



Department of Agriculture

Cosmo C. Insalaco
Agricultural Commissioner
Sealer of Weights & Measures

Jack C. Parnell, Director
California Department of Food and Agriculture

The Honorable Board of Supervisors
County of Fresno

A. Vernon Conrad, Chairperson
Judy Andreen Deran Koligian
Sharon Levy Doug Vagim

Daniel R. Fitzpatrick
County Administrative Officer

I am pleased to submit the 1988 Fresno County Agricultural Crop and Livestock Report. This annual report presents statistical information pertaining to the acreage, yield, and value of Fresno County agricultural products.

The total gross production value of Fresno County agricultural products in 1988 was \$2,437,959,100. This new record high is an increase of 7.68% from the 1987 return.

It must be emphasized that the data presented in this report reflect gross values only, and are not indicative of net income or loss to producers.

The continued 1988 drought conditions experienced by Fresno County agriculture resulted in varying degrees of economic impact.

Agriculture continues as the major industry in Fresno County and is a driving force in the county's economy. Every dollar received by Fresno County producers results in three and one-half dollars economic benefit to the total economy.

I sincerely appreciate the professional and dedicated work performed by Deputy Agricultural Commissioner/Sealer Robert B. Voss, Supervising Agricultural/Standards Specialist, L. V. Hawley, Agricultural/Standards Specialist Thomas M. Schackmann as well as the staff of the Agricultural Commissioner/Sealers Office for the preparation of this report.

My thanks to the many individuals, related agencies and members of the agricultural industry for their contributions in the compilation of this report.

Respectfully submitted,

A handwritten signature in cursive script that reads "Cosmo C. Insalaco".

Cosmo G. Insalaco
Agricultural Commissioner/Sealer

'And there grow tall trees blossoming, pear trees and pomegranates, and apple trees with bright fruit, and sweet figs, and olives in their bloom. !

*--Homer
"The Odyssey"
(Translated by Butcher & Lang)*

Hope rules a land forever green.

--Wordsworth

Burn down your cities and they will arise again as if by magic. But destroy our farms and the grass will grow on the streets of every city in the land.

--William Jennings Bryan

Cover.

Eastern Fresno County plum orchards in bloom -- Peaches and plums ready for harvest.

*Photographs by: Richard Kassabian
Supervising Agricultural/Standards Specialist*

FRESNO COUNTY'S 10 LEADING CROPS

<u>Crop</u>	<u>1988</u> <u>Rank</u>	<u>1988</u> <u>Dollar Value</u>	<u>1987</u> <u>Rank</u>	<u>1978</u> <u>Rank</u>	<u>1968</u> <u>Rank</u>
Grapes	1	442,826,000	2	1	1
Cotton	2	414,970,000	1	2	2
Tomatoes	3	157,770,000	4	5	6
Cattle & Calves	4	140,263,000	3	3	3
Milk	5	120,670,000	5	4	5
Plums	6	95,360,000	13	6	9
Nectarines	7	91,045,000	9	9	14
Turkeys	8	77,073,000	10	11	13
Oranges	9	73,063,000	7	8	19
Peaches	10	70,822,000	8	13	10

1988 Retrospect Highlights

All Fresno County producers were affected by the drought conditions in 1988 to some degree. As the second consecutive year of the most recent dry cycle, 1988 brought increasing concerns as below normal rainfall and significantly reduced snow pack resulted in depleted rangeland grasses, increased costs of pumped well water, and accelerated overdraft of underground aquifers.

FIELD CROPS: Cotton was the number two crop in 1988 decreasing in gross value 8.52% to \$414,970,000. Reduced yield and lower lint value were major contributing factors to the decline of \$38,670,000. Dry beans increased in value to \$11,024,000. Acreage and per acre yield were down 5.56% and 3.09% respectively, but value per ton was up 42.95%. Sugar beet returns were down 29.33% to \$23,759,000; acreage and yield dropped 17.47% and 17.20% respectively. The 1988 gross value for all field crops was \$567,631,000 and is a 5.92% decrease from 1987 returns.

SEED CROPS: All wheat seed acreage increased 108.86% from 7,900 acres to 16,500 acres. Yield was up 140.51% and value increased 239.84% or from \$2,018,000 in 1987 to \$6,858,000 in 1988. All alfalfa seed was down in acres, yield and value. Vegetable seed acreage increased 60.68% with returns up 135.12%. Seed crops increased in value by 19.24% in 1988.

