

Henry J. Voss, Director
California Department of Food and Agriculture

Cosmo C. Insalaco
Agricultural Commissioner
Sealer of Weights & Measures

The Honorable Board of Supervisors
County of Fresno

Sharon Levy, Chairperson
Judy Andreen Deran Koligian
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Daniel R. Fitzpatrick
County Administrative Officer

I am pleased to submit the 1989 Fresno County Agricultural Crop and Livestock Report. This annual compilation presents statistical data pertaining to the acreage, yield, and gross value of Fresno County agricultural products.

The total gross production value of Fresno County agricultural commodities in 1989 was \$2,609,378,800. This is a new record high and reflects a 6.73% increase over 1988.

It must be emphasized that values presented in this report reflect gross values only, and are not in any manner direct indications of net income or loss to producers.

1989 was the third consecutive drought year experienced by Fresno County producers and resulted in increasing negative impact of varying degree to the entire agricultural industry in the county. Irrigation water supplies, particularly our underground aquifer, are being severely stressed. Drought related concerns, both immediate and long term, must be accorded vitally serious consideration and attention.

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 extension benefit to the total economy of the county.

I sincerely appreciate the professional and dedicated work performed by Deputy Agricultural Commissioner/Sealer Dennis C. Plann; Supervising Agricultural/Standards Specialist L. V. Hawley; Agricultural/Standards Specialists Thomas M. Schackmann and Sandra L. Peterson, as well as the staff of the Agricultural Commissioner/Sealer's 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,



Cosmo C. Insalaco
Agricultural Commissioner/Sealer

"A civilization begins to decline when it loses touch with its agrarian roots."

-Richard Critchfield

"I know of no pursuit in which more real and important services can be rendered to any country than by improving its agriculture."

-George Washington

FRESNO COUNTY'S 10 LEADING CROPS

Crop	1989 Rank	1989 Dollar Value	1988 Rank	1979 Rank	1969 Rank
GRAPES	1	\$464,916,000	1	1	1
COTTON	2	398,908,000	2	2	2
TOMATOES	3	194,330,000	3	4	11
MILK	4	142,441,000	5	5	5
CATTLE & CALVES	5	122,817,000	4	3	2
TURKEYS	6	106,700,000	8	6	10
CANTALOUPE	7	91,575,000	11	16	7
NECTARINES	8	80,136,000	7	12	12
PLUMS	9	71,232,000	6	10	6
ORANGES	10	69,546,000	9	8	13

1989 Retrospect Highlights

1989 was the third consecutive year in the current drought cycle. Increasing negative impact to varying degrees affected the entire agricultural community. Of significant and particular concern is the continued increase of underground aquifer overdrafting. This increasing demand is accelerating beyond normal or usual quantities due to the shortage of surface irrigation water supplies. Increased production costs resulting from the use of deep well pumps have a definite and significant impact on net grower returns.

FIELD CROPS: Cotton was the number two crop in 1989 and dropped in gross value \$22,080,000 to \$398,908,000. This a 5.24 percent reduction from 1988. Acreage dropped 91,000 acres or 21.31 percent. Yield was up 230 pounds per acre or 19.17 percent. Value per pound climbed \$.04 per pound or 5.88 percent. Safflower gross returns increased \$2,201,000 or 93.30 percent to \$4,560,000. Sugar beets were up in value \$5,789,000 or 24.37 percent to \$29,548,000. Wheat gross returns increased 45.89 percent or \$6,335,000 to \$20,139,000 reflecting increased acreage, yield and price per ton.

SEED CROPS: The gross return for all seed crops increased 15.89 percent or \$7,185,000 to \$52,401,000. Seed alfalfa gross returns were up \$1,919,000 or 5.84 percent to \$34,751,000. Wheat seed gross returns were up 81.01 percent or \$5,556,000 to \$12,414,000 reflecting increased acreage, yield and return per pound.

VEGETABLE CROPS: The total gross returns for all vegetable crops increased \$65,821,000 or 14.69 percent. Broccoli gross returns were down 39.42 percent or \$10,728,000. This was due mostly to reduced acreage, yield and returns. Garlic gross returns were up \$8,020,000 or 30.88 percent. Acreage was down from 1988 by 800 acres or 6.84 percent. Yield and returns per pound were both above 1988. Head lettuce gross returns increased \$6,368,000 or 11.02 percent. This increase was due to an increase in fall acreage and yield. Cantaloupe gross returns increased 32.54 percent or \$22,485,000 to \$91,575,000 due mainly to a 3.69 tons per acre or 54.19 percent increase in yield. Onion gross returns jumped 29.14 percent or \$6,335,000 to \$28,074,000 reflecting increases in acreage and returns per ton of fresh pack dry onions. Sweet potato gross returns were up a significant 69.92 percent or \$2,227,000 to \$5,412,000. Tomatoes, which remained the number three crop, again increased in gross returns, climbing to \$194,330,000 due to increased acreage, yield and returns for processing tomatoes.

FRUIT AND NUT CROPS: Gross returns decreased 2.44 percent or \$21,404,000 to \$855,915,000. Grapes remained the county's number one agricultural crop. Gross revenues climbed 4.99 percent or \$22,090,000 to \$464,916,000 reflecting increases in gross returns in raisin and table varieties. Raisin production increased 2.28 percent or 7,000 tons and, coupled with a \$17 increase in return per ton, resulted in a 4.24 percent or \$11,554,000 increase in gross returns to \$284,170,000. The increase in table grape gross returns reflected increases in gross returns per ton in both fresh and crushed utilization, offsetting the reduced production. Nectarines, the number seven crop, decreased in value 11.98 percent or \$10,909,000 to \$80,136,000 reflecting lower yields and returns per ton. Plums, which dropped from sixth to the number nine position, decreased in gross returns 25.30 percent or \$24,128,000. This drop

was due mostly to significant reductions in yield and returns. Oranges dropped from ninth into tenth position and displaced peaches from the top ten commodity list.

