

1994 Monterey County Crop Report



MONTEREY COUNTY

AGRICULTURAL COMMISSIONER

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California Department of Food and Agriculture

and

The Honorable Board of Supervisors of Monterey County

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Judy Pennycook	2nd District
Tom Perkins	3rd District
Edith Johnsen	4th District
Sam Karas	5th District

In accordance with the provisions of Sections 2279 of the California and Agricultural Code, I am pleased to submit the Monterey County Agricultural Crop Report for the Calendar year 1994. This report is the result of information gathered from many sources, and as always, it must be emphasized that the figures represent gross returns to the producer and do not indicate actual net profit.

Monterey County once again saw an increase in its agricultural production with a dollar value of \$1,934,702,390. This represents an increase of \$81,005,240.00 or 4.4% increase over 1993.

Despite depressed market conditions throughout most of the year, prices rebounded with a strong showing concluding the season.

Vegetable, and Field Crops reported higher returns due to increases in harvested containers and market demand for Food Service Products.

Head Lettuce reported a 4% increase in total F.O.B. value along with an increase of 582 acres. The demand for bulk lettuce for salad product production now utilizes 27% of the Head Lettuce produced in Monterey County.

Leaf Lettuce, a composite of six varieties, reported an acreage increase of almost 5000 acres. Increased production per acre and strong per carton prices resulted in a 4.9% increase in total F.O.B. value for Leaf Lettuce for 1994.

Broccoli has been the number two value commodity in Monterey County since 1992. This year Broccoli reported the largest gross value increase of any commodity at \$44,786,000. An increased price per ton was responsible.

Cauliflower was another commodity that reported increases due to per ton values and food service product production. This commodity saw a \$10,000,000 increase in total value which resulted in a 9.5% increase in 1994.

Other products in Monterey County showing increases were Artichokes, Broccoli, Carrots, Celery, Radicchio, Radishes, and Spinach.

Salad Products present the major element of the Value Added/Food Service items that are grown and produced in Monterey County. Their continued increasing popularity in institutional use and increasing utilization by consumers is reflected in the 26% increase in total F.O.B. Value.

Food Service or value added fresh products have created a significant showing in the fresh market industry. Excluding salad products, the remaining food service products as a whole represent 58,913 tons and represent a total value of \$92,238,573 for 1994.

Nursery Crops continued to decline in 1994 due to continued Foreign competition and producers switching to alternate indoor ornamentals or commodities. A 6.8% decrease was reported, which resulted in a \$2,802,000 loss from 1993.

Wine grape values decreased due to reduced yield and lower per unit value.

Livestock values were down as a result of lower price per pound.

Exports continue to be a valuable outlet for County products, with Canada and Japan the primary importers. Broccoli and Head Lettuce continue to be the main commodities exported.

Monterey County and its diversity of commodities produced are reflected in 47 various million dollar crops. Our agricultural industry should be commended for their ability to produce over 50% of the nation's acreage of Broccoli, Strawberries, Mushrooms, Spinach, Artichokes, and Chili Peppers.

Very Truly Yours



Richard W. Nutter
Agricultural Commissioner

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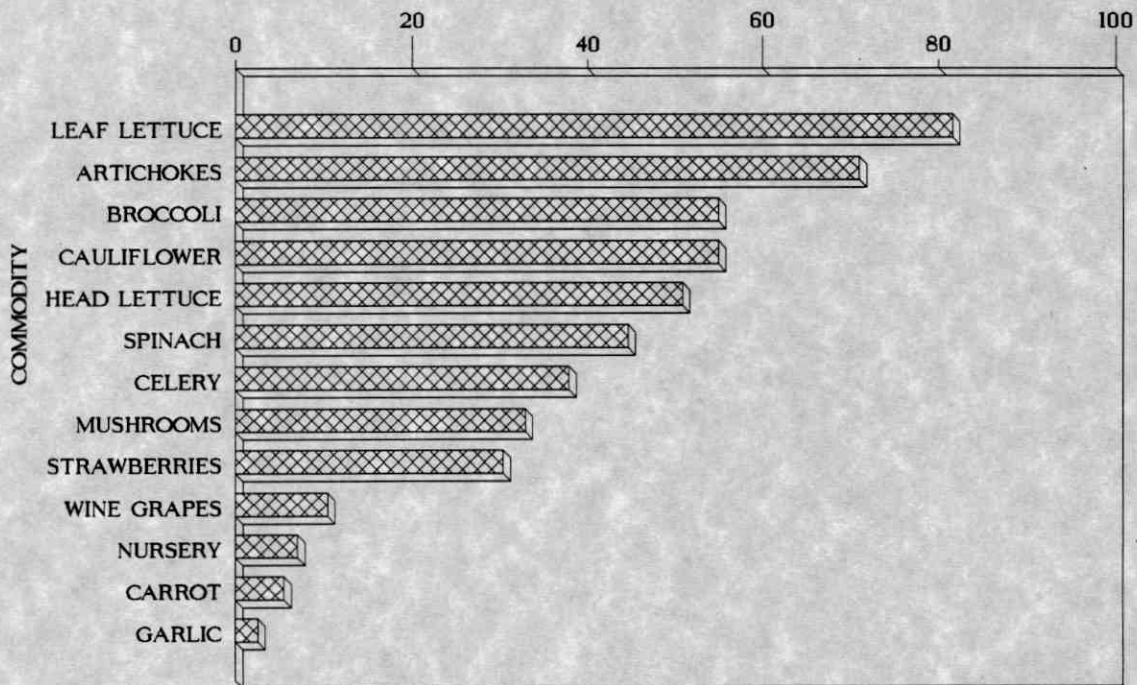
Weights and Measures Inspector III

Addison (Tad) Church

Weights and Measures Inspector I

MONTEREY COUNTY'S SHARE OF U.S. TOTAL PRODUCTION IN 1994

PERCENT



SOURCE: 1992 CDFA

MONTEREY COUNTY AGRICULTURE 20 YEAR SUMMARY

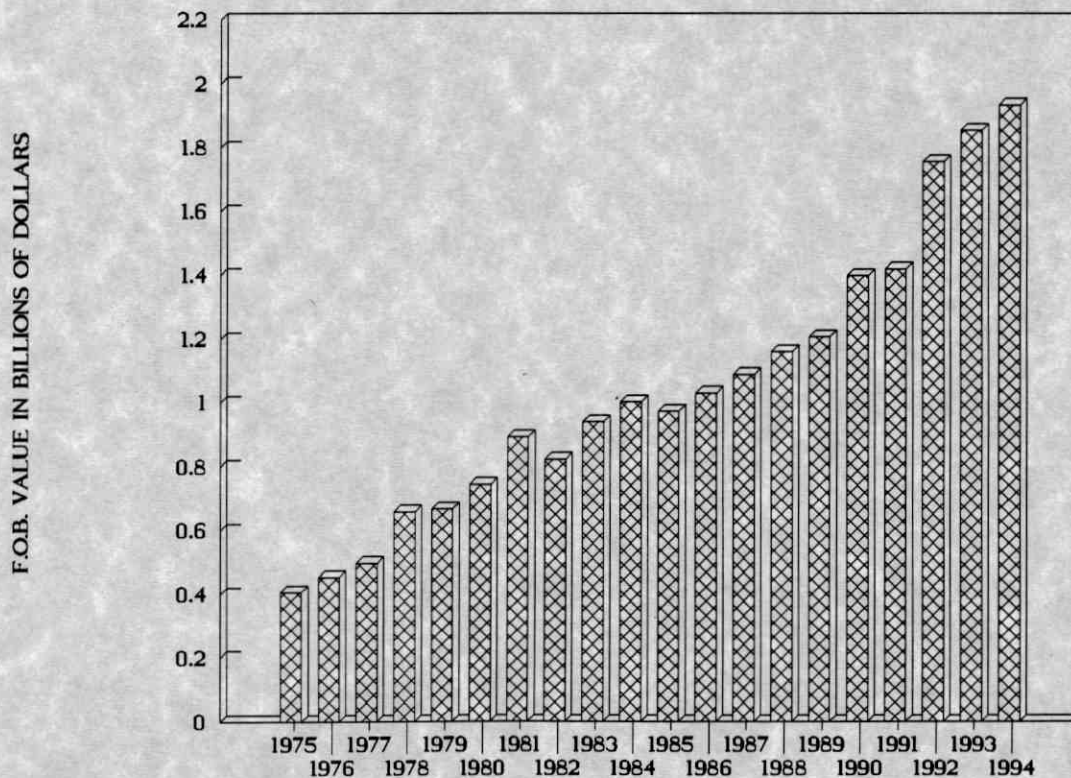


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(F.O.B. values in this report include packing, harvesting, cooling, icing, pallets and any local charges)

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ILLUSTRATIONS: COURTESY OF TOM SPRADLING
REPORT STATISTICS AND LAYOUT: COOPERATIVE EFFORT OF F & V STAFF

APPROXIMATE WEIGHTS USED FOR FRESH MARKET CONVERSION

UNIT/CROP	POUNDS
ANISE	37
APPLES	38
ARTICHOKES	23
ASPARAGUS	32
AVOCADOS	26
BOK CHOY	50
BROCCOLI	23
BRUSSELS SPROUTS	25
BUSHBERRIES	9
CABBAGE, All	50
CARROTS	50
CAULIFLOWER	23
CELERY	60
ENDIVE	25
ESCAROLE	25
KALE	20
KIWI FRUIT	7
LETTUCE, Head	50
LETTUCE, Leaf	25
NAPA	50
ONIONS, Dry	50
ONIONS, Green	13
PARSLEY	21
PEPPERS, Bell	30
RASPBERRIES	6
ROMAINE	37
SALAD PRODUCTS	20
SPINACH	20
SQUASH	30
STRAWBERRIES	12
TOMATOES	25
TOMATOES, Cherry	12

FRUITS AND NUTS



FRUITS AND NUTS

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
APPLES	1994	320	17.78	5,690	TON	\$ 153.25	\$ 872,000
TOTAL	1993	290	15.57	4,515	"	127.35	575,000
Fresh	1994			1,270	"	147.24	187,000
	1993			1,270	"	156.70	199,000
Processing	1994			4,420	"	154.98	685,000
	1993			3,245	"	115.90	376,000
AVOCADOS*	1994	95	3.48	331	"	1,202.40	398,000
	1993	89	2.11	188	"	680.90	128,000
BUSHBERRIES	1994	11	4.73	52	"	1,749.00	90,900
	1993	36	7.58	273	"	2,216.10	605,000
CITRUS FRUIT*	1994	1,038	2.78	2,890	"	378.20	1,093,000
	1993	1,038	2.42	2,510	"	426.70	1,071,000
GRAPES	1994	31,247.07					89,335,000
	1993	31,998.37					101,973,000
KIWI FRUIT	1994	14.5	1.75	25.4	"	2,000.00	50,800
	1993	14.5	3.50	50.8	"	1,280.00	65,000
RASPBERRIES	1994	266	4.14	1,100	"	3,465.00	3,812,000
	1993	530	9.17	4,860	"	3,322.00	16,145,000
STRAWBERRIES	1994	6,995	32.91	230,210	"		231,735,000
TOTAL	1993	7,165	28.46	180,058	"		186,512,000
Fresh	1994			202,498	"	1,029.00	208,370,000
	1993			180,058	"	981.51	176,729,000
Processing	1994			27,684	"	844.00	23,365,000
	1993			23,850	"	385.80	9,201,000
WALNUTS	1994	362	1.00	362	"	1,210.54	438,000
	1993	336	1.34	451	"	1,290.50	582,000
TOTAL ACRES	1994	40,348.57					\$ 327,824,700
	1993	42,677.87					335,087,000
			FRUITS AND NUTS				
			TOTAL VALUE				

*These totals include producing & nonproducing new plantings.