VEGETABLE CROPS: Cantaloupe increased in value 19.82% to \$69,090,000 which is a gain of \$11,430,000 over 1987. Yield was down 2.9 tons per acre to 6.81 from 9.71 tons per acre in 1987. Acreage was down from 38,300 to 34,500 acres in 1988. Head lettuce climbed to 18,000 acres, a 1.07% increase over 1987. Yield was up 1.19% to 264,000 tons. Value dropped nearly 30% to \$57,809,000 due mostly to a 44.40% reduction in price for fall lettuce. Garlic acreage dropped 7.88% to 11,700 acres. Yield was up 4.62% to 9.06 tons per acre, but returns were down nearly 30% due to a \$92.00 per ton reduction in price. Broccoli returns and acreage were down, but yields were up. Acreage dropped to 7,500 from 9,700 or a 2,200 acre decline. Returns dropped 12.67% or \$3,948,000 to \$27,216,000. Carrot acreage was down by 28% over 1987 from 5,000 to 3,600 or 1,400 acres. Yields and returns were up. Yields were up slightly over 27% to over 30.5 tons per acre. Returns jumped from \$103.00 to \$174.00 per ton or 68.93%. This \$6,780,000 increase reflected a total of \$19,140,000. Cauliflower increased in yield 7.36% to 6.13 tons per acre. Acreage was down 900 acres to 1,500 from 2,400 acres in 1987. Returns were down in excess of 16% or \$1,344,000 to 6,780,000 from 8,124,000 in 1987. Vegetable crops reflected an overall increase in value of 3.56% or \$15,408,000 to \$447,922,000. Acreage fell 3.21%.

FRUIT AND NUT CROPS: Grapes, the number one crop in 1988 increased in gross returns 12.44% to \$442,826,000. This is a \$48,993,000 increase from \$393,833,000 in 1987. Raisin production was up 6.60% or 19,000 tons to 307,000 total tons. Value increased 17.59% to \$272,616,000 from \$231,840,000 in 1987. This is an increase of \$40,776,000 due partially to a 10.31% or \$83.00 per ton rise in per ton price. Table grapes climbed in acreage 4.26%, production by 69.26%, and value 44.18% for totals of 9,206 acres, 85,800 tons and \$46,693,000. Wine grapes acreage was down 804 acres or 2.25% to 34,867 acres. Production was up 61,900 tons or 21.86% to

345,100 tons from 283,200 tons in 1987. Value was also up by 36.67% or \$15,425,000 from 42,065,000 to 57,490,000 tons in 1988. Nectarines climbed in all areas: acreage was up 509 acres, yield climbed 4.80% to 10.26 tons per acre, and value jumped \$27,445,000 or 43.15%. Plums increased in value 77.04% or \$41,495,000 to \$95,360,000. Acreage also increased 4.61% or 782 acres to a total of 17,740. Pistachios were up in acreage by 79.77% or 548 acres to 1,235. Yield climbed 128.57% or an increase of .35 to .80 tons per acre. This increase of .45 tons per acre reflected a value rise of 199.54% or \$1,744,000 to \$2,618,000. Fruit and nut crops overall increased 17.49% in value to \$877,319,100 or an increase of \$130,617,100.

NURSERY: Increased in value by 2.52% or \$321,000 to total of \$13,050,000 in 1988. Returns increased in Christmas trees, herbaceous ornamentals and other types of nursery crops. Ornamental tree and shrubs, including bare root fruit and nut trees and vegetable plants, dropped in revenue.

LIVESTOCK AND POULTRY: Cattle and calves climbed 12.70% from \$124,453,000 in 1987 to \$140,263,000 in 1988. This \$15,810,000 increase was due mostly to higher value per pound returns. Turkey value was up 24.23% or \$15,033,000 to \$77,073,000. Numbers of head were down by 4.66%.

LIVESTOCK AND POULTRY PRODUCTS: Milk hundredweight increased 4.55% from 10,813,400 hundredweight in 1987 to 11,304,900 in 1988 or 491,500 hundredweight. Total milk value was actually less by .68% or \$831,000 to \$120,670,000 from the 1987 figure of \$121,501,000. This drop in value was due to lower prices per hundredweight. Wool production climbed 18.75% over 1987 to 760,000 pounds. This was a 120,000 pound gain over 1987's 640,000 pounds. Wool value rose nearly 60% in 1988 to \$950,000 or an increase of \$355,000 over \$595,000 in 1987. This significant gain was due mostly to an 34.41% rise in returns per pound. Rangeland was particularly impacted by the continuing drought condition in 1988 and the significant reduction in native grass availability led directly to the development and implementation of the Federal Supplemental Feed Program which ran from March 1, 1988 to February 28, 1989. Overall value of livestock and poultry products was up .59% or \$818,000 to \$138,404,000 total for 1988.

