All	1964	23,696					
Atlantic	1965	279	277	77,300	lb.	\$ .41	\$ 31,700
	1964	a/					
Buffalo	1965	1,025	561	575,000	lb.	.35	201,000
	1964	a/					
Cherokee	1965	270	598	161,000	lb.	.43	69,200
	1964	a/					
Cody	1965	780	270	211,000	lb.	.34	71,700
	1964	1,416	300	425,000	lb.	.35	149,000
Culver	1965	345	215	74,200	lb.	.42	31,200
	1964	345	241	83,100	lb.	.42	34,900
Lahontan	1965	1,084	410	444,000	lb.	.55	244,000
	1964	1,227	309	379,000	lb.	.50	190,000
Moapa	1965	2,961	706	2,090,000	lb.	.32	669,000
	1964	2,198	647	1,422,000	lb.	.39	555,000
Ranger	1965	9,189	803	7,379,000	lb.	.35	2,583,000
	1964	12,119	709	8,592,000	lb.	.33	2,835,000
Sonora	1965	2,481	754	1,871,000	lb.	.35	655,000
	1964	1,365	596	814,000	lb.	.40	326,000
Vernal	1965	323	461	149,000	lb.	.46	68,500
	1964	None					
Williamsburg	1965	a/					
	1964	475	840	399,000	lb.	.35	134,000
Other g/	1965	225	1,000	225,000	lb.	.48	108,000
	1964	4,551	520	2,367,000	lb.	.42	994,000
Alfalfa, Common	1965	21,653					
All	1964	11,144					
California	1965	1,911	443	847,000	lb.	.37	313,000
Common b/	1964	2,400	512	1,229,000	lb.	.32	393,000
European c/	1965	1,908	470	897,000	lb.	.43	386,000
	1964	1,814	462	838,000	lb.	.44	369,000
Proprietary	1965	17,834	500	8,917,000	lb.	.41	3,656,000
	1964	6,930	483	3,347,000	lb.	.40	1,339,000

SEED CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Barley Cert.	1965	719	2,910	2,092,000	lb.	\$ .0375	\$ 78,400
	1964	731	2,843	2,078,000	lb.	.0380	79,000
Barley, Common	1965	1,737	2,800	4,863,000	lb.	.0360	175,000
	1964	2,418	3,885	9,394,000	lb.	.0365	343,000
Cotton <u>d/</u>	1965	16,567	752	12,458,000	lb.	.081	1,009,000
	1964	16,975	826	14,021,000	lb.	.074	1,038,000
Rice, Cert. <u>d/</u>	1965	<u>e/</u>					
	1964	620	4,300	2,666,000	lb.	.072	192,000
Rice, Common <u>d/</u>	1965	<u>e/</u>					
	1964	328	4,300	1,410,000	lb.	.07	98,700
Safflower, Cert.	1965	412	2,200	906,000	lb.	.095	86,000
	1964	570	2,000	1,140,000	lb.	.075	85,500
Safflower, Common	1965	166	2,400	398,000	lb.	.085	34,000
	1964	None					
Vegetable <u>f/</u>	1965	825			lb.		1,691,000
	1964	872			lb.		1,533,000
Other <u>e/</u>	1965	2,275			lb.		349,000
	1964	<u>6,259</u>			lb.		<u>131,000</u>
Totals	1965	46,749					12,510,000
	1964	45,690					10,819,000

a/ Included under "other" varieties.

b/ Includes Common and Certified Alfalfa varieties not meeting minimum standards.

c/ Altfranken Schmidt, Steinbach, Mega, Milfleuil, Schlesische, Triesdorfer, Orchies, Daehnfedt Isis.

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

e/ Other: Bromegrass, Ryegrass, Melilotus Indica, Common wheat, Common oats, Ryegrass, Burseem clover, Common rice, Certified rice.

f/ Vegetable: Cantaloupe, Carrot, Dill, Lettuce, Kohlrabi, Mustard, Okra, Onion.

g/ Includes miscellaneous varieties such as Teton and Williamsburg.

VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Beans, snap	1965	150	5.0	750	ton	\$ 280	\$ 210,000
	1964	110	5.3	583	ton	260	152,000
Beans, other	1965	40	5.0	200	ton	280	56,000
	1964	20	5.0	100	ton	260	26,000
Cabbage	1965	60	15.0	900	ton	44	39,600
	1964	50	15.0	750	ton	50	37,500
Chinese veg.	1965	210	13.0	2,730	ton	105	287,000
	1964	200	13.0	2,600	ton	105	273,000
Corn, sweet fresh	1965	300	5.2	1,560	ton	143	223,000
	1964	340	3.5	1,190	ton	137	163,000
Cucumbers	1965	200	8.0	1,600	ton	208	333,000
	1964	150	9.0	1,350	ton	185	250,000
Melons							
Cantaloupes	1965	25,000	8.0	200,000	ton	62	12,400,000
	1964	30,400	7.4	225,000	ton	72	16,200,000
Casaba	1965	250	6.6	1,650	ton	90	148,000
	1964	165	6.3	1,040	ton	90	93,600
Cranshaw	1965	390	6.0	2,340	ton	95	222,000
	1964	360	5.2	1,870	ton	100	187,000
Honeydew	1965	950	5.5	5,230	ton	90	471,000
	1964	305	6.2	1,890	ton	90	170,000
Persian	1965	170	3.5	595	ton	95	56,500
	1964	65	4.7	306	ton	95	29,100
Watermelons	1965	1,340	12.0	16,100	ton	30	483,000
	1964	1,200	13.0	15,600	ton	37	577,000
Onions							
Dry	1965	320	13.0	4,160	ton	120	499,000
	1964	300	13.0	3,900	ton	100	390,000
Green	1965	450	10.0	4,500	ton	160	720,000
	1964	460	10.0	4,600	ton	160	736,000

VEGETABLE CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965 (Cont'd)

Crop	Year	Harvested acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peppers							
Bell	1965	355	10.0	3,550	ton	\$ 200	\$ 710,000
	1964	300	7.4	2,220	ton	250	555,000
Chili	1965	50	5.0	250	ton	280	70,000
	1964	75	5.0	375	ton	240	90,000
Radishes	1965	450	5.5	2,480	ton	160	397,000
	1964	500	5.5	2,750	ton	110	302,000
Romaine	1965	250	8.5	2,120	ton	63	134,000
	1964	350	8.0	2,800	ton	75	210,000
Squash							
Summer	1965	200	8.0	1,600	ton	229	366,000
	1964	350	8.0	2,800	ton	183	512,000
Winter	1965	25	10.0	250	ton	45	11,200
	1964	50	10.0	500	ton	45	22,500
Sweet Potatoes	1965	850	6.0	5,100	ton	150	765,000
	1964	825	6.0	4,950	ton	187	926,000
Tomatoes							
Fresh							
Cherry	1965	50	18.0	900	ton	273	246,000
	1964	60	19.5	1,170	ton	274	321,000
Regular	1965	500	21.0	10,500	ton	214	2,247,000
	1964	300	20.0	6,000	ton	204	1,224,000
Processed	1965	4,900	24.0	118,000	ton	35	4,130,000
	1964	2,350	25.0	58,800	ton	25	1,470,000
Turnips	1965	50	12.0	600	ton	55	33,000
	1964	60	12.0	720	ton	55	39,600
Other veg. <u>b/</u>	1965	3,968		40,000	ton		4,059,000
	1964	<u>2,685</u>		32,000	ton		<u>2,338,000</u>
Totals	1965	41,478					\$29,316,000
	1964	42,030					27,294,000

a/ Listed under "Other Vegetables".

b/ "Other Vegetables" include asparagus, beets, broccoli, broccoli (frozen), cantaloupes (frozen), carrots, cauliflower (frozen), cucumbers (processed), eggplant, lettuce, loose lettuce, mustard greens, parsley, peas, potatoes, spinach, spinach (processed), swiss chard, tomatoes (hot house grown).

## FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Almonds	1965	3,058	.64	1,960	ton	\$ 554	\$ 1,086,000
	1964	2,610	.60	1,566	ton	520	814,000
Apricots	1965	463	6.20				
	1964	476	5.10				
Canned	1965			1,900	ton	70	133,000
	1964			1,990	ton	80	159,000
Fresh	1965			65	ton	205	13,300
	1964			90	ton	170	15,300
Frozen	1965 <u>a/</u>						
	1964			205	ton	90	18,400
Bushberries	1965	225	5.75				
	1964	250	4.50				
Fresh	1965			219	ton	576	126,000
	1964			144	ton	456	65,700
Processed	1965			1,075	ton	435	468,000
	1964			981	ton	370	363,000
Figs	1965	12,846					
	1964	12,871					
Dry Pack	1965		.74	3,610	ton	266	960,000
	1964		.90	3,717	ton	267	992,000
Dry Paste	1965		.74	5,750	ton	266	1,530,000
	1964		.90	7,435	ton	267	1,985,000
Fresh	1965		5.00	945	ton	354	335,000
	1964		4.20	930	ton	366	340,000
Grapefruit	1965	20	1.90	38	ton	43	1,630
	1964	20	2.60	52	ton	80	4,160
Grapes, All	1965	167,482					
	1964	164,600					
Raisin varieties	1965	144,451					
	1964	142,228					
Canned	1965		11.00	14,400	ton	50	720,000
	1964		9.90	14,000	ton	58	812,000
Crushed	1965		10.83	472,000	ton	29	13,688,000
	1964		8.50	372,000	ton	41	15,252,000

FRUIT & NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965 (Cont'd)

Crops	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Grapes (cont'd)							
Raisin Varieties							
Dried	1965		1.99	172,000	ton	\$ 331	\$56,932,000
	1964		1.88	156,000	ton	340	53,040,000
Fresh	1965		9.40	114,000	ton	152	17,328,000
	1964		9.70	101,000	ton	166	16,766,000
Table Varieties	1965	12,082					
	1964	12,328					
Crushed	1965		12.83	27,500	ton	25	688,000
	1964		8.00	48,400	ton	38	1,839,000
Fresh	1965		7.19	71,400	ton	160	11,424,000
	1964		5.30	53,600	ton	186	9,970,000
Wine Varieties	1965	10,949					
	1964	10,044					
Crushed	1965		11.35	99,300	ton	34	3,376,000
	1964		9.50	73,600	ton	59	4,342,000
Fresh	1965		10.47	23,100	ton	116	2,680,000
	1964		9.50	23,200	ton	131	3,039,000
Lemons	1965	146	8.30				
	1964	147	7.90				
Fresh	1965			868	ton	210	182,000
	1964			658	ton	209	138,000
Processed	1965			344	ton	50	17,200
	1964			500	ton	55	27,500
Nectarines	1965	4,776	8.70				
	1964	4,659	8.60				
Fresh	1965			40,200	ton	200	8,040,000
	1964			38,600	ton	203	7,836,000
Processed	1965			830	ton	72	59,800
	1964			1,030	ton	83	85,500
Olives	1965	930	2.50				
	1964	912	2.80				

## FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Olives (cont'd)							
Canned	1965			1,780	ton	\$ 230	\$ 415,000
	1964			1,830	ton	140	256,000
Oil	1965			500	ton	90	45,000
	1964			707	ton	70	49,500
Oranges, All	1965	5,944					
	1964	4,844					
Navel	1965	4,952	6.30				
	1964	4,134	8.90				
Fresh	1965			28,000	ton	149	4,172,000
	1964			32,200	ton	170	5,474,000
Processed	1965			2,460	ton	20	49,200
	1964			3,960	ton	23	91,000
Valencia	1965	955	5.40				
	1964	660	8.70				
Fresh	1965			3,840	ton	130	499,000
	1964			4,530	ton	150	680,000
Processed	1965			1,300	ton	29	37,700
	1964			1,110	ton	31	34,400
Miscellaneous	1965	37	9.40	348	ton	80	27,800
	1964	50	8.00	400	ton	31	12,400
Peaches, All	1965	12,001					
	1964	11,911					
Clingstone	1965	2,072	11.00				
	1964	2,052	12.50				
Fresh	1965			60	ton	198	11,900
	1964			40	ton	189	7,560
Processed	1965			24,500	ton	68	1,666,000
	1964			25,600	ton	59	1,510,000
Freestone	1965	9,929	7.80				
	1964	9,859	9.00				
Canned	1965			10,500	ton	40	420,000
	1964			11,000	ton	50	550,000