GRAPE SUPPLEMENTARY



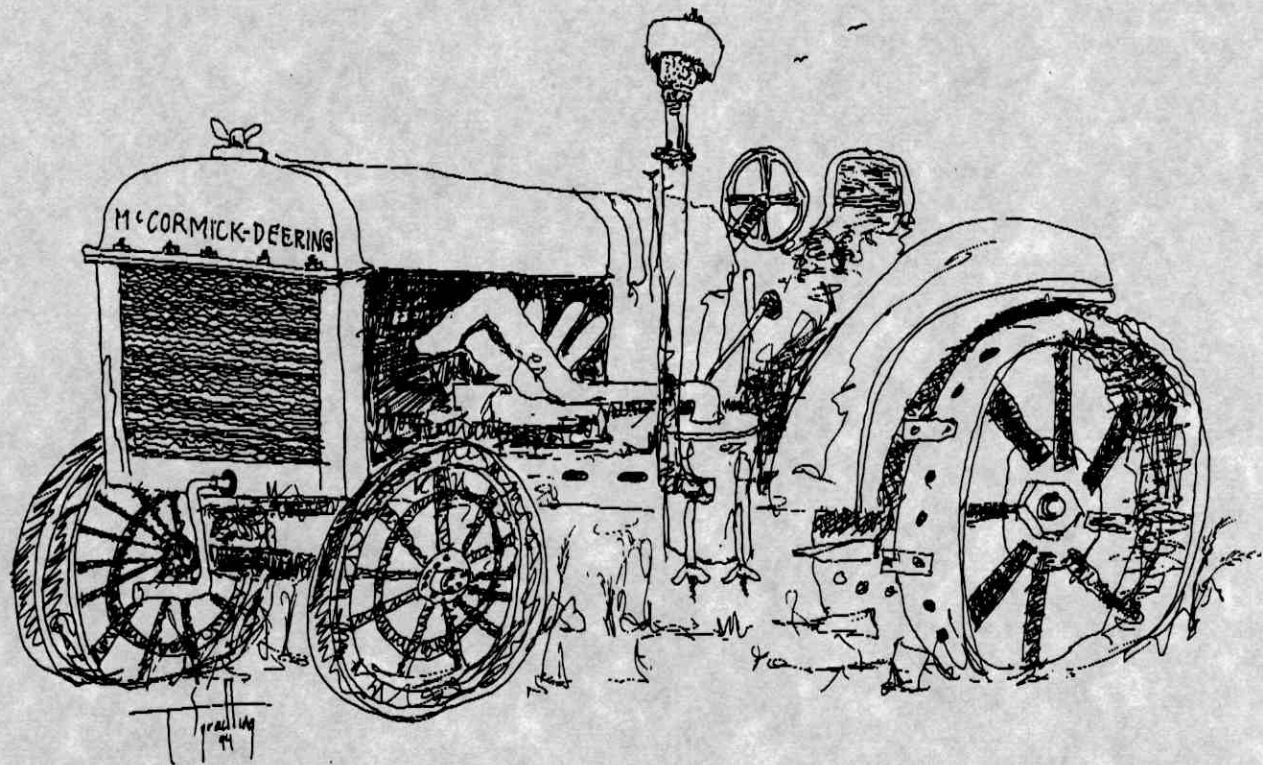
GRAPE SUPPLEMENTARY

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
GRAPES	1994	28,167.21	4.24	119,384.32	TON	\$ 748.30	\$ 89,335,000
Nonbearing or not Harvested		3,079.86					
TOTAL		31,247.07					
GRAPES	1993	26,801.49	5.01	134,407.93	TON	758.68	101,973,000
Nonbearing or not Harvested		5,196.88					
TOTAL		31,998.37					

TOTAL ACREAGE OF WINE GRAPES BY VARIETY

VARIETY	ACRES	AVERAGE PRICE PER TON
Cabernet Franc	197.48	\$ 712.83
Cabernet Sauvignon	3,860.60	864.43
Chardonnay	12,984.00	999.02
Chenin Blanc	1,724.29	358.40
French Colombard	222.49	263.25
Gamay	208.65	477.75
Gamay Beaujolais	193.87	489.00
Gewurztraminer	701.52	604.37
Merlot	2,323.44	982.22
Muscat Blanc/Canelli	187.74	602.50
Petite Sirah	531.41	448.67
Pinot Blanc	849.64	742.39
Pinot Noir	1,484.85	845.38
Sangiovese	82.00	629.50
Sauvignon Blanc	1,533.48	616.37
Semillon	251.92	579.67
Syrah	58.94	833.33
White Riesling	1,758.07	512.08
Zinfandel	1,496.19	550.57
Other Red	227.33	1,011.78
Other White	369.16	728.40
TOTAL ACRES	31,247.07	

VEGETABLE CROPS



VEGETABLE CROPS

CROP	YEAR	ACREAGE	PRODUCTION			F. O .B. VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
ANISE	1994	479	9.54	4,570	TON	\$ 435.23	\$ 1,989,000
	1993	470	12.62	5,930	"	380.00	2,253,000
ARTICHOKES TOTAL	1994	6,680	6.47	43,230	"	828.87	35,832,000
	1993	6,410	6.08	38,970	"	726.28	28,303,000
Fresh	1994			31,000	"	1,018.23	31,565,000
	1993			28,000	"	894.50	25,046,000
Processing (Regular)	1994			10,880	"	389.00	4,232,000
	1993			8,420	"	379.00	3,191,000
Processing (Culls)	1994			1,350	"	25.90	35,000
	1993			2,550	"	25.90	66,000
ASPARAGUS	1994	3,940	2.47	9,730	"	1,543.88	15,022,000
	1993	4,180	2.45	10,238	"	1,467.10	15,020,000
BOK CHOY	1994	720	17.50	12,600	"	279.60	3,523,000
	1993	943	16.13	15,210	"	259.70	3,950,000
BROCCOLI TOTAL	1994	57,210	7.26	415,199	"	654.74	271,847,000
	1993	58,905	7.44	438,242	"	518.12	227,061,000
Fresh	1994			356,000	"	603.74	214,931,000
	1993			375,000	"	476.70	178,763,000
Food Service	1994			25,199	"	1,772.62	44,668,000
	1993			21,962	"	1,499.00	32,921,000
Processing	1994			34,000	"	360.24	12,248,000
	1993			41,280	"	372.50	15,377,000
BRUSSELS SPROUTS TOTAL	1994	730					3,044,000
	1993*	938					3,648,000
Fresh	1994	243	4.16	1,010	"	506.93	512,000
	1993*	139	7.17	997	"	741.23	739,000
Processing	1994	487	10.90	5,310	"	476.84	2,532,000
	1993	799	7.58	6,060	"	480.00	2,909,000

*Corrected figures

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O .B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
CABBAGE, All	1994	1,710	18.60	31,800	TON	\$ 205.94	\$ 6,549,000
	1993	1,720	16.05	27,600	"	207.60	5,730,000
CARROTS TOTAL	1994	3,307					25,663,000
	1993	4,340					24,611,000
Fresh	1994	967	24.72	23,900	"	220.79	5,277,000
	1993	1,710	23.07	39,450	"	232.10	9,156,000
Food Service	1994			9,600	"	1,361.66	13,072,000
	1993			4,390	"	1,128.90	4,956,000
Processing	1994	2,340	29.85	69,850	"	104.71	7,314,000
	1993	2,630	30.27	79,600	"	131.90	10,499,000
CAULIFLOWER TOTAL	1994	23,174					114,482,000
	1993	23,339					104,565,000
White	1994	20,340	8.11	165,000	"	558.55	92,161,000
	1993	20,540	7.85	161,190	"	531.50	85,672,000
Green	1994	734	7.15	5,250	"	572.14	3,004,000
	1993	839	6.64	5,570	"	556.60	3,100,000
Food Service	1994			6,600	"	2,276.82	15,027,000
	1993			5,092	"	2,204.10	11,223,000
Processing	1994	2,100	4.41	9,270	"	462.78	4,290,000
	1993	1,960	4.40	8,630	"	529.60	4,570,000
CELERY TOTAL	1994	7,857					69,371,000
	1993	8,021					62,898,000
Fresh	1994	7,610	36.66	279,000	"	233.93	65,266,000
	1993	7,760	35.44	275,000	"	212.70	58,493,000
Food Service	1994			2,179	"	1,407.10	3,066,000
	1993			2,793	"	1,182.60	3,303,000
Processing	1994	247	37.45	9,250	"	112.32	1,039,000
	1993	261	35.74	9,328	"	118.10	1,102,000

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		TOTAL UNIT	F. O .B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
CILANTRO	1994	298	10.38	3,094	TON	\$ 554.62	\$ 1,716,000
TOTAL	1993	454	12.40	5,629	"	436.30	2,456,000
Fresh	1994			2,940	"	517.00	1,520,000
	1993			5,629	"	436.30	2,456,000
Food Service	1994			154	"	1,272.72	196,000
	1993*						
GARLIC	1994	580	9.78	5,670	"	1,374.43	7,793,000
	1993	807	9.70	7,830	"	1,525.00	11,941,000
HERBS**	1994	45	5,289	238,000	BUNCH	4.23	1,007,000
	1993	135	3,607	487,000	"	3.60	1,753,000
KALE	1994	1,020	8.70	8,865	TON	742.13	6,579,000
TOTAL	1993	970	6.88	6,675	"	659.60	4,403,000
Fresh (All)	1994			8,480	"	680.19	5,768,000
	1993			6,390	"	608.00	3,885,000
Food Service	1994			385	"	2,106.49	811,000
	1993			285	"	1,817.50	518,000
LEEKS	1994	347	13.60	4,720	"	530.72	2,505,000
	1993	317	13.61	4,315	"	623.60	2,691,000
MISCELLANEOUS							
VEGETABLE	1994	3,083					32,254,000
TOTAL	1993	3,257					22,054,000
Fresh***	1994	2,295					14,268,000
	1993	2,720					12,917,000
Food Service****	1994			3,570	"	4,217.64	15,057,000
	1993			4,900	"	1,223.10	5,993,000
Processing*****	1994	788					2,929,000
	1993	537					3,144,000
MUSHROOMS	1994			39,509,000	LBS	1.01	39,904,000
	1993			44,734,000	"	1.00	44,734,000

*No production in 1993

**Includes: Chervil, Dill, Oregano, Rosemary, Sage, Thyme, etc.

***Includes Beans, Beets, Cactus Pears, Cardone, Chives, Corn, Cucumbers, Daikon, Edible Flowers, Fava Beans, Fresh Peas, Gourds, Green Peppers, Kohlrabi, Parsnips, Peppers, Pimentos, Pumpkins, Rappini, Turnips, etc.

****Includes: Onions, Radish, Mixed Vegetables, etc.

*****Includes: Asparagus, Bushberries, Cabbage, Cilantro, Jalapeno, Dry Onions, Pimentos, Raspberries, Squash

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		F. O. B. VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
LETTUCE, Head 1994							
Spring		23,903					
Summer		22,706					
Fall		26,738					
Naked Pack				18,738,000	CTN	\$ 6.50	\$ 121,797,000
Wrapped Pack				21,505,000	"	8.00	172,040,000
Bulk for Shredding				15,195,000	"	5.02	76,279,000
Bulk for Whole Cored Lettuce				20,500	"	7.80	160,000
SEASON TOTAL		73,347	756.12	55,459,000	"	6.6766	370,276,000
LETTUCE, Head 1993							
Spring		24,440					
Summer		23,070					
Fall		25,255					
Naked Pack				20,410,000	CTN	\$ 6.41	\$ 130,828,000
Wrapped Pack				21,971,000	"	7.91	173,791,000
Bulk for Shredding				12,566,000	"	3.93	49,384,000
Bulk for Whole Cored Lettuce				238,000	"	7.60	1,809,000
SEASON TOTAL		72,765	758.40	55,185,000	"	6.4476	355,812,000
HEAD LETTUCE 1994		73,347	756.12	55,459,000	CTN	\$ 6.6766	\$ 370,276,000
TOTALS 1993		72,765	758.40	55,185,000	"	6.4476	355,812,000