APIARY AND APIARY PRODUCTS: Honey value dropped 36.83% or \$337,000 to \$578,000. Honey production fell 34.60% to 1,032,000 pounds. This reduction equates to 546,000 pounds. Overall value decreased 19.53% or \$1,371,500 to \$5,649,500 from \$7,021,100 in 1987.

INDUSTRIAL CROPS: Timber production decreased 16.93% to 58,622,000 board feet. This is down 11,949,000 board feet from the 70,571,000 in 1987. Value was up by \$143,000 or 3.92% from \$3,647,000 in 1987 to \$3,790,000 in 1988.



FIELD CROPS



CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley	1988	27,000	2.30	62,100	ton	\$ 96.00	\$ 5,962,000
	1987	42,000	1.57	65,900	ton	\$ 88.00	\$ 5,799,000
Beans, dry	1988	17,000	.94	16,000	ton	689.00	11,024,000
	1987	18,000	.97	17,500	ton	482.00	8,435,000
Corn							
Grain	1988	6,800	4.00	27,200	ton	103.00	2,802,000
	1987	8,100	4.40	35,600	ton	83.00	2,955,000
Silage	1988	12,200	24.00	293,000	ton	18.00 ^g	5,274,000
	1987	11,900	23.00	274,000	ton	15.00 ^g	4,110,000
Cotton							
Lint	1988	427,000	1,200 ^a	1,017,000 ^b	bale	.68 ^c	345,780,000
	1987	382,000	1,480 ^a	1,122,000 ^b	bale	.72 ^c	403,920,000
Seed	1988			407,000	ton	170.00	69,190,000
	1987			452,000	ton	110.00	49,720,000
Hay Alfalfa ^d	1988	80,000	9.00	720,000	ton	90.00	64,800,000
	1987	80,000	8.80	704,000	ton	87.00	61,248,000
Other ^e	1988	26,100	1.12	29,200	ton	78.00	2,278,000
	1987	30,600	1.14	34,900	ton	73.00	2,548,000
Pasture and Range							
Alfalfa Stubble ^f	1988	70,000			acre	13.00	910,000
	1987	70,000			acre	13.00	910,000
Irrigated Pasture	1988	50,000			acre	110.00	5,500,000
	1987	50,000			acre	110.00	5,500,000
Grazing Range	1988	900,000			acre	7.00	6,300,000
	1987	900,000			acre	7.00	6,300,000
Rice	1988	7,000	3.00	21,000	ton	180.00	3,780,000
	1987	6,300	2.48	15,600	ton	160.00	2,496,000

FIELD CROPS: (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Safflower	1988	5,000	1.85	9,250	ton	\$255.00	\$2,359,000
	1987	6,500	1.80	11,700	ton	\$200.00	\$2,340,000
Sugar Beets	1988	27,400	26.09	715,000	ton	33.23	23,759,000
	1987	33,200	31.51	1,046,000	ton	32.14	33,618,000
Wheat	1988	43,000	2.77	119,000	ton	116.00	13,804,000
	1987	45,000	2.18	98,100	ton	98.00	9,614,000
Other ^h	1988	14,300					4,109,000
	1987	<u>15,900</u>					<u>3,828,000</u>
Total	1988	1,642,800					\$567,631,000
	1987	1,629,500					\$603,341,000

a Pounds of lint per acre

b 504 pounds net weight

c Price per pound, 500 pound bales

d Includes bales, cubes, and green chop

e Includes hay and green chop from barley, oats, seed alfalfa, and wheat

f Not included in total acreage figures; includes acreage from alfalfa hay and seed alfalfa

g Field price

h Includes oats, oat silage, screenings, sorghum grain, straw, winter forage, and wheat silage