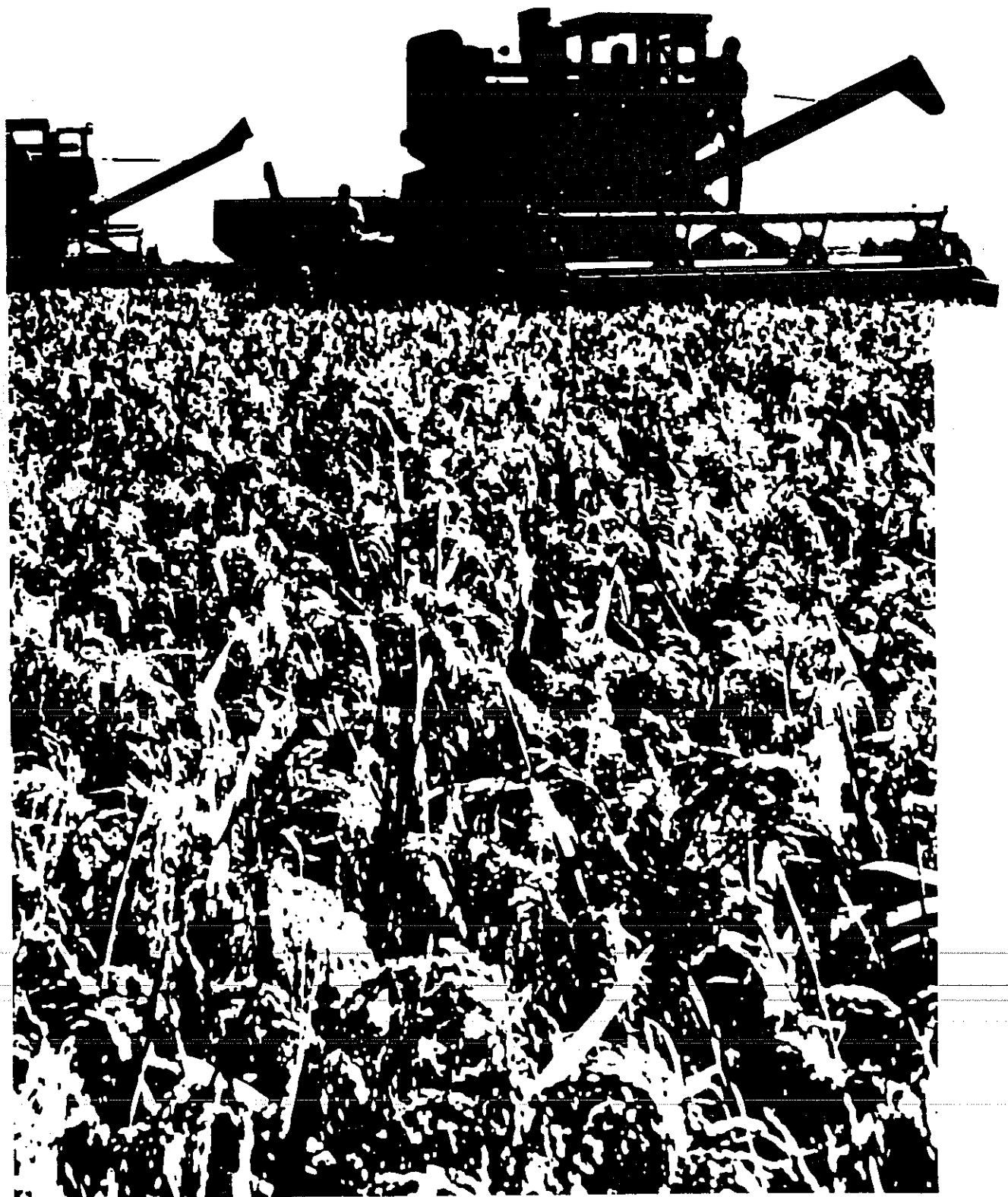
NURSERY: Gross returns decreased .98 percent or \$135,000 to \$13,670,000. Production and gross returns were up in ornamental trees and shrubs but in all other areas decreases were experienced.

LIVESTOCK AND POULTRY: The continuing drought conditions have had a particularly severe impact on rangeland feed and water conditions. Some assistance has been provided by the Federal Supplemental Feed Program. Native grasses availability have been reduced in some instances by 80 percent. 1989 gross returns increased significantly over the 1988 total of \$338,978,000 by 33.66 percent or \$114,104,000 to \$453,082,000. This increase was affected greatly by the county's dynamic poultry industry. The gross returns for the county's turkey industry increased by \$29,627,000 or 38.44 percent to \$106,700,000 due to increased production and returns per pound. Turkeys moved higher by three positions to the number six commodity from ninth place in 1988. Gross returns from cattle and calves decreased 14.20 percent or \$17,446,000 to \$122,817,000. This decrease in gross returns dropped cattle and calves to the fifth ranked commodity position.

LIVESTOCK AND POULTRY PRODUCTS: Gross returns increased 10.71 percent or \$14,815,000 to \$153,135,000. Milk, which moved into the number four position, increased in production by 366,600 cwt. This was an increase in gross returns of 18.04 percent or \$21,855,000 to 142,441,000.

APIARY PRODUCTS AND POLLINATION SERVICES: Gross returns grew by 9.56 percent or \$540,300 to \$6,189,800. Honey increased in gross value \$220,000 or 38.06 percent to \$798,000.

INDUSTRIAL CROPS: The gross value of cut timber grew 61.11 percent or \$2,316,000 to \$6,106,000. This increase was due to a 38.69 percent rise in the number of board feet of timber harvested and an additional \$.01 per board foot in returns.



FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Barley	1989	22,300	2.00	44,600	ton	\$ 113.00	\$ 5,040,000
	1988	27,000	2.30	62,100	ton	\$ 96.00	\$ 5,962,000
Beans, dry	1989	12,000	.99	11,900	ton	690.00	8,211,000
	1988	17,000	.94	16,000	ton	689.00	11,024,000
Corn							
Grain	1989	8,700	3.79	33,000	ton	109.00	3,597,000
	1988	6,800	4.00	27,200	ton	103.00	2,802,000
Silage	1989	10,600	25.00	265,000	ton	16.00 ^b	4,240,000
	1988	12,200	24.00	293,000	ton	18.00 ^b	5,274,000
Cotton							
Lint	1989	336,000 ⁱ	1,430 ^a	961,000 ^b	bale	.72 ^c	348,728,000
	1988	427,000	1,200 ^a	1,025,000 ^{b*}	bale	.68 ^c	351,288,000*
Seed	1989			386,000	ton	130.00	50,180,000
	1988			410,000*	ton	170.00	69,700,000*
Hay							
Alfalfa ^d	1989	77,000	8.90	685,000	ton	88.00	60,280,000
	1988	80,000	9.00	720,000	ton	90.00	64,800,000
Other ^e	1989	21,800	1.25	27,300	ton	80.00	2,184,000
	1988	26,100	1.12	29,200	ton	78.00	2,278,000
Pasture and Range							
Alfalfa Stubble ^f	1989	70,000			acre	13.00	910,000
	1988	70,000			acre	13.00	910,000
Irrigated Pasture	1989	50,000			acre	110.00	5,500,000
	1988	50,000			acre	110.00	5,500,000
Grazing Range	1989	900,000			acre	7.00	6,300,000
	1988	900,000			acre	7.00	6,300,000