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BUTTER LETTUCE	1994	2,380	836.55	1,991,000	CTN	\$ 5.60	\$ 11,150,000
	1993	3,260	769.63	2,509,000	"	5.80	14,552,000
GREEN LEAF	1994	7,700	829.09	6,384,000	"	5.54	35,367,000
	1993	9,690	790.51	7,660,000	"	5.40	41,364,000
ENDIVE	1994	456	831.14	379,000	"	5.41	2,050,000
	1993	445	640.45	285,000	"	5.00	1,425,000
ESCAROLE	1994	384	833.33	320,000	"	5.78	1,850,000
	1993	362	660.22	239,000	"	4.90	1,171,000
RED LETTUCE	1994	3,390	850.15	2,882,000	"	5.63	16,226,000
	1993	3,990	802.76	3,203,000	"	5.40	17,296,000
ROMAINE	1994	20,810	820.18	17,068,000	"	4.24	72,368,000
	1993	12,510	755.48	9,451,000	"	6.00	56,706,000
LEAF LETTUCE	1994	35,120	826.42	29,024,000	CTN		\$ 139,011,000
TOTALS	1993	30,257	771.62	23,347,000	"		132,514,000

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LETTUCE CROP	1994	108,467	HEAD & LEAF LETTUCE	\$ 509,287,000
TOTALS	1993	103,022	TOTAL VALUE	488,326,000

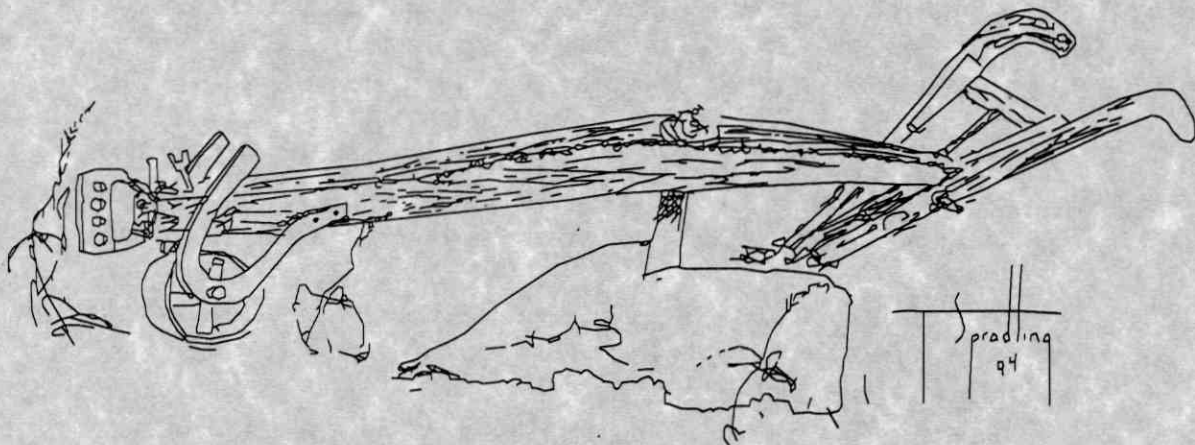
VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
NAPA	1994	770	19.74	15,200	TON	\$ 373.20	\$ 5,673,000
	1993	934	19.97	18,650	"	260.40	4,856,000
ONIONS, Dry	1994	685	29.05	19,900	"	218.90	4,356,000
	1993	777	27.80	21,600	"	384.90	8,314,000
ONIONS, Green	1994	1,050	9.93	10,430	"	982.65	10,249,000
	1993	1,260	10.20	12,850	"	796.40	10,234,000
PARSLEY TOTAL	1994	1,830					7,126,000
	1993	1,583					5,981,000
Fresh	1994	716	8.32	5,960	"	580.00	3,457,000
	1993	653	9.16	5,980	"	497.30	2,974,000
Dry (Processing)	1994	1,114	2.60	2,900	"	1,156.13	3,353,000
	1993	930	2.81	2,615	"	1,149.90	3,007,000
Food Service	1994			226	"	1,398.23	316,000
PEPPERS, Bell TOTAL	1994	893					3,911,000
	1993	893					3,200,000
Fresh	1994	371	10.97	4,070	"	472.33	1,922,000
	1993	538	9.42	5,070	"	423.90	2,149,000
Processing	1994	522	16.67	8,700	"	228.62	1,989,000
	1993	355	14.34	5,090	"	206.50	1,051,000
PEPPERS, Chili Dry	1994	4,781	2.89	13,840	"	1,235.55	17,100,000
	1993	5,215	3.04	15,870	"	1,166.20	18,508,000
POTATOES	1994	1,000	20.00	20,000	"	150.00	3,000,000
	1993	1,460	17.75	25,915	"	180.00	4,665,000
RADICCHIO	1994	910	8.53	7,760	"	675.52	5,242,000
	1993	820	8.59	7,040	"	461.10	3,246,000
RADISH	1994	952	5.50	5,240	"	711.26	3,727,000
	1993	738	6.06	4,470	"	730.00	3,263,000
SALAD PRODUCTS Shredded	1994			17,737,000	CTN	8.15	144,557,000
	1993*			14,700,000	"	7.80	114,660,000

*Corrected Figure

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION			F. O. B. VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
SPINACH	1994	5,640	12.57	70,900	TON	\$ 714.63	\$ 50,667,000
TOTAL	1993	5,670	13.69	77,650	"	549.07	42,635,000
Fresh	1994			34,900	"	621.32	21,684,000
	1993			24,200	"	548.20	13,266,000
Food Service	1994			11,000	"	2,324.82	25,573,000
	1993			10,100	"	2,361.00	23,846,000
Processing	1994			24,974	"	136.54	3,410,000
	1993			43,350	"	127.40	5,523,000
SQUASH, Fresh	1994	420	12.62	5,300	"	362.40	1,921,000
	1993	530	12.43	6,590	"	350.10	2,307,000
TOMATOES	1994	3,440					17,778,000
TOTAL	1993	4,175					27,932,000
Fresh	1994	2,630	17.60	46,300	"	357.62	16,558,000
	1993	3,675	17.07	62,720	"	426.50	26,750,000
Processing	1994	600	33.33	20,000	"	61.00	1,220,000
	1993	500	41.12	20,560	"	57.50	1,182,000
TOMATOES	1994	210	6.67	1,400	"	682.86	956,000
Cherry	1993	230	6.70	1,540	"	759.70	1,170,000



TOTAL ACRES	1994*	242,228	VEGETABLE CROPS	\$ 1,424,630,000
	1993	243,764	TOTAL VALUE	1,325,264,000

*Total acreage represents multiple plantings.

F.O.O.D. CROPS

The Central Coast of California is one of the richest agricultural areas in the world producing billions of dollars worth of food. The existence of hunger seems improbable, yet very real. An estimated 14% of the 600,000 population in Monterey, Santa Cruz and San Benito Counties are poor and nutritionally at risk. A huge invisible population of poor and hungry people live where food production is a mainstay of the economy. A national survey indicates 20% of the food in America is lost between the food producer and the table.

In response to the problem locally, members of the agricultural industry and the food assistance network put their heads and efforts together to come up with a solution. Agricultural leaders wanted to end the waste of perfectly good produce going to landfill when it could be feeding thousands of people and help balance the diets of those on low and fixed incomes. Discussions with representatives from the food assistance network and agricultural community led to the concept of a hotline service and the formation of F.O.O.D. Crops.

Food Organizations Organizing Distribution of Crops is nonprofit and designed to solicit and distribute fresh produce to those in need. The program is simple and effective. F.O.O.D. Crops provides growers and shippers with a single point of contact to make produce donations. F.O.O.D. Crops handles the logistics and relays the information to one of four member agencies. One phone call to 800-331-3663 will assure that the produce is picked up and distributed within the tri-county area to 71,000 people each month. The four agencies that network through F.O.O.D. Crops are the Food Bank of Monterey County, the California Grey Bears, the Community Pantry of Hollister and the 2nd Harvest Food Bank, which serves Santa Cruz & San Benito Counties. These agencies then distribute to 180 smaller agencies including emergency food programs, soup kitchens, homeless shelters and child and senior programs.

In 1994 over 60 donors provided 5.2 million pounds of fresh vegetables and fruits to the food assistance network. F.O.O.D. Crops was so successful that its member agencies were able to share their abundance of produce with other parts of the state.

F.O.O.D. Crops operates a gleaning program in which a gleaning coordinator works with growers who donate fields to be gleaned by volunteers. Gleaning is the picking of crops left in the field after harvest and donating them to the hungry. It provides an excellent way for community volunteers to learn about agriculture while providing a service to those in need. Products gleaned range from lettuce, celery, broccoli, zucchini, etc.. The gleaned produce is also distributed among the member agencies.

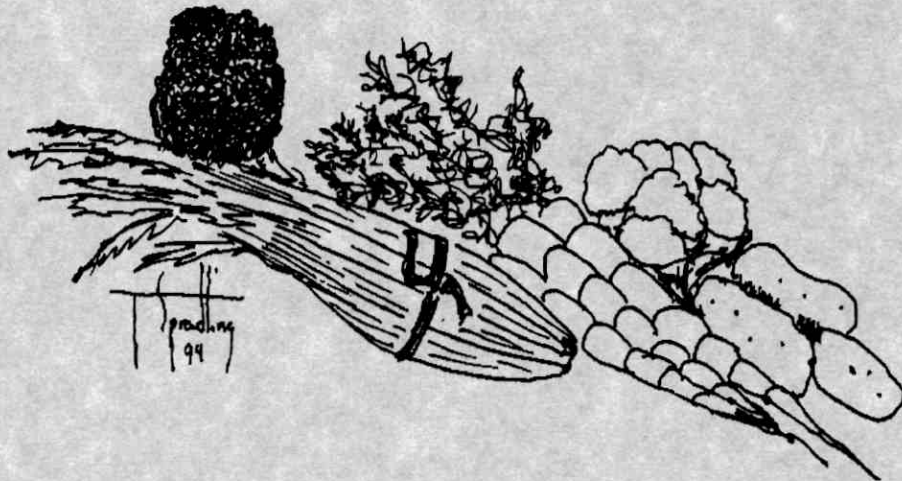
Volunteers for this project come from a wide range of backgrounds and ages. Seniors have worked side by side with school aged children. A glean usually takes about 2.5 hours, just about the right amount of time to enjoy the sun and exercise at any age. F.O.O.D. Crops always welcomes volunteers to glean the fields. If interested call the office at 1-800-331-FOOD to volunteer. Field owners who donate their fields for gleaning are protected under the Good Samaritan law from liability.

F.O.O.D. Crops received approval from the Growers-Shippers Vegetable Association of Central California to be the organization of choice regarding company and industry efforts to supply fresh produce to victims of national disasters in times of crisis.

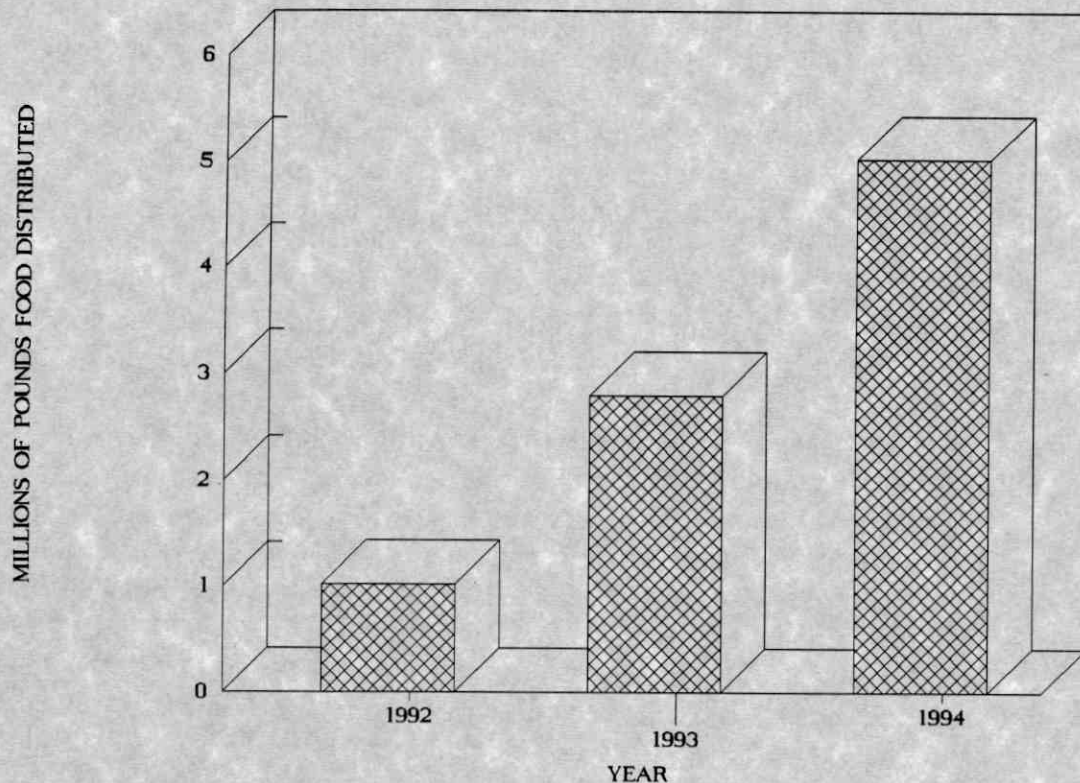
F.O.O.D. Crops has been able to grow, in a few short years, into a flourishing local agency feeding people throughout California. This has been due to the strong commitment of the agricultural industry who not only provide the agency with produce but support the working operations through the agency's fund-raisers. Grants from local foundations have helped to provide a seasonal driver and to purchase a truck, which alleviates a burden on the food banks.