SEED CROPS



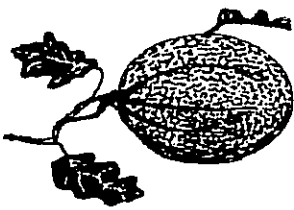
CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa	1988	30,500	640	19,520,000	1b.	\$1.20	\$23,424,000
Certified	1987	35,000	620	21,700,000	1b.	\$1.12	\$24,304,000
Alfalfa	1988	14,000	600	8,400,000	1b.	1.12	9,408,000
Non-Certified	1987	14,000	580	8,120,000	1b.	1.08	8,770,000
Total All	1988	44,500		27,920,000	1b.		32,832,000
Alfalfa Seed	1987	49,000		29,820,000	1b.		33,074,000
Barley	1988	1,400	4,990	6,986,000	1b.	.06	419,000
Certified	1987	1,650	4,450	7,343,000	1b.	.05	367,000
Barley	1988	1,200	3,300	3,960,000	1b.	.05	198,000
Non-Certified	1987	1,200	3,170	3,804,000	1b.	.04	152,000
Cotton ^a	1988	7,490		9,725,000	1b.	.14	1,413,000 ^b
	1987	3,030		5,196,000	1b.	.10	546,000 ^b
Vegetable ^c	1988	1,880					3,026,000
	1987	1,170					1,287,000
Wheat	1988	15,500	6,000	93,000,000	1b.	.07	6,510,000
Certified	1987	7,200	5,200	37,440,000	1b.	.05	1,872,000
Wheat	1988	1,000	5,800	5,800,000	1b.	.06	348,000
Non-certified	1987	700	5,200	3,640,000	1b.	.04	146,000
Other ^d	1988	1,700					470,000
	1987	<u>1,250</u>					<u>477,000</u>
Total	1988	67,180					\$45,216,000
	1987	62,170					\$37,921,000

a Not included in total acreage for "Seed Crops"

b Includes \$30 per acre approval on 1,725 acres

c Broccoli, cabbage, celery, lettuce, onion, pepper and tomato

d Certified and non-certified blackeye peas, certified clover, certified and non-certified corn, registered fescue, oats, certified and non-certified sudan grass and lima beans



VEGETABLE CROPS



CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Broccoli ^a	1988	7,500	9.60	72,000	ton	\$378.00	\$27,216,000
	1987	9,700	9.51	92,200	ton	\$338.00	\$31,164,000
Carrots ^a	1988	3,600	30.56	110,000	ton	174.00	19,140,000
	1987	5,000	24.00	120,000	ton	103.00	12,360,000
Cauliflower ^a	1988	1,500	6.13	9,200	ton	737.00	6,780,000
	1987	2,400	5.71	13,700	ton	593.00	8,124,000
Chinese Vegetables ^b	1988	850	9.51	8,080	ton	380.00	3,070,000
	1987	660	12.39	8,180	ton	290.00	2,372,000
Eggplant	1988	350	12.51	4,380	ton	420.00	1,840,000
	1987	340	13.91	4,730	ton	407.00	1,925,000
Garlic ^a	1988	11,700	9.06	106,000	ton	245.00	25,970,000
	1987	12,700	8.66	110,000	ton	337.00	37,070,000
Head Lettuce							
Spring	1988	8,800	13.80				
	1987	8,870	14.70				
Naked				75,600	ton		
Wrapped				32,600	ton		
Bulk				13,200	ton		
Season Total	1988	8,800	13.80	121,400	ton	179.00	21,731,000
	1987	8,870	14.70	130,400	ton	173.00	22,559,000
Fall	1988	9,200	15.50				
	1987	8,940	14.60				
Naked				84,100	ton		
Wrapped				43,000	ton		
Bulk				15,500	ton		
Season Total	1988	9,200	15.50	142,600	ton	253.00	36,078,000
	1987	<u>8,940</u>	14.60	<u>130,500</u>	ton	455.00	<u>59,378,000</u>
Head Lettuce Totals	1988	18,000		264,000			\$57,809,000
	1987	17,810		260,900			\$81,937,000

VEGETABLES CROPS: (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Melons							
Cantaloupe	1988	34,500	6.81	235,000	ton	\$294.00	\$69,090,000
	1987	38,300	9.71	372,000	ton	\$155.00	\$57,660,000
Honeydew	1988	2,500	9.00	22,500	ton	284.00	6,390,000
	1987	2,200	8.50	18,700	ton	265.00	4,956,000
Mixed Melons ^d	1988	900	8.08	7,270	ton	400.00	2,908,000
	1987	857	4.80	4,110	ton	284.00	1,167,000
Watermelon	1988	260	16.62	4,320	ton	194.00	838,000
	1987	690	7.00	4,830	ton	120.00	580,000
Onions							
Dry							
Fresh	1988	1,930	18.08	34,900	ton	199.00	6,945,000
	1987	1,710	16.20	27,700	ton	297.00	8,227,000
Processed	1988	11,900	18.29	217,600	ton	68.00	14,794,000
	1987	11,200	18.30	205,000	ton	67.00	13,735,000
Bell Peppers ^a	1988	3,200	12.44	39,800	ton	400.00	15,920,000
	1987	2,380	9.29	22,100	ton	339.00	7,492,000
Squash ^e	1988	928	6.36	5,900	ton	408.00	2,407,000
	1987	873	5.43	4,740	ton	388.00	1,839,000
Sweet Potatoes/ Yams	1988	1,240	6.89	8,540	ton	373.00	3,185,000
	1987	999	8.80	8,790	ton	362.00	3,182,000
Tomatoes							
Fresh							
Cherry	1988	650	12.00	7,800	ton	670.00	5,226,000
	1987	520	8.00	4,160	ton	535.00	2,226,000
Standard	1988	5,600	18.57	104,000	ton	474.00	49,296,000
	1987	5,060	17.79	90,000	ton	326.00	29,340,000
Processed	1988	64,800	33.19	2,151,000	ton	48.00	103,248,000
	1987	64,900	33.41	2,168,000	ton	47.40	102,763,000