FRUIT AND NUT CROPS: ACREAGE, PRODUCTION, AND VALUE - 1965 (Cont'd)

Crop	Year	Bearing acreage	Production		Unit	Value	
			Per acre	Total		Per unit	Total
Peaches (cont'd)							
Freestone	1965			1,500	ton	\$ 420	\$ 630,000
Dried	1964			2,000	ton	480	960,000
Fresh	1965			50,000	ton	156	7,800,000
	1964			55,200	ton	183	10,102,000
Frozen	1965			9,500	ton	50	475,000
	1964			8,500	ton	65	552,000
Persimmons	1965	64	5.60	358	ton	341	122,000
	1964	56	4.00	224	ton	324	72,600
Plums	1965	6,748	7.40				
	1964	6,373	6.40				
Canned	1965			500	ton	7	3,500
	1964			480	ton	7	3,360
Fresh	1965			38,200	ton	195	7,449,000
	1964			39,000	ton	222	8,658,000
Frozen	1965			5,000	ton	7	35,000
	1964			1,328	ton	10	13,300
Pomegranates	1965	392	5.00	1,960	ton	211	414,000
	1964	369	6.30	2,320	ton	180	418,000
Strawberries	1965	225	10.18	2,290	ton	522	1,195,000
	1964	200	8.97	1,794	ton	457	820,000
Walnuts	1965	2,559	.46	1,180	ton	380	448,000
	1964	2,332	.45	1,050	ton	400	420,000
Miscellaneous <u>a/</u>	1965	253					305,000
	1964	248					565,000
Totals	1965	218,132					\$146,008,000
	1964	212,878					149,153,000

a/ Miscellaneous includes almond hulls, apples, dried apricots, avocados, cherries, canned figs, sub-standard figs, filberts, dried nectarines, Greek olives, pears, pecans, pistachio nuts, prunes, damaged raisins, tangerines, and black walnuts.



NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1965

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq. ft.	Field acres			Per unit	Total
Bedding Plants							
Pansies, field grown	1965		1.75	6,700	flat	\$1.77	\$11,900
	1964		1.50	5,200	flat	1.80	9,360
Others	1965	None					
	1964	18,000		18,000	flat	2.00	36,000
Bulbs, Rhizomes (Iris) Roots, etc.	1965						
	1964		1.0	1,192	plant	.25	298
Cactus & Succulents	1965	700		700	plant	.33	230
	1964	6,000		7,500	plant	.30	2,250
Christmas Trees	1965			7,785	tree	1.30	10,100
	1964			7,000	tree	1.50	10,500
Citrus							
Grapefruit							
Marsh	1965		.05	450	tree	2.50	1,100
	1964		.03	250	tree	2.50	625
Others	1965		.03	200	tree	2.50	500
	1964		.02	110	tree	2.50	275
Kumquats	1965		.04	300	tree	2.50	750
	1964	None					
Lemons							
Eureka	1965		.75	5,000	tree	2.50	12,500
	1964		.14	1,150	tree	2.50	2,875
Lisbon	1965		.47	3,600	tree	2.50	9,000
	1964	None					
Limes	1965		.04	300	tree	2.50	750
	1964		.03	200	tree	2.50	500
Oranges							
Navel							
Frost Nucellar	1965		15.00	110,747	tree	2.38	264,000
	1964		6.20	49,650	tree	2.50	124,125

## NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1965 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft	Field acres			Per unit	Total
Robertson	1965	None					
	1964		.06	500	tree	\$2.50	\$ 1,250
Washington	1965		2.50	19,087	tree	2.50	48,000
	1964		6.30	50,500	tree	2.50	126,250
Others	1965		2.30	50,000	tree	2.12	106,000
	1964 <sup>a/</sup>						
Valencias							
Campbell	1965		2.55	20,000	tree	2.25	45,000
	1964		.06	500	tree	2.50	1,250
Olinda	1965		8.00	41,952	tree	2.42	102,000
	1964		2.98	23,850	tree	2.50	59,600
Regular	1965		.36	2,700	tree	2.50	6,750
	1964		.19	1,500	tree	2.50	3,750
Satsuma Mandarin	1965	None					
	1964		.69	5,500	tree	2.50	13,750
Seedlings	1965			355,000	plant	.08	28,400
	1964			2,000	plant	.10	200
Tangerines							
Algerian	1965		.09	735	tree	2.50	1,840
	1964 <sup>a/</sup>						
Dancy	1965		.05	400	tree	2.50	1,000
	1964		.06	500	tree	2.50	1,250
Cut Flowers							
Chrysanthemum	1965		.30	450	bunch	1.50	675
	1964		.125	100	bunch	2.00	200
Daffodils	1965		.12	300	bunch	2.00	600
	1964 <sup>a/</sup>						
Gladiolus	1965		.40	834	dozen	1.25	1,040
			.125	175	dozen	1.25	218
Deciduous Fruit Trees							
Figs	1965	None					
	1964		1.0	2,985	tree	.85	2,500

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1965 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
General Ornamentals	1965	23,000	2.00	80,000	plant	\$ .57	\$ 45,600
	1964	150,000		120,000	plant	.60	72,000
Grapevines							
Alicante	1965		.50	13,850	per M	80.00	1,110
	1964	None					
Barberian	1965		.50	132,000	per M	80.00	10,600
	1964	None					
Carignane	1965		4.20	108,000	per M	80.00	8,640
	1964		3.50	29,400	per M	67.50	1,990
Dogridge	1965		.20	3,260	per M	200.00	650
	1964	None					
Emerald Riesling	1965		.30	8,500	per M	80.00	680
	1964	None					
French Columbard	1965		2.00	59,000	per M	80.00	4,720
	1964	None					
Grenache	1965		1.00	24,500	per M	80.00	1,960
	1964		.50	3,450	per M	67.50	233
Muscat	1965		2.00	59,000	per M	80.00	4,720
	1964	None					
Royalty	1965		.50	15,000	per M	80.00	1,200
	1964	None					
Rubired	1965		1.40	34,100	per M	80.00	2,730
	1964		3.00	50,000	per M	70.00	3,500
Salt Creek	1965		.20	3,650	per M	200.00	730
	1964	None					
Thompson	1965		10.00	205,000	per M	80.00	16,400
	1964		18.00	227,000	per M	67.50	15,300
1613	1965		2.00	5,000	per M	80.00	400
	1964	None					
White Malaga	1965		.30	3,000	per M	80.00	240
	1964		.20	950	per M	67.50	64
Zinfandel	1965		.30	5,900	per M	80.00	480
	1964	None					

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1965 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq. ft.	Field acres			Per unit	Total
Others	1965		.70	5,000	per M	\$80.00	\$ 400
	1964	None					
Herbaceous perennials							
Hibiscus, Phlox,	1965	2,500		2,500	plant	.60	1,500
Clematis, etc.	1964	2,500		2,500	plant	.60	1,500
Indoor decorative plants							
Saintpaulia	1965	7,250		12,000	plant	.63	7,560
	1964	7,250		13,000	plant	.50	6,500
Pothos, Peperomia,	1965	4,450		3,250	plant	.50	1,600
Philodendron, etc.	1964	4,300		4,000	plant	.30	1,200
Propagative materials							
Citrus Budwood							
Navel							
Frost Nucelar	1965			53,000	bud	.07	3,700
	1964		.80	39,683	bud	.08	3,180
Valencia	1965			20,895	bud	.07	1,460
	1964		.80	36,563	bud	.08	2,900
Grapefruit	1965	None					
	1964			50	bud	.08	4
Lemon	1965	None					
	1964			356	bud	.08	28
Grape Cuttings							
Emperor & Ribier	1965	None					
	1964			3,610	plant	.07	252
Thompson	1965			10,000	plant	.07	700
	1964			10	plant	.07	1
Others	1965			40,000	plant	.07	2,800
	1964			20	plant	.07	1
Pits (Nemaguard)	1965			253,333	seed	.03	7,500
	1964		2.5	534,830	seed	.03	16,000

NURSERY PRODUCTS: PRODUCTION AREA, SALES, AND VALUE - 1965 (Cont'd)