FIELD CROPS: (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Rice	1989	6,100	2.70	16,500	ton	\$160.00	\$ 2,640,000
	1988	7,000	3.00	21,000	ton	\$180.00	\$ 3,780,000
Safflower	1989	9,500	1.60	15,200	ton	300.00	4,560,000
	1988	5,000	1.85	9,250	ton	255.00	2,359,000
Sugar Beets	1989	24,200	30.00	726,000	ton	40.70	29,548,000
	1988	27,400	26.09	715,000	ton	33.23	23,759,000
Wheat	1989	43,300	3.16	137,000	ton	147.00	20,139,000
	1988	43,000	2.77	119,000	ton	116.00	13,804,000
Other ^h	1989	8,900					3,080,000
	1988	<u>14,300</u>					<u>4,109,000</u>
Total	1989	1,530,400					\$555,137,000
	1988	1,642,800					\$573,649,000*

a Pounds of lint per acre

b 500 pounds lint per bale

c Price per pound, 504 pounds gross weight per bale

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, straw, sudan and winter forage

i Includes 2,780 acres pima cotton

* Revised



SEED CROPS

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Alfalfa	1989	31,200	570	17,784,000	lb.	\$1.40	\$24,898,000
Certified	1988	30,500	640	19,520,000	lb.	\$1.20	\$23,424,000
	1989	14,300	530	7,579,000	lb.	1.30	9,853,000
Non-Certified	1988	14,000	600	8,400,000	lb.	1.12	9,408,000
Total All Alfalfa Seed	1989	45,500		25,363,000	lb.		34,751,000
	1988	44,500		27,920,000	lb.		32,832,000
Barley	1989	1,800	4,400	7,920,000	lb.	.06	475,000
Certified	1988	1,400	4,990	6,986,000	lb.	.06	419,000
	1989	1,500	2,900	4,350,000	lb.	.05	218,000
Non-Certified	1988	1,200	3,300	3,960,000	lb.	.05	198,000
Cotton^a	1989	7,500		6,405,000	lb.	.11	705,000 ^b
	1988	7,490		9,725,000	lb.	.14	1,413,000 ^b
Vegetable^c	1989	1,000					2,125,000
	1988	1,880					3,026,000
Wheat	1989	19,400	6,100	118,340,000	lb.	.10	11,834,000
Certified	1988	15,500	6,000	93,000,000	lb.	.07	6,510,000
	1989	1,250	5,800	7,250,000	lb.	.08	580,000
Non-Certified	1988	1,000	5,800	5,800,000	lb.	.06	348,000
Other^d	1989	2,860					1,713,000
	1988	<u>1,700</u>					<u>470,000</u>
Total	1989	73,310					\$52,401,000
	1988	67,180					\$45,216,000

a Not included in total acreage for "Seed Crops"

b Includes \$30 per acre approval on 1,643 acres

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

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



VEGETABLES CROPS

CROP	HARVESTED YEAR	ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Broccoli ^a	1989	5,800	7.90	45,800	ton	\$360.00	\$ 16,488,000
	1988	7,500	9.60	72,000	ton	\$378.00	\$27,216,000
Carrots ^a	1989	2,450	22.00	53,900	ton	300.00	16,170,000
	1988	3,600	30.56	110,000	ton	174.00	19,140,000
Chinese Vegetables ^b	1989	1,060	7.78	8,250	ton	420.00	3,465,000
	1988	850	9.51	8,080	ton	380.00	3,070,000
Eggplant	1989	300	9.30	2,790	ton	400.00	1,116,000
	1988	350	12.51	4,380	ton	420.00	1,840,000
Garlic ^a	1989	10,900	9.45	103,000	ton	330.00	33,990,000
	1988	11,700	9.06	106,000	ton	245.00	25,970,000
Head Lettuce							
Spring	1989	8,650	11.70				
	1988	8,800	13.80				
Naked				57,000	ton		
Wrapped				33,400	ton		
Bulk				10,800	ton		
Season Total	1989	8,650	11.70	101,200	ton	210.00	21,252,000
	1988	8,800	13.80	121,400	ton	179.00	21,731,000
Fall	1989	9,810	17.50				
	1988	9,200	15.50				
Naked				110,000	ton		
Wrapped				44,600	ton		
Bulk				17,100	ton		
Season Total	1989	9,810	17.50	171,700	ton	250.00	42,925,000
	1988	9,200	15.50	142,600	ton	253.00	36,078,000
Head Lettuce Totals	1989	18,460		272,900			64,177,000
	1988	18,000		264,000			57,809,000

VEGETABLES CROPS: (continued)

CROP	HARVESTED YEAR	ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Melons							
Cantaloupe	1989	31,700	10.50	333,000	ton	\$275.00	\$91,575,000
	1988	34,500	6.81	235,000	ton	\$294.00	\$69,090,000
Honeydew	1989	2,600	11.88	30,900	ton	225.00	6,953,000
	1988	2,500	9.00	22,500	ton	284.00	6,390,000
Mixed Melons ^d	1989	1,500	8.53	12,800	ton	295.00	3,776,000
	1988	900	8.08	7,270	ton	400.00	2,908,000
Watermelon	1989	350	9.00	3,150	ton	117.00	369,000
	1988	260	16.62	4,320	ton	194.00	838,000
Onions							
Dry							
Fresh	1989	2,780	17.16	47,700	ton	320.00	15,264,000
	1988	1,930	18.08	34,900	ton	199.00	6,945,000
Processed	1989	9,800	18.67	183,000	ton	70.00	12,810,000
	1988	11,900	18.32	218,000	ton	67.86	14,794,000
Bell Peppers ^a	1989	2,200	10.41	22,900	ton	510.00	11,679,000
	1988	3,200	12.44	39,800	ton	400.00	15,920,000
Squash ^c	1989	890	5.20	4,630	ton	370.00	1,713,000
	1988	928	6.36	5,900	ton	408.00	2,407,000
Sweet Potatoes/ Yams	1989	1,370	9.64	13,200	ton	410.00	5,412,000
	1988	1,240	6.89	8,540	ton	373.00	3,185,000
Tomatoes							
Fresh							
Cherry	1989	575	15.00	8,630	ton	590.00	5,092,000
	1988	650	12.00	7,800	ton	670.00	5,226,000
Standard	1989	5,200	18.44	95,900	ton	520.00	49,868,000
	1988	5,600	18.57	104,000	ton	474.00	49,296,000
Processed	1989	72,400	35.00	2,534,000	ton	55.00	139,370,000
	1988	64,800	33.19	2,151,000	ton	48.00	103,248,000

VEGETABLE CROPS: (continued)

CROP	YEAR	HARVESTED ACREAGE	PRODUCTION		VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Other	1989	17,600					\$ 34,456,000
Vegetables ^c	1988	14,700*					\$ 32,630,000*
Total	1989	188,235					\$513,743,000
	1988	185,108					\$447,922,000