If you are interested in more information on the agency or how you can get involved in the fight against hunger please call 800-331-FOOD.

LESLIE SUNNY, executive director



F.O.O.D CROPS YEARLY COMPARISONS



F.O.O.D CROPS DONORS LIST

A & D Christopher Ranch
Abbott Street Properties
Anderson Farms
Associated Produce
B & P Packing Company, Inc.
Bayview Packing Company
Boggiatto Produce, Inc.
Bruce Church Inc.
C & V Vegetable Farms
Cal Organic Farms
Calif. Artichoke & Veg. Growers
Central Coast Cooling
Coke Farms, Inc.
Cool Pacific
Coronet Foods, Inc.
Denice & Felice Packing Co., Inc.
Dole Fresh Vegetable, Inc.
Driscoll Strawberry Associates
Duda California
Earthbound Farms, Inc.
European Vegetable Specialties

Express Cooling Company
Frank Capurro & Son
Fresh Choice Produce
Fresh jExpress Incorporated
Fresh Valley Produce, Inc.
Fresh Western Marketing, Inc.
Freshco
G & A Produce Sales
Gem Vegetable Company
Globas Precorp
Growers Vegetable Express
Harris Moran Seed Company
Lee Brands, Inc.
Mann Packing Co., Inc.
Marinovich
Merrill Farms
Meyer Tomatoes
Mills Distributing Company
Mission Packing
Mission Sales Company
Monterey Bay Packing Company

Neil Bassetti Farms
Norcal Crosetti
Nunes Company
Pacific Fresh Marketing, Inc.
Paul's Pak, Inc.,
Premier Farms
Quail Mountain Herbs
Royal Packing Company
Sakata Seed America Inc.
Salyer American jFresh Foods
Santa Lucia Farms
Silva harvesting, Inc.
Skip's consolidation
Stewart Packing Company
Sun Ridge Marketing
Tanimura & Antle, Inc.
TKO Farms, Inc.
Tom Bengard Ranch, Inc.
Tom Borchard
Tri-Counties Packing Corp.
Watsonville Pre-Cool

MONTEREY COUNTY DAIRY HISTORY

It's 7:30 a.m.! After four hours of work you just came in for breakfast, each morning is the same. This scene happens everyday; Sundays, holidays, Mother's Day, or any other morning if you are a Dairyman coming in from your morning milking or chores.

Things have changed drastically from those first few cows that Father Kino, a Jesuit priest, brought in 1769 from Sonora, Mexico into what is now California. The cows provided milk and cheese for the people of the newly established missions.

The dairy industry is California's number one agricultural money maker, surpassing all other agricultural related industries. Evolving from a few cows roped and milked by hand to spacious milk factories, California leads the U. S. in milk production. Hundreds of cows per hour are milked by machines, with each cow producing 20,000 pounds of milk per year. Milk is cooled by refrigeration units (35 -38 F.) and transported daily by milk trucks throughout our state. We have automatic take-off milking machine meters to monitor milk weight which are fed into computers. We have computer neck tags to monitor feed to individual cows based on their milk production. Dairying is big business day in and day out.

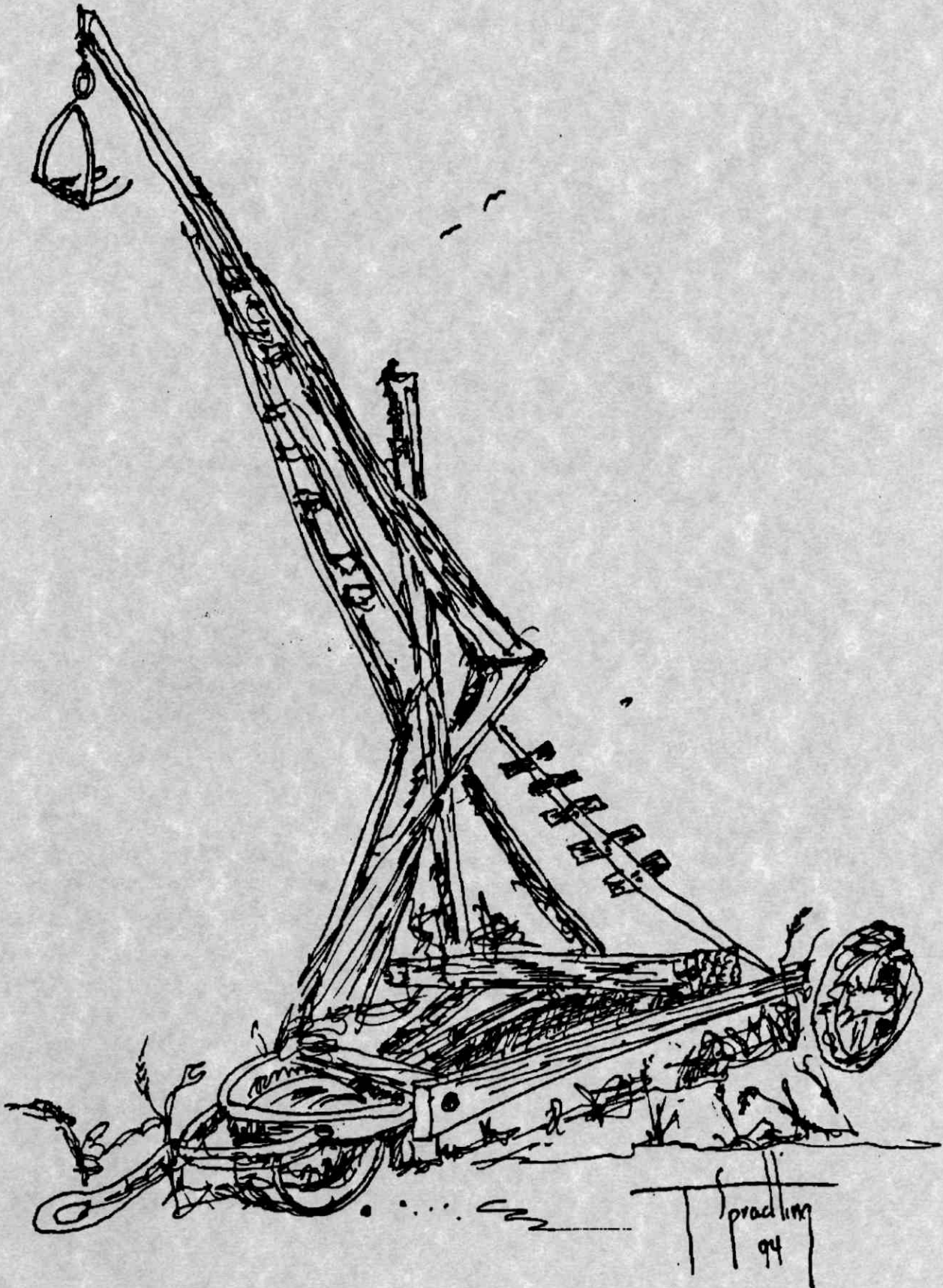
A large percentage of today's cows are bred artificially with frozen semen from bulls with proven characteristics to improve milk production, milk components (fat and protein), animal type and many more traits too numerous to mention. We also have invitro-transfer where cows are super-ovulated with follicle stimulates to produce multiple follicles. After fertilization embryos are non-surgically removed and put into surrogate cows that were given prostaglandin, which synchronizes ovulation to match that of the donor cow. We also look forward to invitro-fertilization, cloning and gene-splicing.

Monterey County's dairy history dates back to the 1860's. During the 1880's Swiss immigrants settled in the Salinas Valley to work on the dairies. Most of the milk was used for cheese or butter. In 1892 Jack cheese was first produced on a ranch near Monterey. After Monterey Jack cheese gained popularity factories sprang up in all parts of the state. In the early 1900's Gonzales became a dairy stronghold by building the Alpine Condensory. Seven thousand milk cows were being milked in the Gonzales area alone. During the 1930's lettuce and sugar beets began taking over the Salinas Valley and the dairy industry started to dwindle. Thus was the short-lived stronghold that the Salinas Valley had as a leading dairy area of California.

Today Monterey County has less than ten (10) dairy farms with a total of about 4,500 cows, down from the industry's high of 25,000 during its heyday in the early 1920's.

JOHN SCHOCH

FIELD CROPS



FIELD CROPS

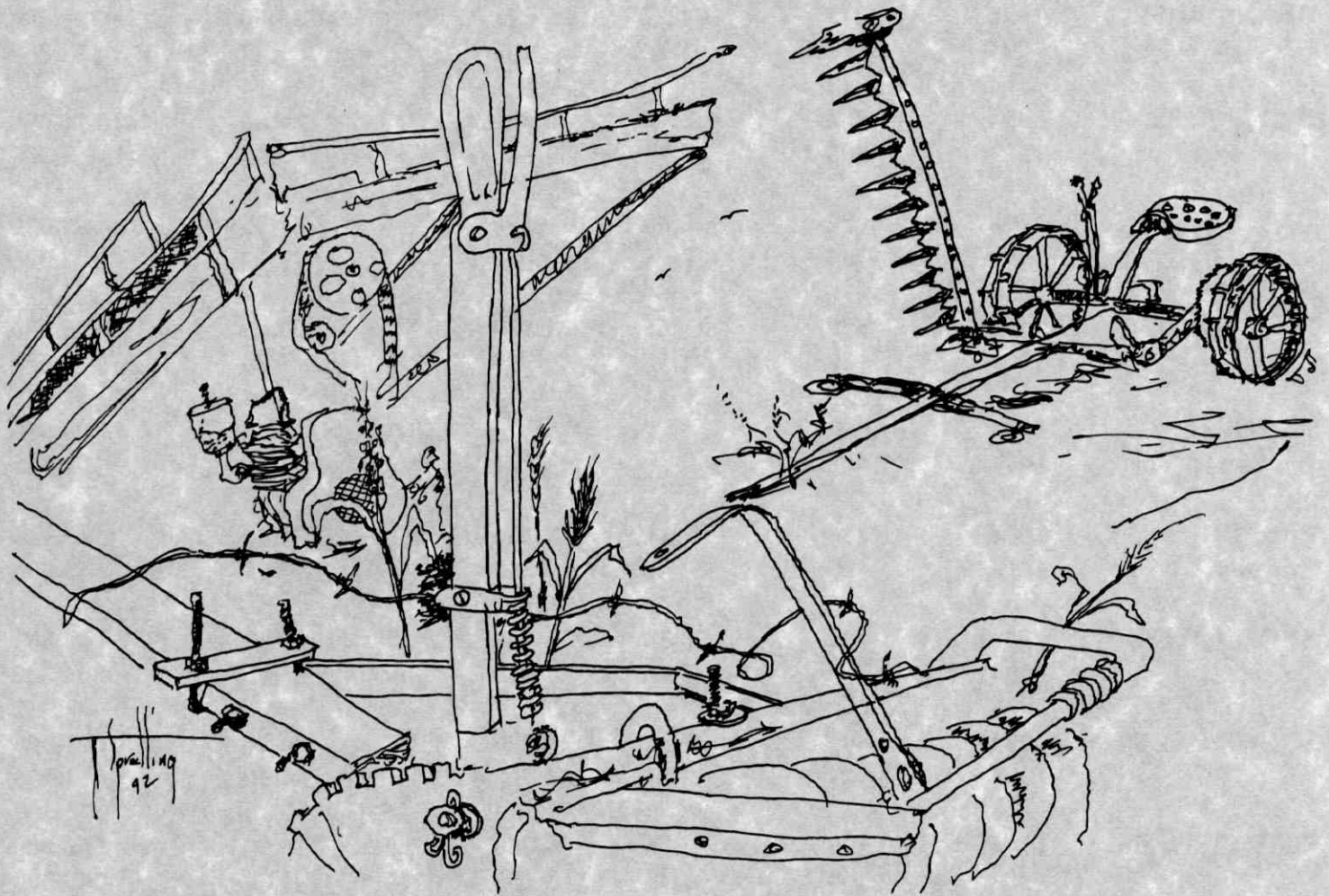
CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BARLEY, Grain	1994	15,800	0.91	14,400	TON	\$ 104.00	\$ 1,498,000
	1993	11,000	1.20	13,200	"	95.60	1,262,000
BEANS, Dry Large Lima	1994	1,915	1.23	2,350	"	1,090.00	2,562,000
	1993	950	0.92	870	"	1,039.10	904,000
BEANS, MISC. Dry	1994	245	1.27	311	"	739.60	230,000
	1993	119	1.18	141	"	723.40	102,000
HAY, Alfalfa	1994	1,984	6.70	13,300	"	126.00	1,676,000
	1993	1,993	5.92	11,800	"	120.00	1,416,000
HAY, Barley	1994	3,400	2.80	9,520	"	85.00	809,000
	1993	743	2.75	2,040	"	144.10	294,000
HAY, Oat	1994	670	1.66	1,110	"	90.00	100,000
	1993	640	1.55	992	"	247.00	245,000
PASTURE Dry Land	1994	1,107,500			ACRE	6.50	7,199,000
	1993	1,107,500			"	6.50	7,199,000
PASTURE Irrigated	1994	230	1AU*	230	"	144.00	33,100
	1993	500	1AU*	500	"	144.00	72,000
SAFFLOWER	1994	400	0.34	136	"	263.40	35,800
	1993	2,700	0.70	1,890	"	287.80	544,000
SUGAR BEETS**	1994	1,400	32.86	46,000	TON	34.80	1,601,000
	1993	1,313	33.61	44,125	"	34.30	1,513,000
WHEAT, Grain	1994	3,500	1.36	4,760	"	119.00	566,000
	1993	2,300	1.46	3,358	"	104.00	349,000
MISC***	1994	376					58,700
TOTAL ACRES	1994	1,137,420			FIELD CROPS		\$ 16,368,600
	1993	1,129,758			TOTAL VALUE		13,900,000