VEGETABLE CROPS: (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Other	1988	13,200				\$	25,850,000
Vegetables ^c	1987	<u>12,950</u>				\$	<u>24,534,000</u>
Total	1988	185,108				\$	447,922,000
	1987	191,249				\$	432,514,000

a Includes fresh and processed

b Includes bittermelon, bok choy, daikon, dunqua, gai choy, gai lon, gobo, leek, lemon grass, lo bok, long bean, moqua, napa, opo, sinqua, sugar peas and taro

c Includes asparagus, bean sprouts, beets, cabbage, celery, chile peppers, cilantro, collards, cornnuts, cucumbers, endive, escarole, green onions, Japanese eggplant, kale, kohlrabi, leaf lettuce, lima beans, mushrooms, mustard, okra, parsley, peas, pumpkins, radishes, romaine, Swiss chard, sugar cane, sunchoke and turnips

d Casaba, Crenshaw, Juan Canary, Mayan, Persian, Santa Claus, Sharlyn

e Includes soft and hard types



FRUIT & NUT CROPS



CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Almonds	1988	30,667	.94	28,800	ton	\$2,000.00	\$57,600,000
	1987	30,648	.96	29,400	ton	\$2,000.00	\$58,800,000
Almond Hulls	1988			57,600	ton	50.00	2,880,000
	1987			58,800	ton	40.00	2,352,000
Apricots	1988	539	6.47	3,490	ton	690.00	2,408,000
	1987	485	6.85	3,320	ton	990.00	3,287,000
Citrus							
Lemons	1988	1,019	11.48				
	1987	1,019	14.12				
Fresh	1988			8,420	ton	620.00	5,220,000
	1987			8,630	ton	554.00	4,781,000
Processed	1988			3,280	ton	70.00	230,000
	1987			5,760	ton	58.00	334,000
Oranges							
Navel	1988	15,456	10.44				
	1987	15,442	11.85				
Fresh	1988			126,000	ton	420.00	52,920,000
	1987			141,000	ton	380.00	53,580,000
Processed	1988			35,300	ton	75.00	2,648,000
	1987			42,000	ton	40.00	1,680,000
Valencia	1988	3,491	11.45				
	1987	3,531	13.71				
Fresh	1988			32,500	ton	513.00	16,673,000
	1987			36,300	ton	460.00	16,698,000
Processed	1988			7,470	ton	110.00	822,000
	1987			12,100	ton	60.00	726,000
Other ^a	1988	600	7.50				
	1987	595	11.46				
Fresh	1988			3,690	ton	575.00	2,122,000
	1987			5,400	ton	428.00	2,311,000

FRUIT AND NUT CROPS: (continued)

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Other ^a (continued)							
Processed	1988			810	ton	\$ 68.00	\$ 55,100
	1987			1,420	ton	\$ 50.00	\$ 71,000
Figs, dried	1988	3,250	1.08	3,500	ton	1,150.00	4,025,000
	1987	3,394	.99	3,360	ton	1,110.00	3,730,000
Grapes							
Raisin Varieties	1988	164,369	10.93				
	1987	166,131	9.01				
Canned	1988			8,800	ton	200.00	1,760,000
	1987			10,800	ton	190.00	2,052,000
Crushed	1988			180,000	ton	115.00	20,731,000
	1987			244,000	ton	123.95	30,244,000
Dried	1988			307,000	ton	888.00 ^c	272,616,000 ^c
	1987			288,000	ton	805.00 ^c	231,840,000 ^c
Fresh	1988			65,000	ton	630.00	40,950,000
	1987			74,400	ton	697.00	51,857,000
Juice	1988			7,540	ton	343.00	2,586,000
	1987			9,470	ton	358.00	3,390,000
Table Varieties	1988	9,206	9.32				
	1987	8,830	5.74				
Crushed	1988			24,900	ton	102.00	2,540,000
	1987			6,690	ton	112.00	749,000
Fresh	1988			60,900	ton	725.00	44,153,000
	1987			44,000	ton	719.00	31,636,000
Wine Varieties	1988	34,867	9.90				
	1987	35,671	7.94				
Crushed	1988			330,000	ton	156.00	51,480,000
	1987			269,000	ton	136.00	36,584,000
Juice	1988			15,100	ton	398.00	6,010,000
	1987			14,200	ton	386.00	5,481,000
Grapes Total	1988	208,442					442,826,000
	1987	210,632					393,833,000