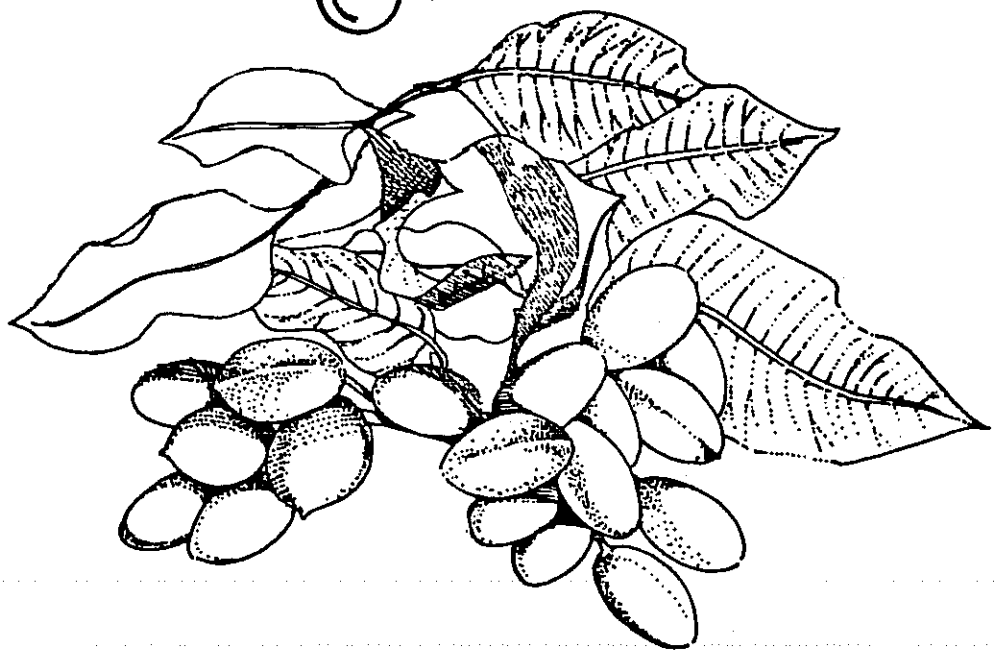
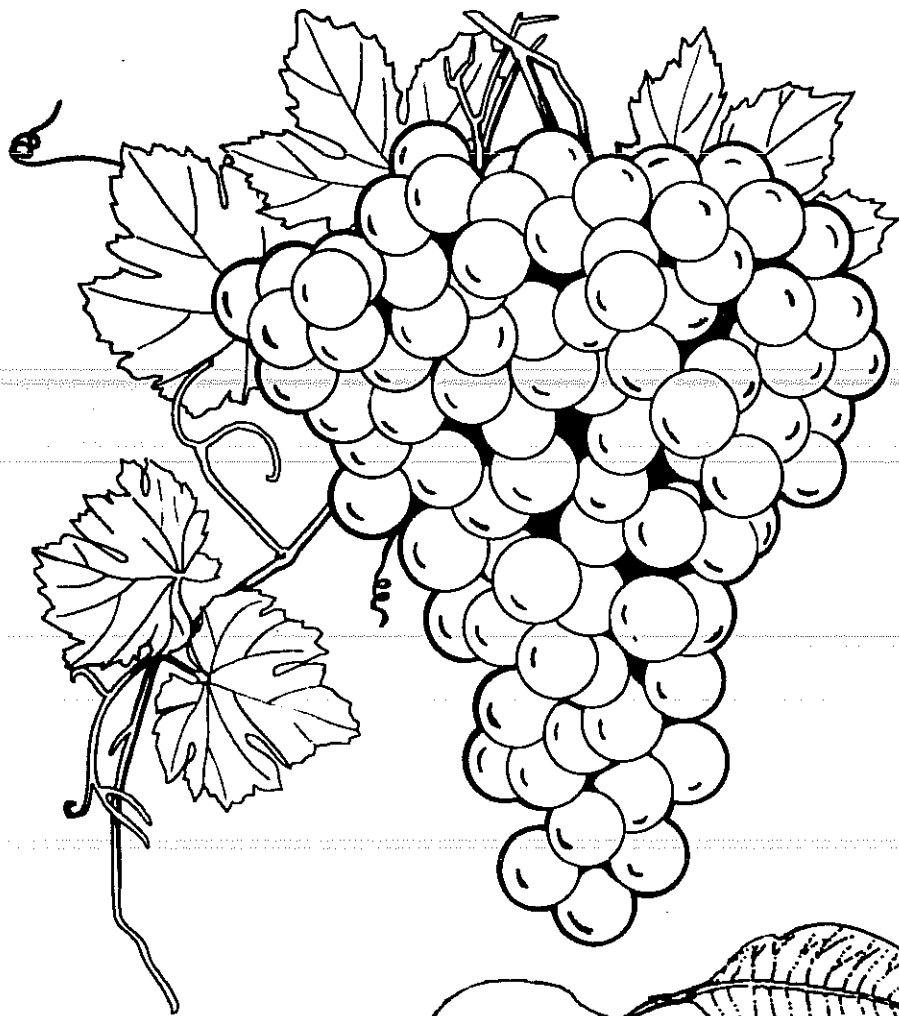
a Includes fresh and processed

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, cauliflower, 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, sunchokes and turnips

d Casaba, Crenshaw, Juan Canary, 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	1989	30,375	.73	22,200	ton	\$2,200.00	\$48,840,000
	1988	30,667	.94	28,800	ton	\$2,000.00	\$57,600,000
Almond Hulls	1989			42,500	ton	60.00	2,550,000
	1988			57,600	ton	50.00	2,880,000
Apricots	1989	483	6.40	3,090	ton	860.00	2,657,000
	1988	539	6.47	3,490	ton	690.00	2,408,000
Citrus							
Lemons	1989	1,019	11.09				
	1988	1,019	11.48				
Fresh	1989			7,100	ton	600.00	4,260,000
	1988			8,420	ton	620.00	5,220,000
Processed	1989			4,200	ton	70.00	294,000
	1988			3,280	ton	70.00	230,000
Oranges							
Navel	1989	15,630	11.28				
	1988	15,456	10.44				
Fresh	1989			133,000	ton	375.00	49,875,000
	1988			126,000	ton	420.00	52,920,000
Processed	1989			43,300	ton	80.00	3,464,000
	1988			35,300	ton	75.00	2,648,000
Valencia	1989	3,695	13.80				
	1988	3,491	11.45				
Fresh	1989			33,200	ton	434.00	14,409,000
	1988			32,500	ton	513.00	16,673,000
Processed	1989			17,800	ton	101.00	1,798,000
	1988			7,470	ton	110.00	822,000
Other ^a	1989	602	12.57				
	1988	600	7.50				
Fresh	1989			3,370	ton	440.00	1,483,000
	1988			3,690	ton	575.00	2,122,000

FRUIT AND NUT CROPS: (continued)

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Other^a (continued)							
Processed	1989			4,200	ton	\$ 90.00	\$ 378,000
	1988			810	ton	\$ 68.00	\$ 55,100
Figs, dried	1989	3,200	.94	3,010	ton	1,100.00	3,311,000
	1988	3,250	1.08	3,500	ton	1,150.00	4,025,000
Grapes							
Raisin Varieties	1989	162,792	10.07				
	1988	164,369	10.93				
Canned	1989			7,500	ton	208.00	1,560,000
	1988			8,800	ton	200.00	1,760,000
Crushed	1989			204,000	ton	132.00	26,928,000
	1988			180,000	ton	115.00	20,731,000
Dried	1989			314,000	ton	905.00	284,170,000
	1988			307,000	ton	888.00 ^c	272,616,000 ^c
Fresh	1989			72,500	ton	680.00	49,300,000
	1988			65,000	ton	630.00	40,950,000
Juice	1989			4,650	ton	375.00	1,744,000
	1988			7,540	ton	343.00	2,586,000
Table Varieties	1989	9,395	8.25				
	1988	9,206	9.32				
Crushed	1989			19,000	ton	108.00	2,052,000
	1988			24,900	ton	102.00	2,540,000
Fresh	1989			58,500	ton	783.00	45,806,000
	1988			60,900	ton	725.00	44,153,000
Wine Varieties	1989	34,239	8.39				
	1988	34,867	9.90				
Crushed	1989			275,000	ton	173.00	47,575,000
	1988			330,000	ton	156.00	51,480,000
Juice	1989			12,300	ton	470.00	5,781,000
	1988			15,100	ton	398.00	6,010,000
Grapes Total	1989	206,426					464,916,000
	1988	208,442					442,826,000