*AU = 1000 LB animal unit: Formula 1AU/Acre/Year @ \$12.00/month x \$12/month = \$144/year x 500 AU = \$72,000

** Total acreage represents multiple plantings.

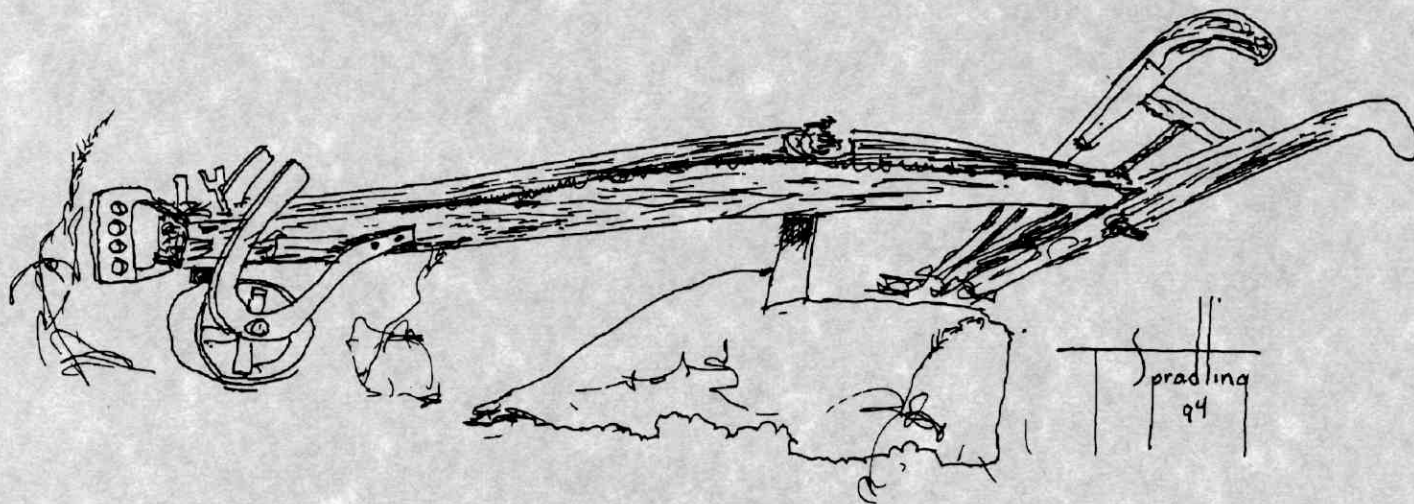
***Includes Oat, Grain and Wheat hay.

SEED CROPS



SEED CROPS

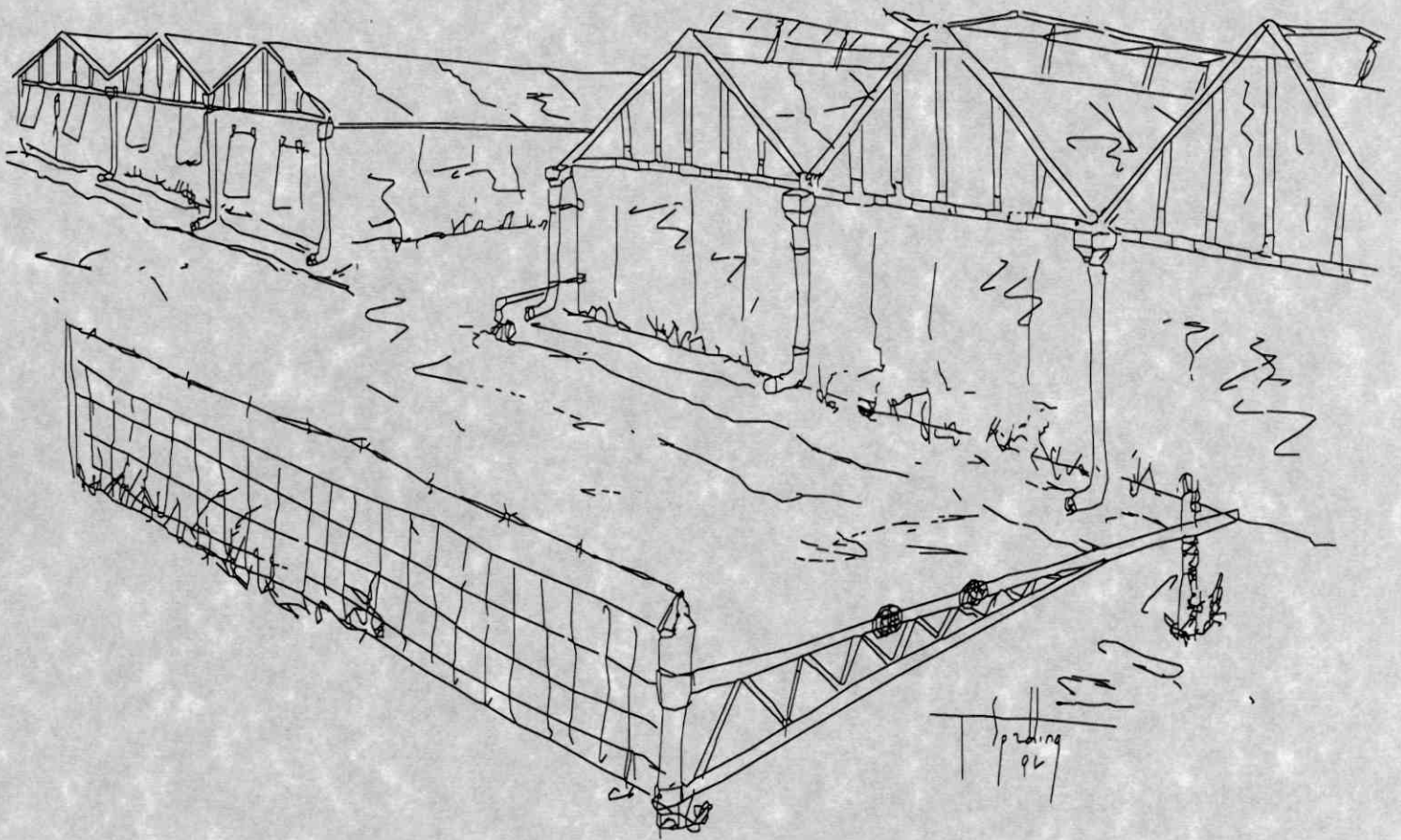
CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BEANS, All	1994	2,980	1.23	3,670.00	TON	\$ 1,240.00	\$ 4,551,000
	1993	2,970	1.27	3,760.00	"	1,270.00	4,775,000
BROCCOLI	1994	144	0.10	14.00	"	45,018.00	630,000
	1993	144	0.06	8.52	"	49,530.50	422,000
CAULIFLOWER	1994	90	0.34	30.25	"	45,000.00	1,361,000
	1993	166	0.14	23.00	"	44,478.30	1,023,000
MISC. SEED*	1994	2,321					927,000
	1993	1,340					1,159,000



TOTAL ACRES	1994	5,535	SEED CROPS	\$ 7,469,000
	1993	4,620	TOTAL VALUE	7,379,000

*Misc. Seed includes Asparagus, Barley, Cabbage, Carrots, Corn, Celery, Flower, Grass, Kale, Native grasses, Oats, Parsley, Peas, Peppers, Radish, Wheat.

NURSERY CROPS



NURSERY CROPS

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
GREENHOUSE CUT FLOWERS			BLOOMS SOLD	PER BLOOM	
ROSE	1994	139.60	71,581,000	\$ 0.24	\$ 17,179,000
	1993	180.40	81,304,000	0.23	18,700,000
MINIATURE ROSE	1994	13.30	17,573,000	0.175	3,075,000
	1993	12.40	14,060,000	0.16	2,250,000
CARNATION	1994	164.90	91,229,000	0.135	12,316,000
	1993	189.80	114,829,000	0.13	14,928,000
CHRYSANTHEMUM (Standard)	1994	18.60	4,596,000	0.46	2,114,000
	1993	17.40	4,509,000	0.43	1,939,000
GARDENIA	1994		108,000	0.93	100,000
	1993		87,000	1.40	122,000
ORCHID	1994		95,000	2.10	200,000
	1993		120,000	2.20	264,000
			BUNCHES SOLD	PER BUNCH	
CARNATION (Miniature)	1994	39.60	2,646,000	1.31	3,466,000
	1993	43.60	2,401,000	1.27	3,049,000



TOTAL INDOOR CUT FLOWERS	1994	376.00	INDOOR CUT FLOWERS	\$ 38,450,000
	1993	443.60	TOTAL VALUE	41,252,000

NURSERY CROPS - Continued

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
FIELD GROWN CUT FLOWERS			BUNCHES SOLD	PER BUNCH	
ALSTROEMERIA	1994	27.60	1,317,000	\$ 1.61	\$ 2,120,000
	1993	30.80	1,078,000	1.58	1,703,000
EUCALYPTUS	1994	449.90	2,883,000	2.30	6,631,000
	1993	432.40	2,654,000	2.30	6,104,000
GYPSOPHILIA	1994	4.20	52,500	1.94	102,000
	1993	2.75	34,800	1.95	68,000
IRIS	1994	45.70	1,022,000	1.68	1,717,000
	1993	46.05	1,540,000	1.23	1,894,000
SEAFOAM	1994	5.60	18,000	2.00	36,000
	1993	3.50	20,000	1.55	31,000
SNAPDRAGON	1994	11.30	858,000	1.00	858,000
	1993	5.20	514,000	0.78	401,000
STATICE	1994	59.60	637,000	1.27	809,000
	1993	60.70	702,000	1.00	702,000
POTTED PLANTS			PLANTS SOLD	PER PLANT	
BEDDING PLANTS					
Commercial*	1994	47.10	756,960,000		16,562,000
Vegetable	1993	47.10	739,384,000		17,929,000
ORCHIDS	1994	8.96	289,000	15.63	4,517,000
	1993	8.30	280,000	12.57	3,520,000
POINSETTIA	1994	5.60	1,002,000	4.20	4,208,000
	1993	12.30	1,837,000	4.47	8,211,000
PROPAGATIVE**	1994	35.10	7,030,000		3,600,000
STOCK	1993	25.50	14,760,000		5,412,000

*Includes Broccoli, Celery, Cauliflower, Leeks, Lettuce.