FRUIT AND NUT CROPS: (continued)

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Kiwi	1988	321	4.33	1,390	ton	\$1,730.00	\$ 2,405,000
	1987	316	3.83	1,210	ton	\$1,620.00	\$ 1,960,000
Nectarines	1988	12,764	10.26	131,000	ton	695.00	91,045,000
	1987	12,255	9.79	120,000	ton	530.00	63,600,000
Olives, canned	1988	1,151	2.34	2,690	ton	593.00	1,595,000
	1987	1,138	2.15	2,450	ton	507.00	1,242,000
Peaches							
Clingstone	1988	1,432	16.27	23,300	ton	214.00	4,986,000
	1987	1,411	18.00	25,400	ton	193.00	4,902,000
Freestone	1988	11,614	9.39	109,000	ton	604.00	65,836,000
	1987	10,992	10.01	110,000	ton	547.00	60,170,000
Peaches Total	1988	13,046					70,822,000
	1987	12,403					65,072,000
Pears and Apple Pears	1988	245	7.18	1,760	ton	1,040.00	1,830,000
	1987	228	7.85	1,790	ton	914.00	1,636,000
Pecans	1988	368	.90	331	ton	1,600.00	530,000
	1987	365	.60	219	ton	1,800.00	394,000
Persimmons	1988	259	5.41	1,400	ton	900.00	1,260,000
	1987	181	3.12	565	ton	1,120.00	633,000
Pistachios	1988	1,235	.80	988	ton	2,650.00	2,618,000
	1987	687	.35	240	ton	3,640.00	874,000
Plums	1988	17,740	7.22	128,000	ton	745.00	95,360,000
	1987	16,958	7.84	133,000	ton	405.00	53,865,000
Pomegranates	1988	911	5.58	5,080	ton	562.00	2,855,000
	1987	915	4.20	3,840	ton	808.00	3,103,000
Prunes, dried	1988	1,129	2.35	2,650	ton	700.00	1,855,000
	1987	1,090	2.34	2,550	ton	650.00	1,658,000
Strawberries ^d	1988	200	13.80	2,760	ton	643.00	1,775,000
	1987	181	17.02	3,080	ton	680.00	2,094,000
Walnuts	1988	2,866	1.22	3,500	ton	880.00	3,080,000
	1987	3,101	.91	2,820	ton	950.00	2,679,000

FRUIT AND NUT CROPS: (continued)

CROP	YEAR	BEARING ACREAGE	PRODUCTION			VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Other ^b	1988	1,250					\$ 9,860,000
	1987	<u>1,023</u>					\$ <u>5,709,000</u>
Total	1988	317,231					\$877,319,100
	1987	316,587					\$746,702,000

a Includes mandarin/tangerines and tangelos

b Includes apples, processed apricots, avocados, boysenberries, fresh figs, substandard figs, processed nectarines, ollalieberries, olive oil, fresh olives, processed peaches, processed pomegranates and quince

c Revised procedure that reflects a combined value of free tonnage, R.I.D. Program tonnage and industry projected value for reserve tonnage

d Includes fresh and processed



NURSERY PRODUCTS



ITEM	YEAR	ACRES	QUANTITY	UNIT	VALUE
Christmas Trees	1988	129	17,800	trees	\$ 372,000
	1987	110	16,500	trees	\$ 312,000
Herbaceous Ornamentals ^a	1988	16	131,000	b	642,000
	1987	16	172,000	b	384,000
Ornamental Trees and Shrubs	1988	64	1,806,000	plants	5,641,000
	1987	64	1,629,000	plants	6,197,000
Other Nursery crops ^c	1988	259	63,664,000	plants	7,150,000
	1987	<u>279</u>	67,126,000	plants	<u>5,836,000</u>
Total	1988	468			\$13,050,000
	1987	469			\$12,729,000