FRUIT AND NUT CROPS: (continued)

CROP	YEAR	BEARING ACREAGE	PRODUCTION		UNIT	VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
Kiwi	1989	320	4.50	1,440	ton	\$1,650.00	\$ 2,376,000
	1988	321	4.33	1,390	ton	\$1,730.00	\$ 2,405,000
Nectarines	1989	13,032	9.67	126,000	ton	636.00	80,136,000
	1988	12,764	10.26	131,000	ton	695.00	91,045,000
Olives, canned	1989	1,151	3.90	4,490	ton	550.00	2,470,000
	1988	1,151	2.34	2,690	ton	593.00	1,595,000
Peaches							
Clingstone	1989	1,347	17.00	22,900	ton	218.00	4,992,000
	1988	1,432	16.27	23,300	ton	214.00	4,986,000
Freestone	1989	11,832	8.71	103,000	ton	625.00	64,375,000
	1988	11,614	9.39	109,000	ton	604.00	65,836,000
Peaches Total	1989	13,179					69,367,000
	1988	13,046					70,822,000
Pears and Apple Pears	1989	260	7.65	1,990	ton	970.00	1,930,000
	1988	245	7.18	1,760	ton	1,040.00	1,830,000
Pecans	1989	372	.80	298	ton	1,800.00	536,000
	1988	368	.90	331	ton	1,600.00	530,000
Persimmons	1989	291	5.29	1,540	ton	1,040.00	1,602,000
	1988	259	5.41	1,400	ton	900.00	1,260,000
Pistachios	1989	1,645	.60	987	ton	3,810.00	3,760,000
	1988	1,235	.80	988	ton	2,650.00	2,618,000
Plums	1989	17,741	6.31	112,000	ton	636.00	71,232,000
	1988	17,740	7.22	128,000	ton	745.00	95,360,000
Pomegranates	1989	964	9.00	8,680	ton	600.00	5,208,000
	1988	911	5.58	5,080	ton	562.00	2,855,000
Prunes, dried	1989	1,166	4.10	4,780	ton	800.00	3,824,000
	1988	1,129	2.35	2,650	ton	700.00	1,855,000
Strawberries ^d	1989	275	12.51	3,440	ton	740.00	2,546,000
	1988	200	13.80	2,760	ton	643.00	1,775,000
Walnuts	1989	2,860	2.00	5,720	ton	960.00	5,491,000
	1988	2,866	1.22	3,500	ton	880.00	3,080,000

FRUIT AND NUT CROPS: (continued)

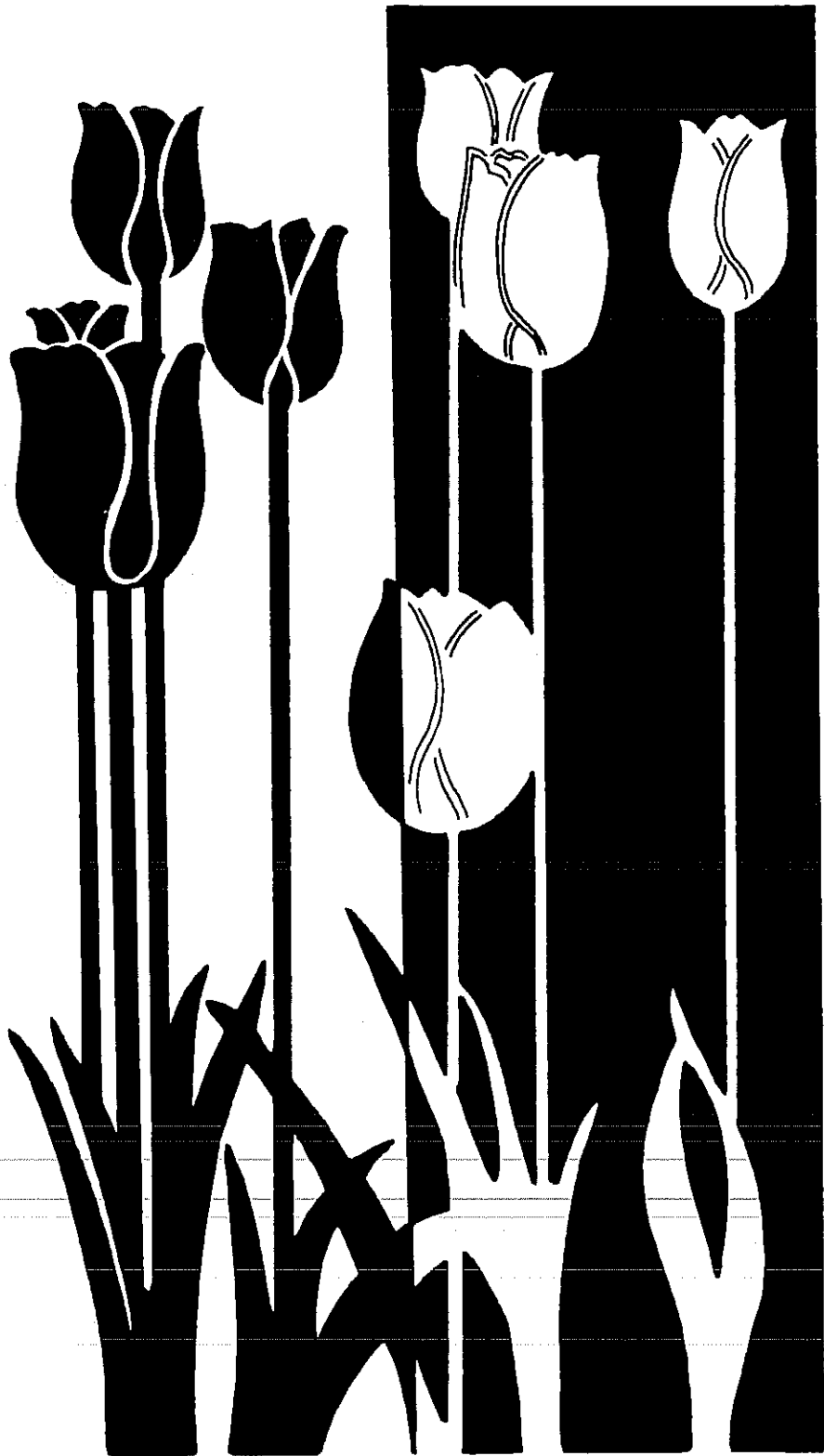
CROP	BEARING YEAR	ACREAGE	PRODUCTION		VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Other ^b	1989	1,300					\$ 7,202,000
	1988	<u>1,250</u>					\$ <u>9,860,000</u>
Total	1989	315,986					\$855,915,000
	1988	317,231					\$877,319,100