**Includes Bedding plants, Carnations, Grape cuttings, Mums, Roses

NURSERY CROPS - Continued

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
			PLANTS SOLD	PER PLANT	
MISCELLANEOUS*	1994	19.30	6,138,000	\$ 1.75	\$ 10,742,000
Indoor Decorative	1993	54.40	10,932,000	1.36	14,868,000
OUTDOOR	1994	45.90	1,323,000	4.05	5,358,000
Woody Ornamentals	1993	64.80	1,809,000	2.93	5,300,000
MISC FIELD CROPS**	1994	578.00			9,704,000
Succulents, Bulbs	1993	630.30			8,946,000
			TREES SOLD	PER TREE	
CHRISTMAS	1994	83.00	5,620	17.80	100,000
TREES	1993	101.00	9,320	18.67	174,000
TOTAL ACRES***	1994	1,802.86		NURSERY CROPS	\$ 105,514,000
	1993	1,968.70		TOTAL VALUE	116,515,000

*Includes: African Violet, Cyclamen, Dieffenbachia, Ficus sp., Gloxinia, Kalanchoe, Potted Mums, Seasonal potted plants (Easter Lily, etc), Spathiphyllum, Spring bulbs.

**Includes: Agapanthus, Bulbs, Cactus, Cornflower, Column Stock, Curly willow, Dianthus, Foliage, Foxglove, Freesia, Godetia, Heather, Larkspur, Leptospermum, Lilies, Myrtle, Stock, Succulents, Strawflower, Sunflower, Thistles, Tillandsia, Turf, Yarrow, etc.

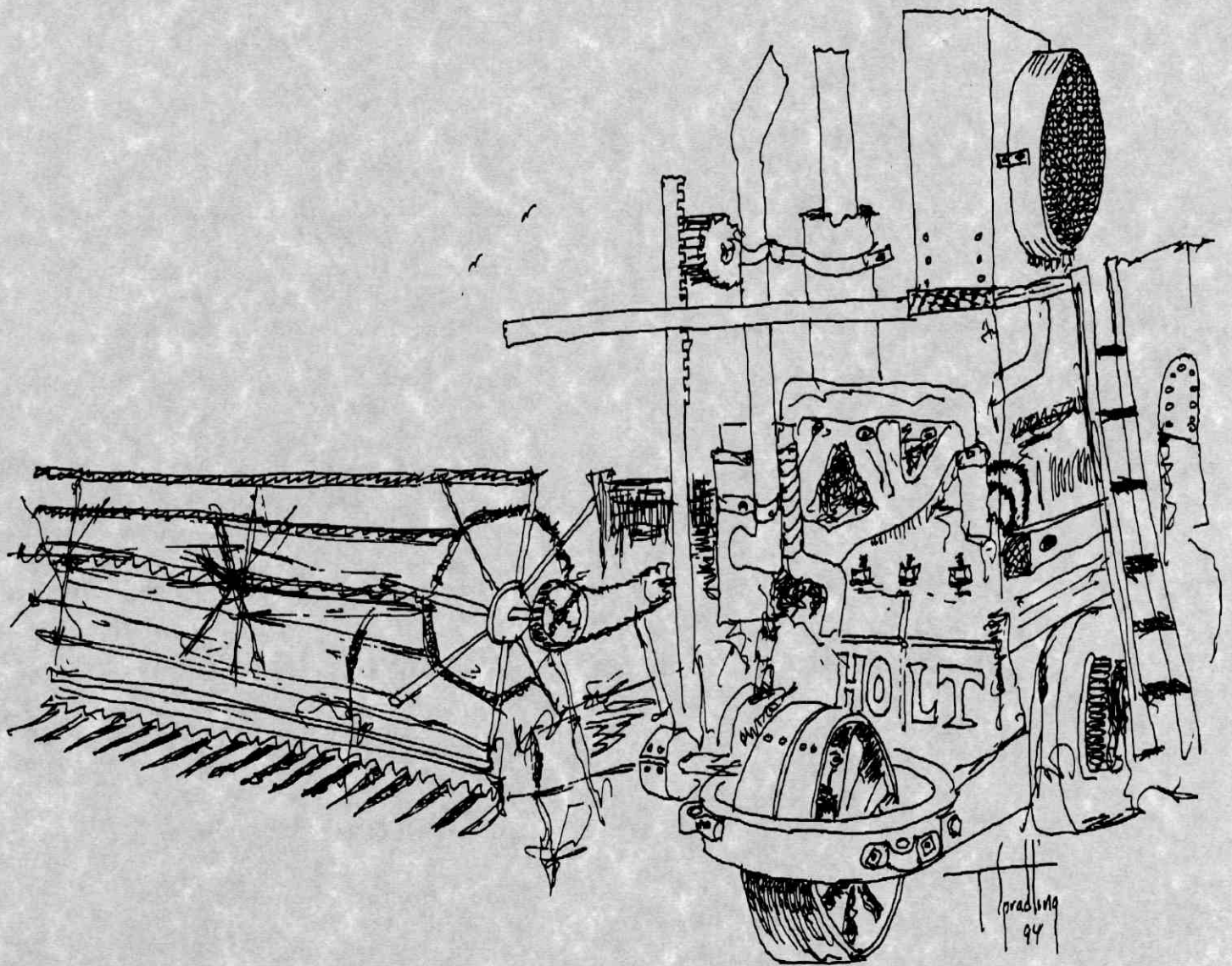
***Total acerage represents multiple plantings.

APIARY

CROP	YEAR	COLONIES	PRODUCTION	UNIT	F.O.B. VALUE	
					PER UNIT	TOTAL
HONEY	1994		42,900	LBS	\$ 0.50	\$ 21,450
	1993		39,000	"	0.50	19,500
POLLINATION*	1994	1,950		COLONY	21.50	41,900
	1993	2,420		"	21.50	52,000
WAX	1994	1,540		LBS	1.00	1,540
	1993	1,400		"	1.00	1,400
	1994			APIARY		\$ 64,890
	1993			TOTAL VALUE		72,900

*Crops Pollinated: Apple, Broccoli, Carrot, Cauliflower, Cucumber, Fava Bean, Melon, Onion, Parsley, Pepper, Spinach, and Squash

LIVESTOCK, POULTRY, & DAIRYING



LIVESTOCK, POULTRY, & DAIRYING

CROP	YEAR	HEAD	PRODUCTION	UNIT	F.O.B. VALUE	
					PER UNIT	TOTAL
BEEF CATTLE	1994	68,500				\$ 24,779,000
TOTAL	1993	69,000				26,833,000
Cattle & Calves	1994	45,000	297,000	CWT	\$ 68.00	20,196,000
	1993	44,500	294,000	"	73.00	21,462,000
Stocker	1994	23,500	58,750	"	78.00	4,583,000
	1993	24,500	61,740	"	87.00	5,371,000
SHEEP & LAMB	1994	2,500	3,500	"	48.00	168,000
	1993	2,000	2,800	"	47.90	134,000
WOOL	1994		15,000	LBS	0.44	6,600
	1993		12,000	"	0.25	3,000
HOGS	1994	1,500	285,000	"	0.47	134,000
	1993	1,000	190,000	"	0.50	95,000
DAIRY	1994	6,250				14,005,600
TOTAL	1993	6,275				14,703,000
Dairying Cows	1994	4,500		HEAD	1,200.00	5,400,000
Breeding Stock	1993	4,500		"	1,300.00	5,850,000
Cull Cows	1994	900		"	650.00	585,000
	1993	875		"	820.60	718,000
Calves	1994	850		"	60.00	51,000
	1993	900		"	90.00	81,000
Fertilizer	1994		20,000	TON	6.00	120,000
	1993		17,000	"	6.00	102,000
Milk, Market	1994		679,241	CWT	11.46	7,784,000
Marketing	1993		691,784	"	11.44	7,914,000
Manufactured	1994		7,273	"	9.02	65,600
	1993		3,479	"	10.90	38,000

LIVESTOCK, POULTRY, & DAIRYING - Continued

CROP	YEAR	HEAD	PRODUCTION	UNIT	F.O.B. VALUE	
					PER UNIT	TOTAL
GOATS	1994	1,000		HEAD		\$ 195,000
TOTAL	1993	2,100		"		137,250
Breeding Stock	1994	500		"	\$ 350.00	175,000
	1993	350		"	250.00	87,500
Cull Goats	1994	100		"	60.00	6,000
	1993	400		"	40.00	16,000
Kids	1994	400		"	35.00	14,000
	1993	1,350		"	25.00	33,750
CHICKENS	1994	452,000		"		2,028,000
TOTAL	1993	564,500		"		2,695,000
Broilers, Fryers, Roasters	1994	450,000	2,880,000	LBS	0.43	1,238,000
	1993	526,000	3,550,000	"	0.38	1,349,000
Meat Hens	1994	2,000	8,760	"	0.56	4,910
	1993	38,500	168,500	"	0.55	93,000
Misc. Poultry*	1994					724,000
	1993					660,000
Eggs	1994		80,000	DOZ	0.76	60,800
	1993		812,000	"	0.73	593,000



1994
1993

**LIVESTOCK, POULTRY & DAIRYING
TOTAL VALUE**

**\$ 41,316,200
44,600,250**

**Includes: Duck Eggs, Ducklings, Fryers, Goslings, Pullets, Quail eggs, etc.*

TREND OF MAJOR CROPS IN MONTEREY COUNTY

CROP	YEAR	ACRES	VALUE
ARTICHOKES	1994	6,680	\$ 35,832,000
Fresh & Processing	1984	9,475	27,291,000
	1974	10,300	13,247,000
BROCCOLI	1994	57,210	271,847,000
Fresh & Processing	1984	57,495	126,502,000
	1974	21,300	18,594,000
CAULIFLOWER	1994	23,174	114,482,000
Fresh & Processing	1984	26,550	79,653,000
	1974	9,265	14,852,000
CELERY	1994	7,857	69,371,000
Fresh & Processing	1984	5,510	26,807,000
	1974	5,275	20,135,000
GRAPES	1994	31,247.07	89,335,000
	1984	29,792.27	42,022,000
	1974	34,746.30	5,076,000
LETTUCE, Head	1994	73,347	370,276,000
	1984	65,162	264,822,000
	1974	54,845	107,705,000
LETTUCE, Leaf	1994	35,120	139,011,000
	1984	6,045	20,353,000
	1974	2,933	6,255,000
MUSHROOMS	1994		39,904,000
	1984		35,147,000
	1974		1,312,000
NURSERY CROPS	1994	1,802.86	105,514,000
	1984	959.80	76,761,000
	1974	318.08	21,716,000
SPINACH	1994	5,640	50,667,000
Fresh & Processing	1984	2,985	5,872,000
	1974	5,040	2,138,000
STRAWBERRIES	1994	6,995	231,735,000
Fresh & Processing	1984	3,245	88,515,000
	1974	2,060	21,976,000