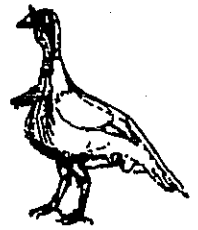
a Includes cut flowers, cut greens, potted plants, bedding plants and herbaceous perennials

b Includes flats, dozens, cans, and single plants

c Includes bareroot fruit & nut trees, grape rootings and vegetable plants



LIVESTOCK & POULTRY



ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVELWEIGHT		PER UNIT	TOTAL
Cattle and Calves						
Beef						
Breeding Stock						
Common	1988	1,400		head	\$ 650.00	\$ 910,000
	1987	1,640		head	\$ 550.00	\$ 902,000
Registered	1988	350		head	1,150.00	403,000
	1987	410		head	1,000.00	410,000
Feeders	1988	150,000	300,000	cwt.	74.96	22,488,000
	1987	130,000	260,000	cwt.	68.50	17,810,000
Calves	1988	24,600	113,000	cwt.	81.70	9,232,000
	1987	33,300	153,000	cwt.	73.60	11,261,000
Slaughter Stock						
From Feed Lots	1988	249,000	1,170,000 ^a	cwt.	70.39	82,356,000
	1987	221,000	1,039,000 ^a	cwt.	65.00	67,535,000
From other sources	1988	5,250	46,200	cwt.	43.16	1,994,000
	1987	6,100	53,700	cwt.	39.40	2,116,000
Dairy						
Breeding Stock	1988	6,930		head	1,200.00	8,316,000
	1987	7,400*		head	1,110.00	8,214,000*
Cull Stock	1988	15,900	207,000	cwt.	42.75	8,849,000
	1987	18,600*	242,000*	cwt.	44.00	10,648,000*
Calves	1988	12,700	38,100	cwt.	150.00	5,715,000
	1987	14,900*	44,700*	cwt.	104.00	4,649,000*
Dairy Buy-out Program	1987	2,511	27,500	cwt.	33.02	908,000
Hogs and Pigs						
Feeder Pigs and Slaughter Stock	1988	10,500	23,800	cwt.	47.98	1,142,000
	1987	8,700	17,600	cwt.	58.18	1,024,000

LIVESTOCK & POULTRY: (continued)

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Horses and Mules						
Recreational and Working Stock	1988	1,500		head	\$650.00	\$ 975,000
	1987	2,000		head	\$500.00	\$ 1,000,000
Sheep and Lambs						
Slaughter Stock						
Lambs	1988	74,400	70,700	cwt.	70.35	4,974,000
	1987	62,600*	59,500*	cwt.	74.91*	4,457,000*
Sheep	1988	19,000	26,600	cwt.	23.53	626,000
	1987	16,000*	22,400*	cwt.	25.09*	562,000*
Turkeys	1988	8,962,000	192,683,000	1b.	.40	77,073,000
	1987	9,400,000	188,000,000	1b.	.33	62,040,000
Other ^b	1988					113,925,000
	1987					89,047,000
Total	1988					\$338,978,000
	1987					\$282,583,000*

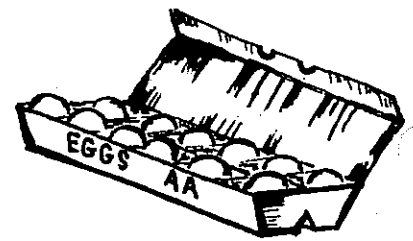
a Net feedlot gain

b Includes chickens, fish, game birds and squab

* Revised



LIVESTOCK & POULTRY PRODUCTS



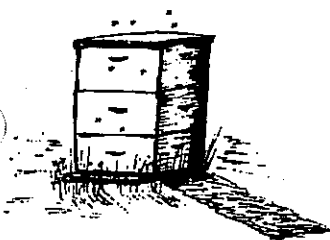
CROP	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
Manure	1988	517,000	ton	\$ 5.64	\$ 2,918,000
	1987	513,000	ton	\$ 5.00	\$ 2,565,000
Milk					
Manufacturing	1988	83,900	cwt.	9.89	830,000
	1987	54,400*	cwt.	10.48*	570,000*
Market	1988	11,221,000	cwt.	10.68	119,840,000
	1987	10,759,000*	cwt.	11.24	120,931,000*
Wool	1988	760,000	lb.	1.25	950,000
	1987	640,000*	lb.	.93	595,000*
Eggs					
Chicken & Turkey ^a	1988	6,280,000	dozen	2.208	13,866,000
	1987	7,428,000	dozen	1.740	12,925,000
Total	1988				\$138,404,000
	1987				\$137,586,000*

a Includes market eggs and hatching eggs

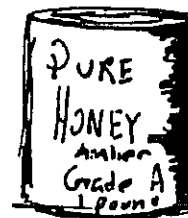
* Revised

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

<u>ITEM</u>	<u>January 1, 1989</u>	<u>January 1, 1988</u>
Cattle and Calves		
All	344,000	358,000
Dairy and Beef Cows	89,600	88,000
Cattle on Feed	96,200	101,000
Stock Sheep and Lambs	97,000	95,000
Goats	1,000	900
Hogs and Pigs	7,700	4,600
Horses	17,500	17,500
Poultry	2,195,000	1,960,000