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

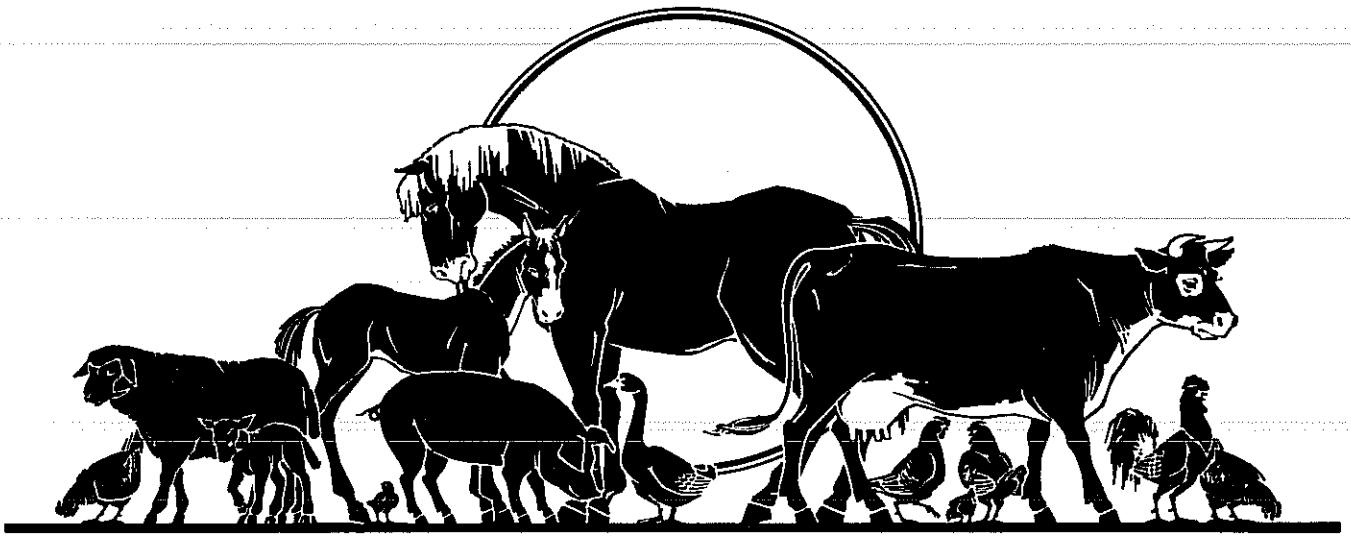
ITEM	YEAR	ACRES	QUANTITY	UNIT	VALUE
Christmas Trees	1989	125	17,000	trees	\$ 349,000
	1988	129	17,800	trees	\$ 372,000
Herbaceous Ornamentals ^a	1989	16	100,000	b	503,000
	1988	16	131,000	b	642,000
Ornamental Trees and Shrubs	1989	64	2,011,000	plants	6,125,000
	1988	64	1,806,000	plants	5,641,000
Other Nursery crops ^c	1989	251	68,793,000	plants	6,693,000
	1988	<u>259</u>	63,664,000	plants	<u>7,150,000</u>
Total	1989	456			\$13,670,000
	1988	468			\$13,805,000*

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

* Revised



LIVESTOCK & POULTRY

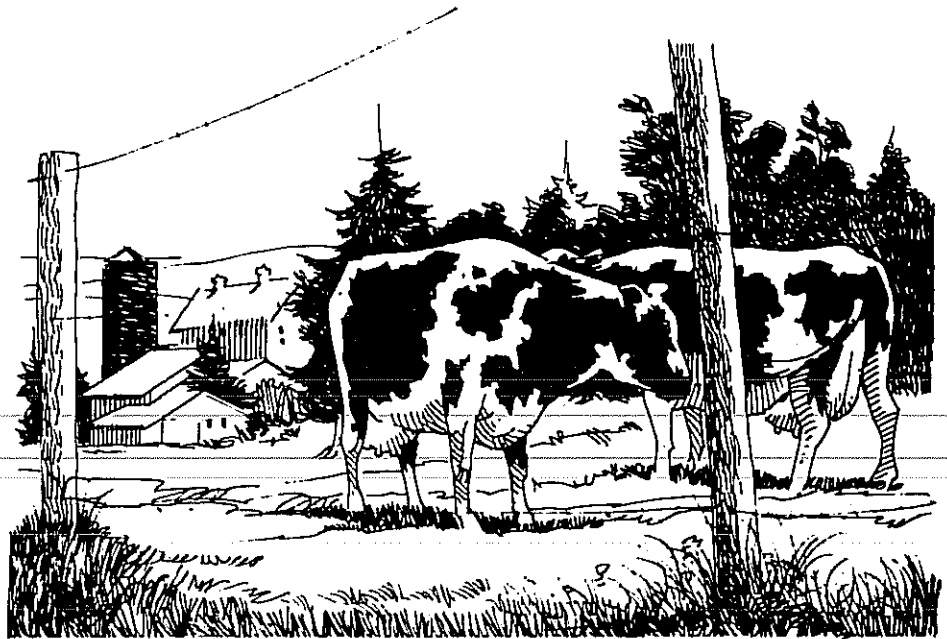
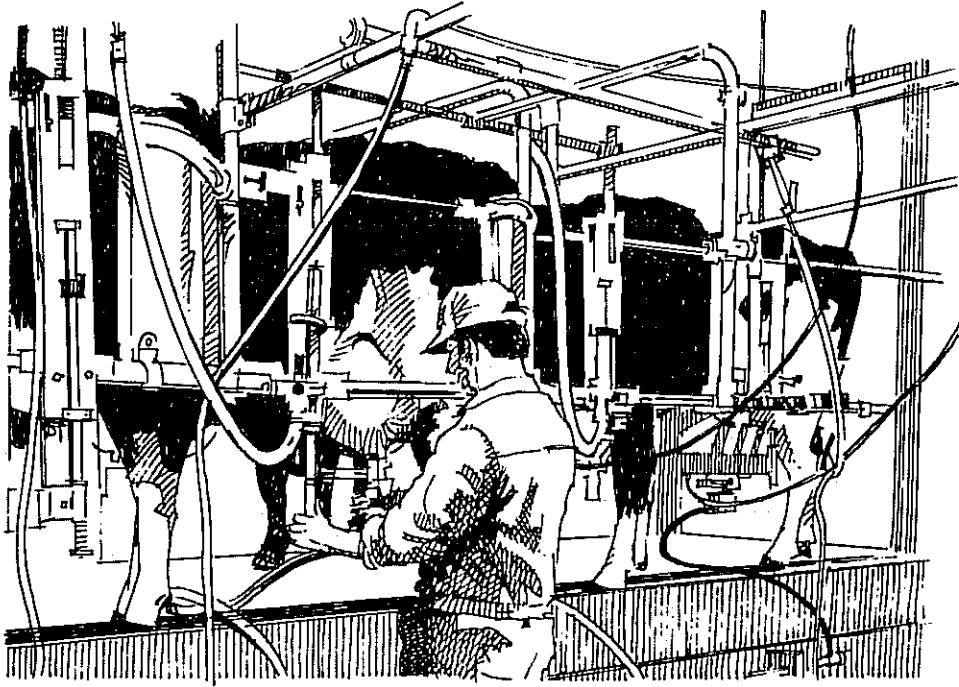
ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Cattle and Calves						
Beef						
Breeding Stock						
Common	1989	1,320		head	\$ 550.00	\$ 726,000
	1988	1,400		head	\$ 650.00	\$ 910,000
Registered	1989	330		head	1,200.00	396,000
	1988	350		head	1,150.00	403,000
Feeders	1989	158,000	316,000	cwt.	73.80	23,321,000
	1988	150,000	300,000	cwt.	74.96	22,488,000
Calves	1989	23,100	106,000	cwt.	80.50	8,533,000
	1988	24,600	113,000	cwt.	81.70	9,232,000
Slaughter Stock						
From Feed Lots	1989	221,000	1,039,000 ^a	cwt.	62.00	64,418,000
	1988	249,000	1,170,000 ^a	cwt.	70.39	82,356,000
From other sources	1989	4,950	43,600	cwt.	41.49	1,809,000
	1988	5,250	46,200	cwt.	43.16	1,994,000
Dairy						
Breeding Stock	1989	7,600		head	1,200.00	9,120,000
	1988	6,930		head	1,200.00	8,316,000
Cull Stock	1989	17,000	221,000	cwt.	46.75	10,332,000
	1988	15,900	207,000	cwt.	42.75	8,849,000
Calves	1989	13,600	40,800	cwt.	102.00	4,162,000
	1988	12,700	38,100	cwt.	150.00	5,715,000
Hogs and Pigs						
Feeder Pigs and Slaughter Stock	1989	13,000	26,000	cwt.	45.88	1,193,000
	1988	10,500	23,800	cwt.	47.98	1,142,000