Item	Year	Production Area		Quantity sold by producers	Unit	Value	
		House sq.ft.	Field acres			Per unit	Total
Trees							
Ornamental	1965		.30	750	tree	\$ 2.75	\$ 2,060
	1964		.20	500	tree	2.00	1,000
Shade	1965		.33	2,500	tree	2.00	5,000
	1964		.33	3,000	tree	2.00	6,000
Others	1965			10,100	tree	.74	7,470
	1964	None					
Vegetable Plants							
Hot Beds							
Tomatoes, Peppers	1965	10,250		190,000	per M	13.00	2,470
	1964	5,500		200,000	per M	4.00	800
Yams	1965		3.10	9,800,000	per M	4.00	39,200
	1964		3.25	5,125,000	per M	4.00	20,500
Others	1965	130		3,000	per M	15.00	45
	1964	None					
Special Group							
Tomatoes, Peppers	1965	66,900		3,512,000	per M	20.00	70,200
	1964	95,000		3,150,000	per M	20.00	63,000
Others	1965	34,000		1,787,500	per M	20.00	35,800
	1964	<u>20,000</u>	<u>          </u>	<u>500,000</u>	per M	20.00	<u>10,000</u>
Totals	1965	149,180	66.63				\$942,000
	1964	308,550	53.59				623,000

a/ Information was not available for 1964.

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1965

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per Unit	Total
Cattle & Calves						
Beef						
Breeding Stock						
Common	1965	4,500		head	\$220.00	\$ 990,000
	1964	4,500		head	200.00	900,000
Registered	1965	1,100		head	400.00	440,000
	1964	1,000		head	375.00	375,000
Feeders	1965	80,000	320,000	cwt.	22.00	7,040,000
	1964	78,000	312,000	cwt.	21.00	6,552,000
Slaughter stock						
From feed lots	1965	243,000	923,000	cwt.	23.50	21,690,000
	1964	195,280	742,000	cwt.	22.00	16,324,000
From other sources	1965	10,000	100,000	cwt.	14.50	1,450,000
	1964	9,000	90,000	cwt.	13.50	1,215,000
Dairy						
Breeding stock	1965	8,000		head	260.00	2,080,000
	1964	9,000		head	250.00	2,250,000
Cull stock	1965	10,500	126,000	cwt.	11.70	1,474,000
	1964	10,000	120,000	cwt.	11.00	1,320,000
Calves	1965	30,000	75,000	cwt.	21.80	1,635,000
	1964	35,000	87,500	cwt.	21.00	1,838,000
Cows	1965	2,500		head	165.00	412,000
	1964	1,800		head	145.00	261,000
Sheep and Lambs						
Slaughter stock						
Lambs	1965	75,000	60,000	cwt.	22.00	1,320,000
	1964	74,000	59,200	cwt.	21.00	1,243,000
Sheep	1965	10,000	14,000	cwt.	5.00	70,000
	1964	10,000	14,000	cwt.	4.60	64,400
Hogs and Pigs						
Breeding stock	1965	60		head	95.00	5,700
	1964	40		head	75.00	3,000
Feeders	1965	500	350	cwt.	24.00	8,400
	1964	1,000	700	cwt.	18.00	12,600
Slaughter stock	1965	7,000	14,350	cwt.	23.00	330,000
	1964	5,500	11,275	cwt.	17.50	197,000

LIVESTOCK AND POULTRY: PRODUCTION AND VALUE - 1965 (Cont'd)

Item	Year	Production		Unit	Value	
		No. of Head	Total Liveweight		Per unit	Total
Horses and mules						
Work stock	1965	a/				
	1964	100		head	\$150.00	\$ 15,000
Recreational stock	1965	1,200		head	200.00	240,000
	1964	1,500		head	195.00	292,000
Broilers & Fryers	1965	8,047,700	28,167,000	lb.	.172	4,845,000
	1964	6,083,500	21,292,000	lb.	.173	3,684,000
Other Chickens	1965	684,000	2,736,000	lb.	.060	164,000
	1964	775,000	3,100,000	lb.	.062	192,000
Chicks	1965	16,394,000		each	.121	1,984,000
	1964	13,848,000		each	.125	1,731,000
Turkeys	1965	2,153,000	38,754,000	lb.	.230	8,913,000
	1964	2,336,400	42,055,000	lb.	.215	9,042,000
Turkey poults	1965	6,450,000		each	.631	4,070,000
	1964	5,178,000		each	.681	3,526,000
Pigeons	1965	10,000	13,000	lb.	.75	9,750
	1964	10,000	13,000	lb.	.75	9,750
Rabbits	1965	2,000	10,000	lb.	.23	2,300
	1964	2,500	12,500	lb.	.23	2,880
Miscellaneous <u>b/</u>	1965	16,000				22,700
	1964	14,000				18,700
Totals	1965					\$58,196,000
	1964					51,068,000