APIARY PRODUCTS and POLLINATION SERVICES



ITEM	YEAR	PRODUCTION TOTAL	UNIT	VALUE	
				PER UNIT	TOTAL
Apiary Product^a					
Honey	1988	1,032,000	lb.	\$.56	\$ 578,000
	1987	1,578,000	lb.	\$.58	\$ 915,000
Beeswax	1988	37,300	lb.	1.06	39,500
	1987	24,500	lb.	.86	21,000
Pollination^b					
Seed Crops					
Alfalfa	1988	107,000	colony	18.40	1,969,000
	1987	147,000	colony	18.20	2,675,000
Tree Fruit ^c	1988	96,000	colony	27.30	2,621,000
	1987	111,000	colony	24.10	2,675,000
Cantaloupe	1988	29,100	colony	15.19	442,000
	1987	49,000	colony	15.00	<u>735,000</u>
Total	1988				\$5,649,500
	1987				\$7,021,000

- a Reflects bee colonies registered in Fresno County by commercial and semi-commercial beekeepers: 1988 - 37,297 colonies; 1987 - 38,951 colonies
- b Reflects value of pollination by all bee colonies located in Fresno County for pollination services during 1988. Estimated total colonies: 153,599
- c Almonds and plums



INDUSTRIAL CROPS



CROP	YEAR	PRODUCTION	UNIT (a)	VALUE (b)
Timber	1988	58,622,000	Board feet	\$3,790,000
	1987	70,571,000	Board feet	\$3,647,000

a Board feet is the quantity of timber cut and sealed
b Value of timber immediately prior to cutting

GROWTH OF FRESNO COUNTY AGRICULTURE AS INDICATED BY GROSS PRODUCTION VALUE
OF AGRICULTURAL PRODUCTS OVER A TWENTY-ONE YEAR SPAN

1968 -	464,360,330*	1979 -	1,719,235,500
1969 -	458,014,000	1980 -	2,002,448,900*
1970 -	474,706,000*	1981 -	1,905,289,240*
1971 -	507,930,000	1982 -	1,855,733,500
1972 -	559,307,000*	1983 -	1,727,319,500
1973 -	828,682,000*	1984 -	1,921,020,840*
1974 -	967,350,000	1985 -	2,054,060,400*
1975 -	1,026,356,000*	1986 -	2,125,721,200*
1976 -	1,178,373,000*	1987 -	2,264,044,000*
1977 -	1,110,424,200*	1988 -	2,437,959,100
1978 -	1,241,033,100*		

SIX YEAR COMPARISON OF GROSS PRODUCTION VALUE IN FRESNO COUNTY

	1968	1978	1985	1986	1987	1988
Field Crops	\$135,034,400*	\$ 285,942,500*	\$ 545,842,000	\$ 483,687,000	\$ 603,341,000	\$ 567,631,000
Seed Crops	14,025,900*	21,679,000	40,314,000	47,063,600*	37,921,000	45,216,000
Vegetable Crops	52,634,300*	173,725,000	343,493,000	368,120,000	432,514,000	447,922,000
Fruit and Nut Crops	169,833,900*	486,571,700*	684,976,400*	775,104,600	746,702,000	877,319,100
Nursery Products	1,011,850*	3,475,000	7,882,000	10,331,000	12,729,000	13,050,000
Livestock and Poultry	89,889,250*	265,883,500	420,329,000*	431,722,000	420,169,000*	477,382,000
Apiary	1,930,730*	3,756,400	6,029,000	6,065,000	7,021,000	5,649,000
Timber Harvest	+	+	5,195,000	3,628,000	3,647,000	3,790,000
TOTAL	\$464,360,330*	\$1,241,033,100*	\$2,054,060,400*	\$2,125,721,200*	\$2,264,044,000*	\$2,437,959,100

*Revised
+Not reported

GROSS PRODUCTION VALUE (in billions)

GROWTH OF FRESNO COUNTY AGRICULTURE OVER A TWENTY YEAR SPAN