MILLION DOLLAR CROPS 1994

1.	LETTUCE, Head	\$ 370,276,000
2.	BROCCOLI	271,847,000
3.	STRAWBERRIES	231,735,000
4.	LETTUCE, Leaf	139,011,000
5.	CAULIFLOWER	114,482,000
6.	NURSERY, All	105,514,000
7.	GRAPES	89,335,000
8.	CELERY	69,371,000
9.	SPINACH	50,667,000
10.	MUSHROOMS	39,904,000
11.	ARTICHOKES	35,832,000
12.	MISCELLANEOUS VEGETABLES	32,254,000
13.	CARROTS	25,663,000
14.	CATTLE	24,779,000
15.	TOMATOES	17,778,000
16.	PEPPERS, Chili	17,100,000
17.	ASPARAGUS	15,022,000
18.	ORGANIC	11,515,000
19.	ONIONS, Green	10,249,000
20.	GARLIC	7,793,000
21.	MILK, MARKET	7,784,000
22.	SEEDS, All	7,469,000
23.	PASTURE, Dry Land	7,199,000
24.	PARSLEY	7,126,000
25.	KALE	6,579,000
26.	CABBAGE, All	6,549,000
27.	NAPA	5,673,000
28.	DAIRYING COWS	5,400,000
29.	RADICCHIO	5,242,000
30.	ONIONS, Dry	4,356,000
31.	PEPPERS, BELL	3,911,000
32.	RASPBERRIES	3,812,000
33.	RADISH	3,727,000
34.	BOK CHOY	3,523,000
35.	BRUSSELS SPROUTS	3,044,000
36.	POTATOES	3,000,000
37.	BEANS, Dry	2,562,000
38.	LEEKs	2,505,000
39.	CHICKENS	2,028,000
40.	ANISE	1,989,000
41.	SQUASH	1,921,000
42.	CILANTRO	1,716,000
43.	HAY, Alfalfa	1,676,000
44.	SUGAR BEETS	1,601,000
45.	BARLEY, Grain	1,498,000
46.	CITRUS FRUIT	1,093,000
47.	HERBS	1,007,000

SUMMARY

FRUITS & NUTS	1994		\$ 327,824,700								
	1993		335,087,000								
VEGETABLE CROPS	1994		1,424,630,000								
	1993		1,325,264,000								
FIELD CROPS	1994		16,368,600								
	1993		13,900,000								
SEED CROPS	1994		7,469,000								
	1993		7,379,000								
NURSERY CROPS	1994		105,514,000								
	1993		116,515,000								
APIARY	1994		64,890								
	1993		72,900								
LIVESTOCK, POULTRY, AND DAIRYING	1994		41,316,200								
	1993		44,600,250								
ORGANIC	1994		11,515,000								
	1993		10,879,000								
<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 35%;"></td> <td style="width: 15%;">1994</td> <td style="width: 15%;">SUMMARY</td> <td style="width: 35%; text-align: right;">\$ 1,934,702,390</td> </tr> <tr> <td></td> <td>1993</td> <td>TOTAL</td> <td style="text-align: right;">1,853,697,150</td> </tr> </tbody> </table>					1994	SUMMARY	\$ 1,934,702,390		1993	TOTAL	1,853,697,150
	1994	SUMMARY	\$ 1,934,702,390								
	1993	TOTAL	1,853,697,150								

MONTEREY COUNTY EXPORTS TOP 20 PRODUCE SUMMARY 1994

PRODUCE	1992 POUNDS	1993 POUNDS	1994 POUNDS
1. BROCCOLI	122,909,000	127,849,000	150,681,000
2. LETTUCE, Head	164,308,000	181,759,000	134,389,000
3. CELERY	98,590,000	71,913,000	67,910,000
4. ONIONS, Dry	7,814,000	18,754,000	65,124,000
5. LETTUCE, Leaf	35,567,000	54,622,000	38,219,000
6. TOMATOES	25,236,000	22,663,000	24,368,000
7. STRAWBERRIES	33,899,000	26,927,000	21,329,000
8. CAULIFLOWER	28,195,000	31,994,000	20,627,000
9. CARROTS	26,829,000	17,420,000	19,142,000
10. RADICCHIO	1,137,000	1,728,000	3,316,000
11. CABBAGE, All	2,621,000	2,618,000	3,255,000
12. ANISE	2,568,000	3,312,000	3,131,000
13. ARTICHOKEs	4,490,000	3,220,000	2,939,000
14. SALAD MIX	9,316,000	11,645,000	2,858,000
15. ASPARAGUS	3,099,000	2,787,000	2,232,000
16. SPINACH	1,161,000	2,547,000	2,047,000
17. RAPPINI	1,067,000	1,332,000	1,821,000
18. GARLIC	1,320,000	1,360,000	1,205,000
19. ONIONS, Green	2,575,000	3,563,000	967,000
20. PEPPERS, All	1,267,000	2,014,000	893,000
TOTAL FOR ALL PRODUCE EXPORT			570,457,000
ALL SEED	9,332,000	7,958,000	8,859,000
NURSERY STOCK			
CUT FLOWER (Number of Stems)	4,683,000	2,804,000	1,442,000
OTHER NURSERY PLANTS (Ornamental & Transplants)	8,652,000	30,213,000	37,748,000

SUMMARY OF PRODUCE EXPORTS BY COUNTRY 1994

	POUNDS
1. CANADA	215,482,000
2. JAPAN	189,832,000
3. HONG KONG	53,353,000
4. MEXICO	51,619,000
5. TAIWAN	40,595,000
6. REPUBLIC OF KOREA	22,354,000
7. SINGAPORE	10,791,000
8. UNITED ARAB EMIRATES	3,513,000
9. UNITED KINGDOM	3,009,000
10. INDONESIA	2,092,000
11. NETHERLANDS	1,149,000
12. SWEDEN	847,000
13. FINLAND	684,000
14. MALAYSIA	525,000
15. PHILIPPINES	518,000
16. SWITZERLAND	425,000
17. VIETNAM	415,000
18. GERMANY	414,000
19. SAUDI ARABIA	390,000
20. ARGENTINA	369,000

SUMMARY OF SUSTAINABLE AGRICULTURAL ACTIVITIES

PEST	AGENT/MECHANISM	SCOPE OF PROGRAM (1)
COUNTY BIOLOGICAL CONTROL		
Yellow Starthistle, <i>Centaurea solstitialis</i>	Seedhead Weevil & Fly..... <i>Bangasternus orientalis</i> <i>Eustenopus villosus</i> <i>Urophora sirunaseva</i>	4 sites
Italian thistle, <i>Carduus</i> spp.	Seedhead Weevil..... <i>Rhinocyllus conicus</i>	3 sites
Russian thistle, <i>Salsola australis</i>	Leaf & stem mining moths..... <i>Coleophora</i> spp.	7 sites
Puncture vine, <i>Tribulus terrestris</i>	Stem & Seed weevils..... <i>Microlarinus</i> spp.	General distribution, local redistribution
Aphid species	Seven-spotted lady beetle..... <i>Coccinella septempunctata</i>	1 site
Lettuce root aphid, <i>Pemphigus bursarius</i>	Alternate host destruction.....	1134 poplar trees removed
Ash whitefly, <i>Siphoninus phillyrae</i>	Parasitic wasp..... <i>Encarsia inaron</i>	General distribution
PEST ERADICATION		
Taurian thistle, <i>Onopordum tauricum</i>	Mechanical/chemical.....	293 plants removed
Scotch thistle, <i>Onopordum acanthium</i>	Mechanical/chemical.....	196 plants removed
Dalmatian toadflax, <i>Linaria genistifolia</i> ssp. <i>dalmatica</i>	Mechanical/chemical.....	1 plant treated
Skeletonweed, <i>Chondrilla juncea</i>	Mechanical/chemical.....	7 plants treated
PEST EXCLUSION		
Leafmining moth	Kaffir lime leaves..... rejected/destroyed	1 <i>Phyllocnistis</i> sp.
Kaffir lime leaves	Oriental market.....	1 rejected/destroyed
Q-rated mealbug	Kaffir lime leaves.....	1 rejected/destroyed
Palm mealybug.	Palm fronds.....	1 rejected/destroyed
Q-rated nematode <i>Xiphenema</i> sp.	<i>Bucida buceras</i>	Location quarantined
Pecan weevil <i>Curculio caryae</i>	Pecan/mail shipment.....	1 shipment destroyed

(1) Represents total number of individual sites, plants, etc. incorporated in program effort (surveys, collection, releases, etc.)

PEST MANAGEMENT

Roadside weeds (virus host)	Chemical.....	100 miles, County right-of-ways
Lettuce Mosaic Virus	Seed	Indexing of all County-planted seed

PEST DETECTION

Pest detection is the systematic search for pests outside of a known infested area, or for pests not known to occur in California. The general goal is to detect the insects before they become established over an area so large that eradication is no longer biologically or economically feasible. Detection trapping is performed primarily by the County Agricultural Commissioners' offices.

TARGET PEST	INSECT HOSTS	NO. OF SITES
Medfly	Fruit Trees	236
Melon Fruit Fly	Vegetable Gardens	68
Mexican Fruit Fly	Fruit Trees	103
Oriental Fruit Fly	Fruit Trees	69
Gypsy Moth	Shade Trees.....	213
Japanese Beetle	Turf, Roses.....	123
Africanized Honey Bee	High Risk Area	4
European Corn Borer	Corn.....	4
Nantucket Pine Tip Moth	Monterey Pine.....	11
Trogoderma Beetle	High Hazard Commodities	36

Pest exclusion terminal inspections and pest detection trapping activities accounted for 1,711 hours and 1,738 hours respectively. 443,583 incoming units were inspected, with 61 rejections being written. A total of 4,620 trap servicings were made.

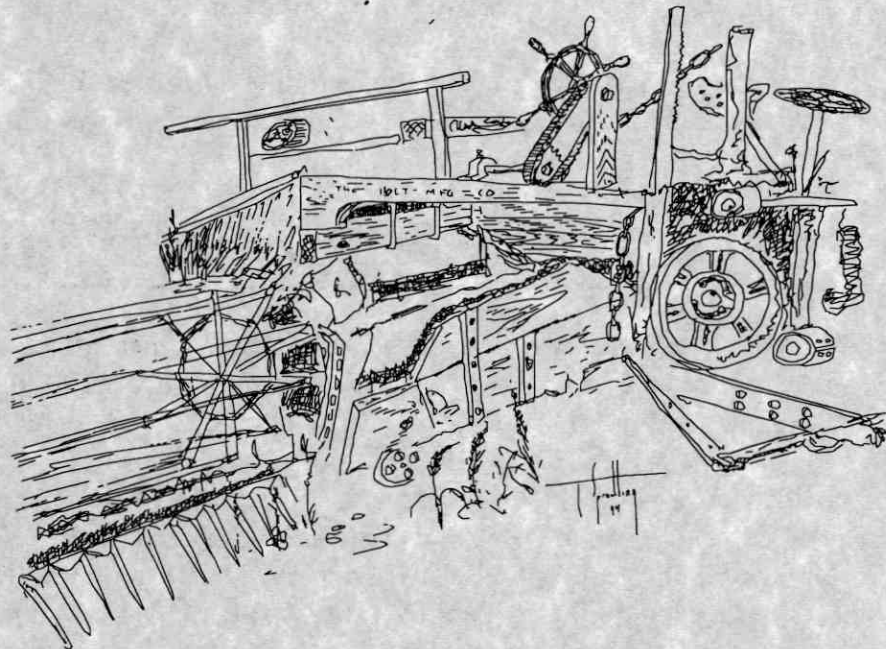
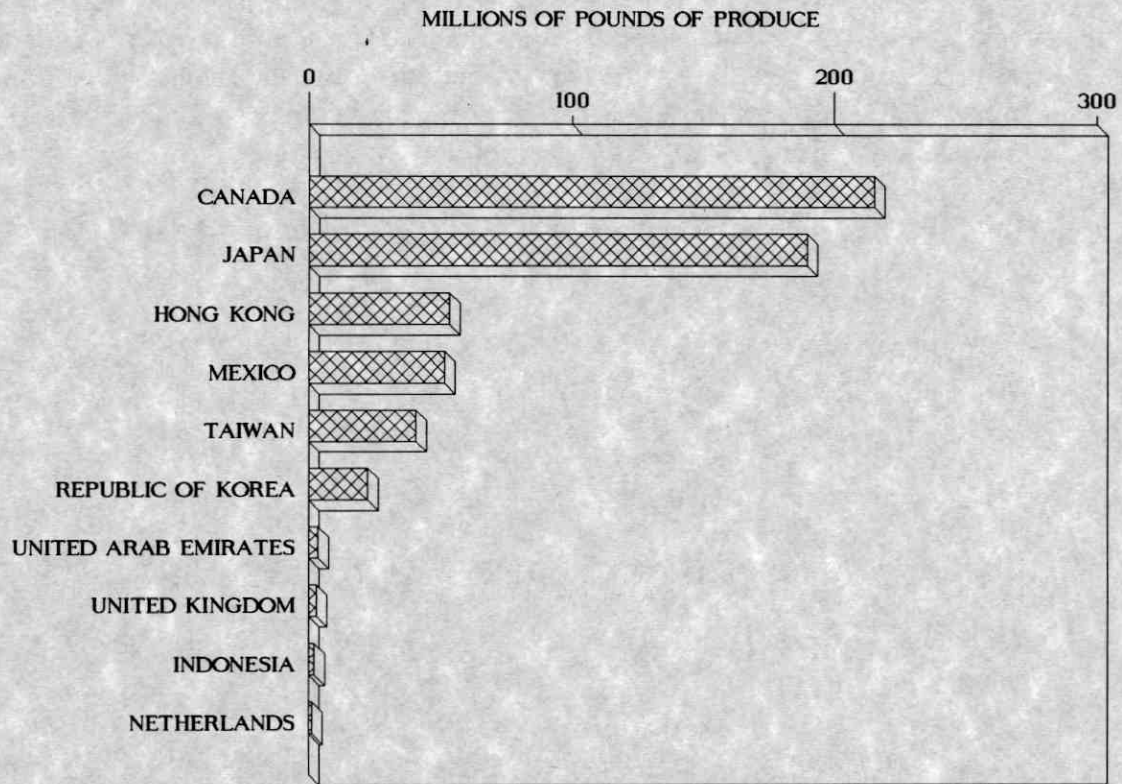
ORGANIC PRODUCTION IN MONTEREY COUNTY