a/ Discontinued

b/ Miscellaneous includes miscellaneous poultry such as pheasants, ducks, geese, etc.

LIVESTOCK AND POULTRY PRODUCTS: PRODUCTION AND VALUE - 1965

Crop	Year	Production	Unit	Value	
				Per Unit	Total
Milk					
Manufacturing	1965	269,000	cwt.	\$ 3.30	\$ 888,000
	1964	264,000	cwt.	3.22	850,000
Market	1965	3,812,000	cwt.	4.14	15,782,000
	1964	3,616,000	cwt.	4.05	14,645,000
Wool	1965	1,089,000	lb.	.45	490,000
	1964	1,415,000	lb.	.49	693,000
Eggs					
Chicken Hatching	1965	4,216,000	dozen	.75	3,162,000
	1964	4,786,000	dozen	.75	3,590,000
Market	1965	12,222,000	dozen	.295	3,605,000
	1964	14,331,000	dozen	.302	4,328,000
Turkey Hatching	1965	6,084,000	each	.235	1,430,000
	1964	7,308,000	each	.235	1,717,000
Miscellaneous	1965	1,500	cwt.		31,300
	1964	1,500	cwt.		31,300
Totals	1965				\$25,388,000
	1964				25,854,000

JANUARY 1 INVENTORIES OF LIVESTOCK & POULTRY (In Number of Head)

<u>Item</u>	<u>January 1, 1965</u>	<u>January 1, 1966</u>
Cattle and Calves		
All	275,000	296,500
Milk cows 2 years and over	48,000	46,500
Cattle and calves on feed	72,000	90,000
Sheep and Lambs		
All	155,000	151,000
Stock sheep	81,000	79,000
Hogs and Pigs	4,500	5,000
Horses and Mules	6,500	6,000
Hens and pullets of laying age	1,323,950	911,000
Turkey breeder hens	104,400	87,000



APIARY PRODUCTS: PRODUCTION AND VALUE - 1965

Item	Year	Production total	Unit	Value	
				Per unit	Total
Honey	1965	1,565,000	lb.	\$ .094	\$ 147,000
	1964	795,000	lb.	.122	97,000
Beeswax	1965	28,000	lb.	.446	12,500
	1964	13,300	lb.	.445	5,920
Pollination <u>a/</u>					
Alfalfa Seed	1965	27,100	colony	5.14	139,000
	1964	15,200	colony	4.05	61,600
Almonds	1965	8,700	colony	2.01	17,500
	1964	8,000	colony	1.94	15,500
Plums	1965	800	colony	2.42	2,000
	1964	4,000	colony	2.04	8,160
Cantaloupes	1965	2,300	colony	4.53	10,500
	1964	3,300	colony	3.67	<u>12,100</u>
Totals	1965				\$328,000
	1964				200,000

a/ This reflects only the bees registered in Fresno County by commercial and semi-commercial beekeepers. Approximately 140,000 colonies were estimated to be in Fresno County at the peak of the pollination season.

APIARY PRODUCTS: PRODUCTION AND VALUE - 1965

The following table reflects gross income from approximately 140,000 colonies of bees located in Fresno County during the peak of the 1965 pollination season. (Shown for interest value only. Not included in crop report values.)