LIVESTOCK & POULTRY: (continued)

ITEM	YEAR	PRODUCTION		UNIT	VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT		PER UNIT	TOTAL
Horses and Mules						
Recreational/	1989	1,600		head	\$675.00	\$ 1,080,000
Working Stock	1988	1,500		head	\$650.00	\$ 975,000
Sheep and Lambs						
Slaughter Stock						
Lambs	1989	76,000	72,200	cwt.	71.00	5,126,000
	1988	74,400	70,700	cwt.	70.35	4,974,000
Sheep	1989	19,400	27,200	cwt.	22.50	612,000
	1988	19,000	26,600	cwt.	23.53	626,000
Turkeys	1989	9,700,000	213,400,000	lb.	.50	106,700,000
	1988	8,962,000	192,683,000	lb.	.40	77,073,000
Other^b	1989					215,554,000
	1988					<u>113,925,000</u>
Total	1989					\$453,082,000
	1988					\$338,978,000

a Net feedlot gain

b Includes chickens, fish, game birds, squab and turkey poults



LIVESTOCK & POULTRY PRODUCTS

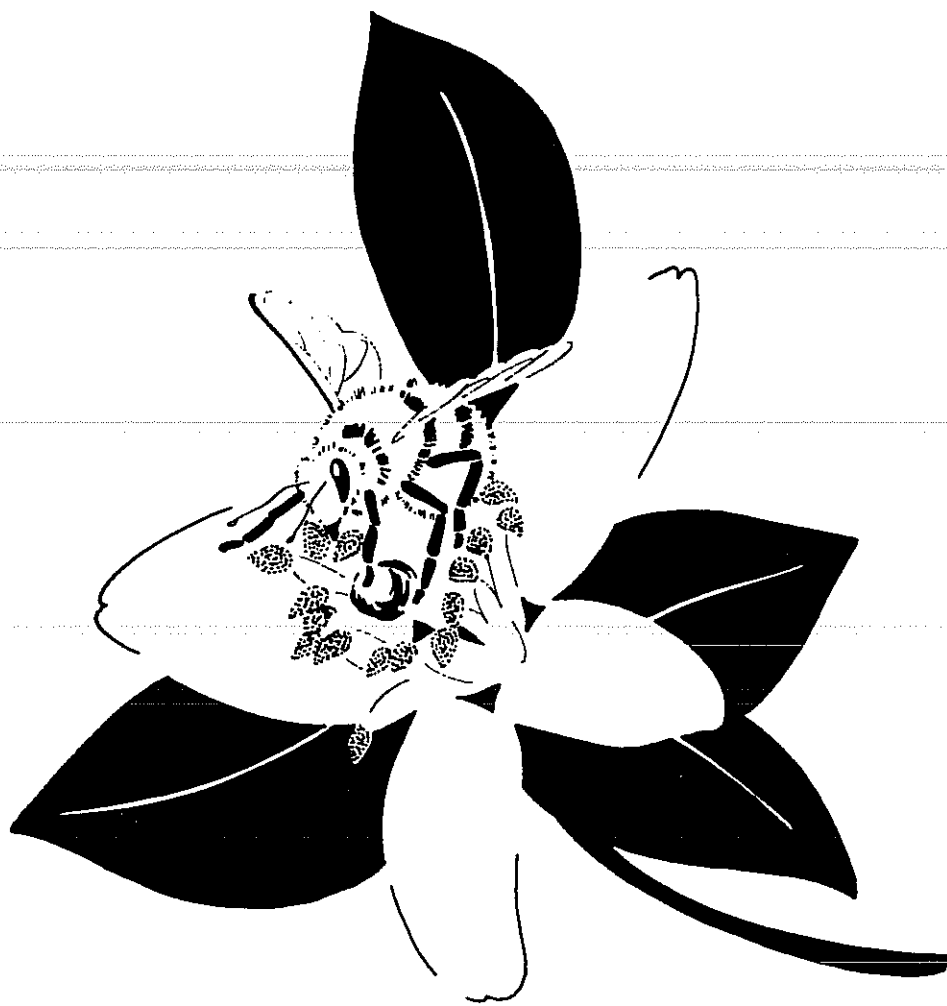
CROP	YEAR	PRODUCTION	UNIT	VALUE	
				PER UNIT	TOTAL
Manure	1989	675,000	ton	\$ 5.16	\$ 3,483,000
	1988	517,000	ton	\$ 5.64	\$ 2,918,000
Milk					
Manufacturing	1989	130,000	cwt.	11.60	1,508,000
	1988	75,400*	cwt.	9.89	746,000*
Market	1989	11,533,000	cwt.	12.22	140,933,000
	1988	11,221,000	cwt.	10.68	119,840,000
Wool	1989	752,000	lb.	1.30	978,000
	1988	760,000	lb.	1.25	950,000
Eggs					
Chicken & Turkey ^a	1989	1,355,000	dozen	4.60	6,233,000
	1988	6,280,000	dozen	2.208	<u>13,866,000</u>
Total	1989				\$153,135,000
	1988				\$138,320,000*