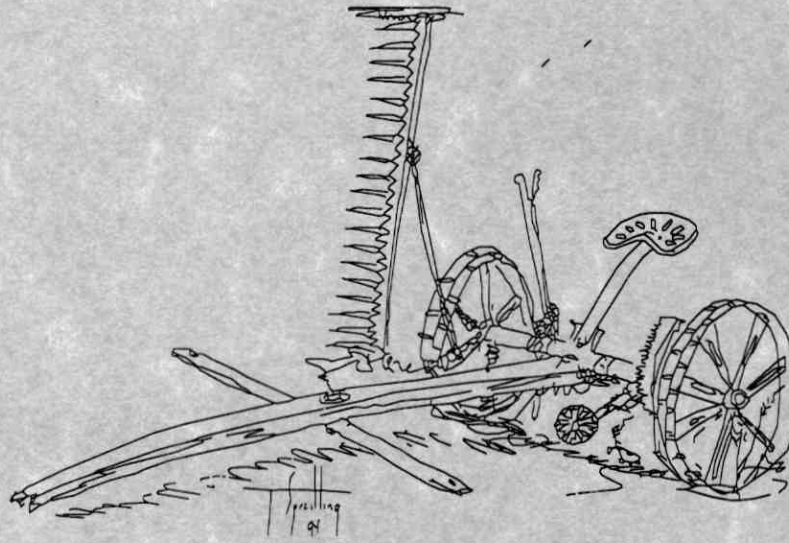
The Organic Foods Act of 1990 now requires organic producers to register in their principal county of operation. The purpose of the legislation and registration is to provide protection for producers, handlers, processors, retailers, and consumers of organic foods marketed in California.

The range of organic products produced in Monterey County is very diverse. These commodities are represented: Apples, Beans, Bok Choy, Broccoli, Cabbage, Carrots, Cauliflower, Celery, Chard, Collards, Corn, Cucumbers, Figs, Garlic, Herbs, Iceberg Lettuce, Kale, Kiwi Fruit, Leaf Lettuce, Leeks, Lemons, Melons, Mixed Salad Greens, Mushrooms, Onions, Oranges, Pears, Peas, Peppers, Parsley, Plums, Potatoes, Radicchio, Radishes, Raspberries, Rhubarb, Salad Greens, Spinach, Squash, Strawberries, Tomatoes, and Walnuts.

There are 28 registered producers in Monterey County who declare a total acreage of 1,092 acres and a total gross value of \$11,515,000.

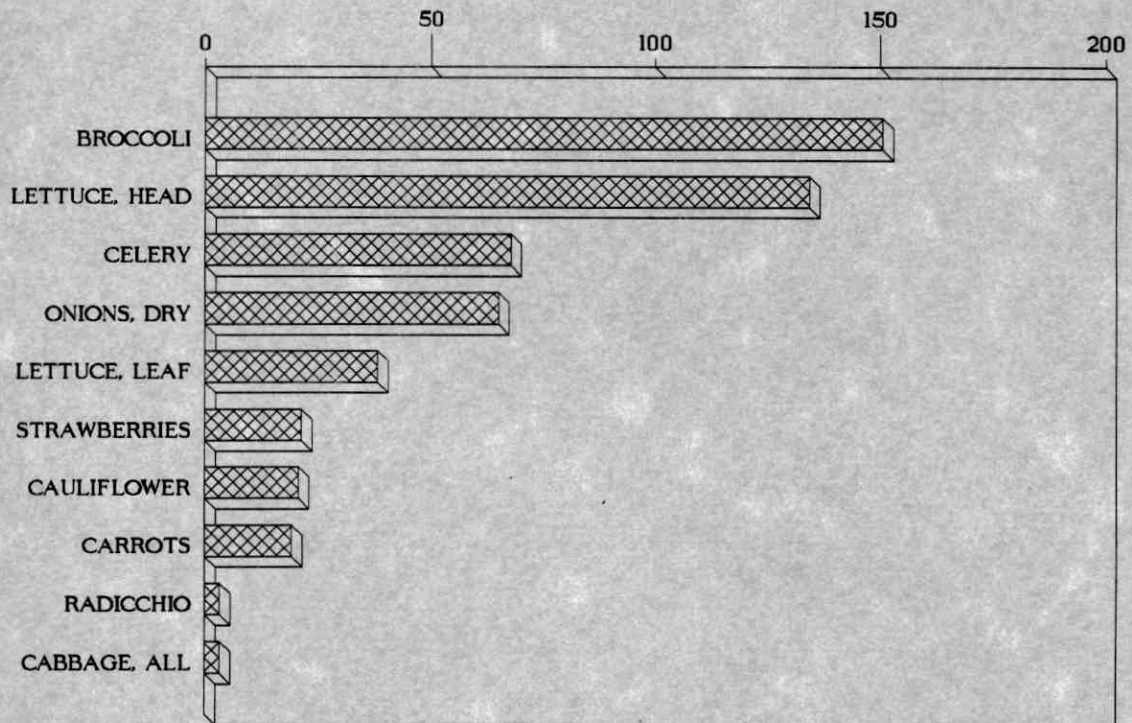
TOP 10 IMPORTING COUNTRIES FOR 1994





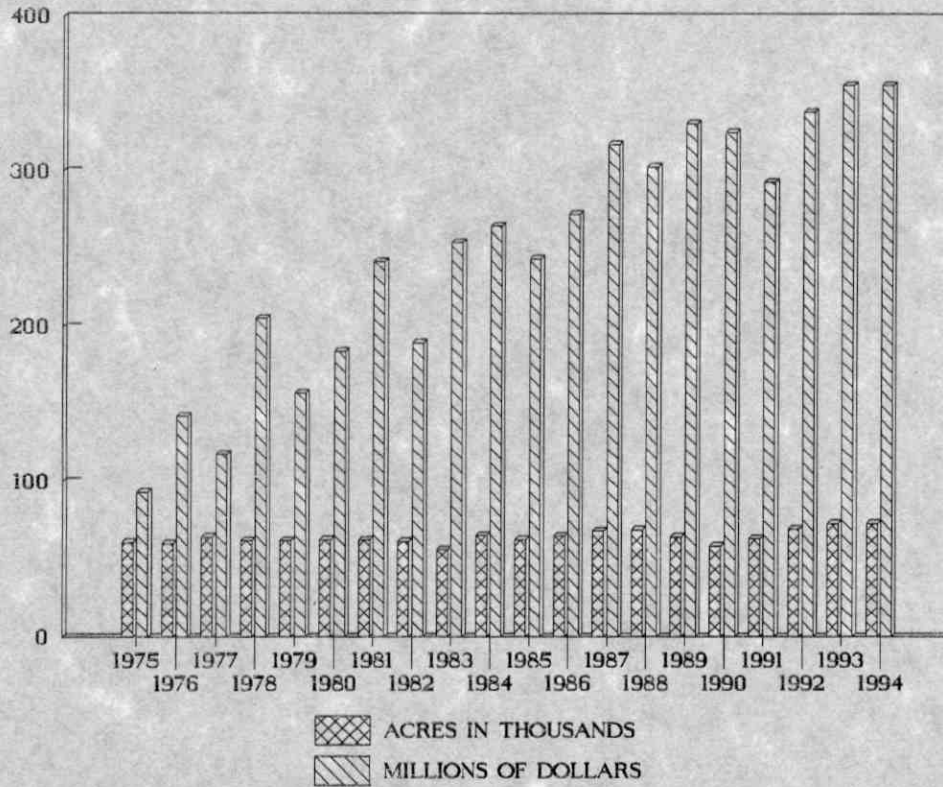
TOP 10 PRODUCE EXPORTS FOR 1994

MILLIONS OF POUNDS PRODUCE



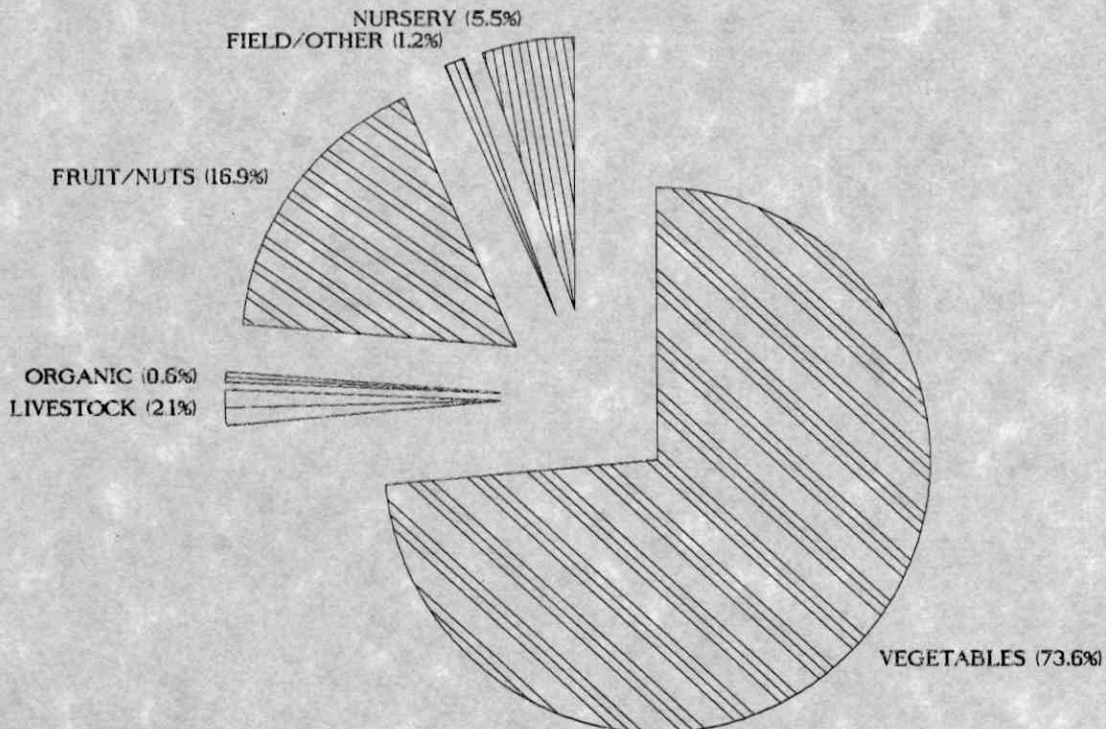
HEAD LETTUCE ACREAGE/VALUE

20 YEAR SUMMARY



MONTEREY COUNTY AGRICULTURE 1994

TOTAL VALUE \$ 1,934,702,390



Richard W. Nutter
Agricultural Commissioner
Monterey County
1428 Abbott Street
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