Item	Year	Production total	Unit	Value	
				Per unit	Total
Honey	1965	7,233,000	lb.	\$ .094	\$ 680,000
	1964	5,475,000	lb.	.122	657,000
Beeswax	1965	131,000	lb.	.446	58,500
	1964	91,000	lb.	.445	40,500
Pollination					
Alfalfa Seed	1965	135,000	colony	5.14	694,000
	1964	97,000	colony	4.50	436,000
Almonds	1965	8,700	colony	2.01	17,500
	1964	8,000	colony	1.90	15,200
Plums	1965	800	colony	2.42	2,000
	1964	4,000	colony	2.00	8,000
Cantaloupes	1965	2,300	colony	4.53	10,500
	1964	3,300	colony	3.67	12,100
Totals	1965				\$1,462,000
	1964				1,169,000

Growth of Fresno County Agriculture as Indicated by Gross Value  
of Agricultural Products for the Past Twenty-Six Years

1940 - 39,697,500  
1945 - 142,455,590  
1950 - 285,169,170  
1955 - 325,844,210  
1956 - 330,096,960  
1957 - 359,569,750  
1958 - 370,997,330  
1959 - 390,211,120  
1960 - 388,802,520  
1961 - 385,091,740  
1962 - 413,572,210  
1963 - 423,206,000  
1964 - 443,088,000  
1965 - 438,253,000

SIX YEAR COMPARISON STUDY OF GROSS CROP VALUES IN FRESNO COUNTY

	1960	1961	1962	1963	1964	1965
Field Crops	\$167,971,200	\$153,431,490	\$168,847,000	\$180,576,000	\$178,077,000	\$164,565,000
Seed Crops	13,324,000	12,123,590	9,978,590	9,178,000	10,819,000	12,510,000
Vegetable Crops	24,700,900	25,072,920	21,600,480	24,896,000	27,294,000	29,316,000
Fruit & Nut Crops	105,087,850	114,884,230	125,380,110	131,871,000	149,153,000	146,008,000
Nursery Products	527,990	605,210	702,210	512,000	623,000	942,000
Livestock & Poultry	76,795,570	78,393,480	86,747,190	75,845,000	76,922,000	84,584,000
Apiary	386,610	573,470	316,630	328,000	200,000	328,000
Miscellaneous	8,400	7,350	-----	-----	-----	-----
Grand Total	\$388,802,520	\$385,091,740	\$413,572,210	\$423,206,000	\$443,088,000	\$438,253,000

FRUIT, NUT & VINE ACREAGE SURVEY -- 1965\*

California Crop and Livestock Reporting Service and  
Fresno County Agricultural Commissioner Cooperating

	<u>Bearing Acreage</u>	<u>Non-Bearing Acreage</u>	<u>Total</u>	<u>Net Change</u>
Almonds	3,058	2,252	5,310	+ 334
Apples	121	6	127	+ 14
Apricots	463	10	473	- 8
Avocados	0	39	39	0
Cherries	3	4	7	0
Figs	12,846	116	12,962	- 28
Filberts	1	0	1	0
Grapefruit	20	0	20	0
Grapes, All	167,482	4,648	172,130	+ 1,851
Raisin Grapes	144,451	3,671	148,122	+ 1,619
Table Grapes	12,082	309	12,391	- 221
Wine Grapes	10,949	668	11,617	+ 453
Lemons	146	31	177	+ 12
Limes	3	0	3	0
Nectarines	4,776	160	4,936	0
Olives	930	25	955	0
Oranges, All	5,986	6,113	12,099	+ 1,034
Navel	4,952	4,751	9,703	+ 756
Valencia	955	1,267	2,222	+ 291
Others	79	32	111	- 13
Peaches, All	12,001	702	12,703	- 14
Cling	2,072	211	2,283	+ 63
Free	9,929	491	10,420	- 77
Pears	19	0	19	0
Pecans	47	31	78	0
Persimmons	64	6	70	0
Pistachio Nuts	15	0	15	0
Plums	6,748	845	7,593	+ 15
Pomegranates	392	12	404	0
Prunes	2	250	252	+ 59
Quince	0	11	11	+ 9
Walnuts, All	2,640	962	3,602	+ 107
Black	81	148	229	+ 50
English	2,559	814	3,373	+ 57
Totals	217,763	16,223	233,986	+ 3,363

\*These statistics represent only the planting and pull-out changes up to June 1, 1965. The 1965-66 planting season will be reflected in the 1966 Annual Crop Report. Persons desiring information as to specific varieties may call the Agricultural Commissioner's Office.