a Includes market eggs and hatching eggs

* Revised

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

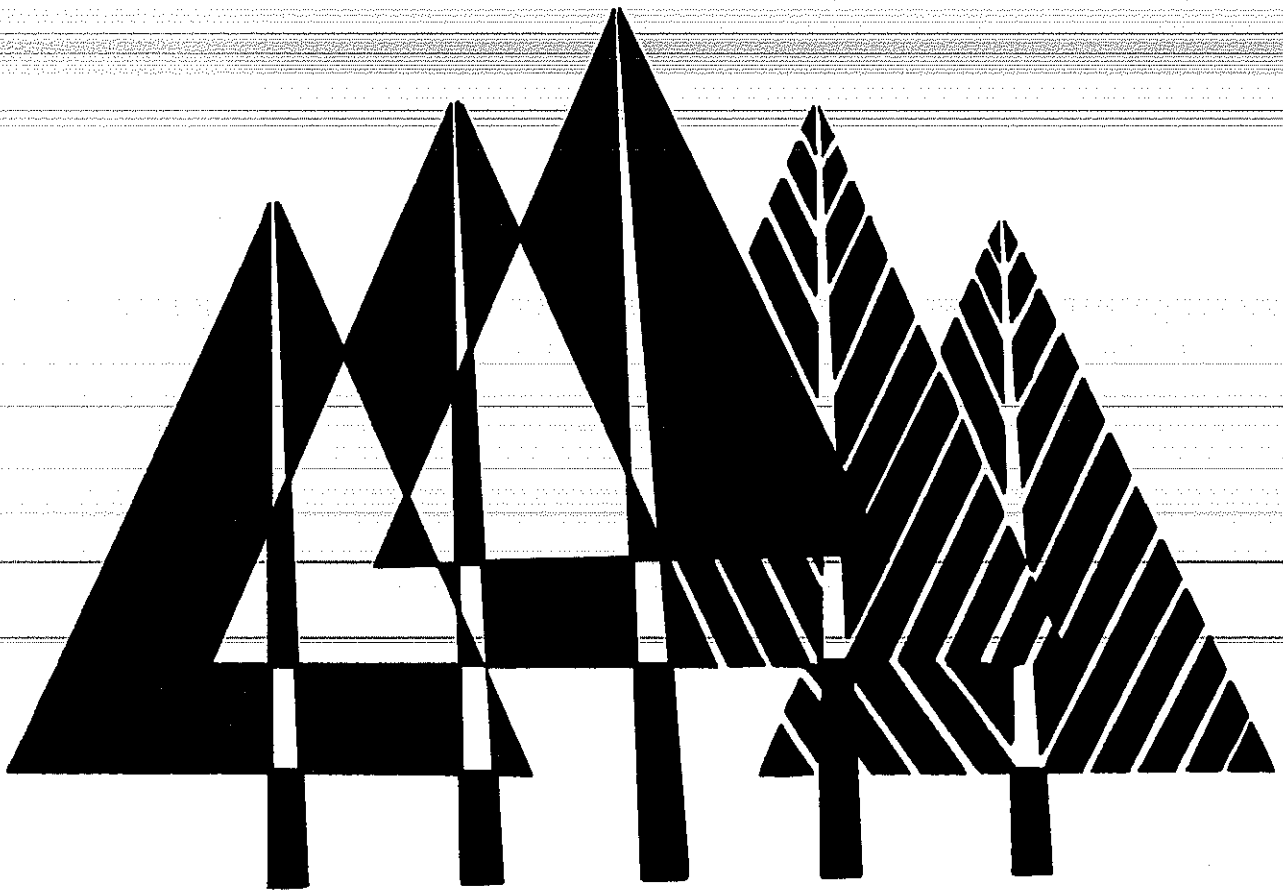
ITEM	January 1, 1990	January 1, 1989
Cattle and Calves		
All	370,000	344,000
Dairy and Beef Cows	88,000	89,600
Cattle on Feed	100,000	96,200
Stock Sheep and Lambs	94,000	97,000
Goats	1,300	1,000
Hogs and Pigs	7,500	7,700
Horses	17,500	17,500
Poultry	3,600,000	2,195,000



APIARY PRODUCTS AND POLLINATION SERVICES

ITEM	YEAR	PRODUCTION TOTAL	UNIT	VALUE	
				PER UNIT	TOTAL
Apiary Product^a					
Honey	1989	1,308,000	lb.	\$.61	\$ 798,000
	1988	1,032,000	lb.	\$.56	\$ 578,000
Beeswax	1989	57,200	lb.	1.01	57,800
	1988	37,300	lb.	1.06	39,500
Pollination^b					
Seed Crops					
Alfalfa	1989	132,000	colony	20.00	2,640,000
	1988	107,000	colony	18.40	1,969,000
Tree Fruit ^c	1989	74,200	colony	30.84	2,288,000
	1988	96,000	colony	27.30	2,621,000
Cantaloupe	1989	29,200	colony	13.90	406,000
	1988	29,100	colony	15.19	<u>442,000</u>
Total	1989				\$6,189,800
	1988				\$5,649,500

- a Reflects bee colonies registered in Fresno County by commercial and semi-commercial beekeepers: 1989 - 41,462 colonies; 1988 - 37,297 colonies
- b Reflects value of pollination by all bee colonies located in Fresno County for pollination services during 1989. Estimated total colonies: 167,619
- c Almonds and plums



INDUSTRIAL CROPS

CROP	YEAR	PRODUCTION	UNIT (a)	VALUE (b)
Timber	1989	81,300,000	Board feet	\$6,106,000
	1988	58,622,000	Board feet	\$3,790,000

a Board feet is the quantity of timber cut and sealed

b Value of timber immediately prior to cutting

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

1969-	457,937,145*	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-	2,444,732,600*
1978-	1,241,033,100*	1989-	2,609,378,800
1979-	1,719,235,500		

SIX YEAR COMPARISON OF GROSS PRODUCTION VALUE IN FRESNO COUNTY

	1969	1979	1986	1987	1988	1989
Field Crops	\$119,648,200*	\$539,523,000	\$483,687,000	\$603,341,000	\$573,649,000*	\$555,137,000
Seed Crops	8,914,000*	38,994,000	47,063,600*	37,921,000	45,216,000	52,401,000
Vegetable Crops	41,613,100*	162,784,000	368,120,000	432,514,000	447,922,000	513,743,000
Fruit & Nut Crops	186,000,220*	631,630,500	775,104,600	746,702,000	877,319,100	855,915,000
Nursery Products	739,115*	4,345,000	10,331,000	12,729,000	13,805,000*	13,670,000
Livestock/ Poultry	100,543,350*	337,382,300	431,722,000	420,169,000*	477,382,000	606,217,000
Apiary	479,160*	4,576,700	6,065,000	7,021,000	5,649,500*	6,189,800
Timber Harvest	+	+	3,628,000	3,647,000	3,790,000	6,106,000
TOTAL	\$457,937,145*	\$1,719,235,500	\$2,125,71,200*	\$2,264,044,000*	\$2,444,732,600*	\$2,609,378,800

* Revised

+ Not Reported

GROWTH OF FRESNO COUNTY AGRICULTURE OVER A TWENTY YEAR SPAN

