



1992

MONTEREY COUNTY ANNUAL CROP REPORT



MONTEREY COUNTY

AGRICULTURAL COMMISSIONER

(408) 758-3876 - 120 WILGART WAY - SALINAS, CALIFORNIA 93901
FAX: (408) 422-5003

RICHARD W. NUTTER

AGRICULTURAL COMMISSIONER
ADMINISTRATOR OF WEIGHTS & MEASURES

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

and

The Honorable Board of Supervisors of Monterey County:

- Judy L. E. Pennycook, Chair, First District
- Barbara Shipnuck, Second District
- Tom Perkins, Third District
- Sam Karas, Fourth District
- Karin Strasser Kauffman, Fifth District

In compliance with the provisions of Section 2279 of the California Food and Agricultural Code, I am pleased to submit the Monterey County Agricultural Crop Report for the calendar year 1992.

Another record year was recorded by Monterey County Agriculture for 1992, as the total value increased to an all time high of \$1,755,919,010. This is a remarkable 23.8% increase over the previous year. Early spring markets were generally depressed for most commodities but an unexpected increase in gross sales was primarily responsible for the overall year's substantial gains. At one point Head Lettuce prices exceeded \$10.00 per carton for twelve continuous weeks. Acreage increase and per carton value were responsible for a 15% over all increase for Head Lettuce, which retains its #1 crop status.

Broccoli moved up into the #2 position with over a 20% acreage increase and increased demand by the Food Service market.

Strawberries' value increased over \$40,000,000, primarily due to a 10% acreage increase and a slight increase in fresh market value.

Artichokes', the official County vegetable, increased in total value by nearly \$500,000, while total acreage dropped by over 600.

The total value for the Wine Grapes increased slightly due to an increase in price per ton for premium quality. Several thousand acres are nonbearing and will be phased into full production over the next couple of years. The industry is coping with Grape Phylloxera, with many growers planning on replanting with resistant root stock.

Greenhouse grown Cut Flower values increased primarily due to an increase in acreage, while the field grown stock has recovered from the serious freeze. Foreign imports continue to threaten the existence of many of these crops.

The Livestock Industry value dropped \$9,000,000, its lowest point in many years as the drought continued to be felt throughout this industry.

The drought continued to be the main area of concern during the past year, with growers developing water management plans, implementing water saving practices, and in some cases, coping with sea water intrusion. This however has not impacted on total acreage, nor gross value of products received by growers. The exception being the Livestock Industry and the Dryland farmers who depend on rainfall. Many growers were forced to develop new wells or go to a deeper aquifer.

Prices for Vegetable Crops, while depressed during portions of the season, rebounded enough to allow for a profitable year for many vegetable commodities. Food Service and Salad Product items demand continued to show a dramatic increase.

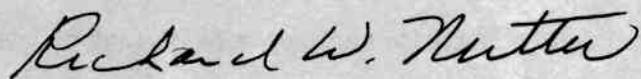
Exports continued to be a bright point in Pacific rim and European common market member countries.

Although overproduction of many commodities kept prices near the break-even point, 1992 was a profitable year for most County growers.

The values represented in this report are gross receipts of the producers, and do not take into account the various costs of production, marketing, or transportation. No attempt is made to reflect net income of the producer.

My thanks to the individuals and firms whose cooperation made this report possible, and to my staff members who coordinated and compiled this report.

Very truly yours,



Richard W. Nutter
Agricultural Commissioner

RWN/slh

We wish to acknowledge the following people for their art contributions to our 1992 Annual Crop Report:

George Cominos
Nye Marnach
Tommy Spradling

AGRICULTURAL COMMISSIONER'S OFFICE

AGRICULTURAL COMMISSIONER

Richard W. Nutter

ASSISTANT AGRICULTURAL COMMISSIONER

Don R. Rochester

SENIOR DEPUTY AGRICULTURAL COMMISSIONER

Frances Pabrua

DEPUTY AGRICULTURAL COMMISSIONERS

Sharon Clark

Robert Roach

Gerry Willey

STAFF BIOLOGIST

Brad Oliver

AGRICULTURAL INSPECTOR/BIOLOGISTS III

Johnny Bunch, Jr.
Lisa Correia

Henry Gonzales
Richard Ordonez

Expedito Ibarbia
Mary Mutz

Victor Pongo
Katherine Smith

Laurel Thomassin

AGRICULTURAL INSPECTOR/BIOLOGISTS II

Estrella Guzman

Paul Josselyn

AGRICULTURAL INSPECTOR/BIOLOGISTS I

Yvette Black

Michael Casey

William Luna

SENIOR AGRICULTURAL AIDE

Tom Cotenias

AGRICULTURAL AIDES

Adrian Balderas
Michael Cunanan

Maria Campos
Eva Mata

Michael Reed
Leslie Sutton

Fernando Torres
Joe Torres

Kristopher Headly
Esther Guedea

ADMINISTRATIVE SUPPORT STAFF

Margaret Stirling
Andrea Polanco
Julia Duran
Patricia Nevarez

Administrative Secretary
Senior Account Clerk
Senior Typist Clerk
Data Entry Operator II

Syble Kinzer
Stacey Hendrix
Nye Marnach
Elizabeth Pamintuan

Senior Typist Clerk
Senior Typist Clerk
Typist Clerk II
Data Entry Operator II

KING CITY BRANCH OFFICE

DEPUTY AGRICULTURAL COMMISSIONER

Frank Scaroni

AGRICULTURAL INSPECTOR/BIOLOGISTS I

Lawrence Mora Harry Nelson William Taylor

AGRICULTURAL INSPECTOR/BIOLOGIST III

Brenda Wolgamott

ADMINISTRATIVE SUPPORT STAFF

Esther Wells Typist Clerk II

MONTEREY BRANCH OFFICE

AGRICULTURAL INSPECTOR/BIOLOGIST III

Robert Bohn

PAJARO BRANCH OFFICE

DEPUTY AGRICULTURAL COMMISSIONER

Kenneth Young

ADMINISTRATIVE SUPPORT STAFF

Pat Bissett Typist Clerk II

AGRICULTURAL INSPECTOR/BIOLOGISTS III

Patricia Murray Charlie Nunez

PRODUCE INSPECTION

PRODUCE INSPECTORS II

Harold Blythe
Maria Cadena-Rice

Danny Garcia
Maureen Harris

Arthur Pemberton
Gail Young

PRODUCE INSPECTORS I

Juanita Adame
Marcile Angelucci
Carl Armento
Elisa Arroyo
Robert Baughn
Ima Brannan

Luz Cadena
Celia Cervantes
Anna Fernandez
Eugenia Ferrel
Linda Finch
Richard Fleming

Wendy Fruichantie
Glenn Goshorn
Jane Grubb
Donald Hacker
Danny Mallobox
Doug McGinn

Sylvia Rodriguez
Lou Splawn
Thomas Spradling
Daniel Stebner
Raymond Stewart
Julie Sumter

William Tarr
Micheal Thorns
Quintion Torres

WEIGHTS AND MEASURES DIVISION

SEALER OF WEIGHTS AND MEASURES

Robert Keadle

Joseph L. Goodrick, Jr. (Retired)

MEASUREMENT STANDARDS INSPECTORS

Robert Hunter Weights and Measures Inspector III
Carol Montgomery Weights and Measures Inspector III
Addison (Tad) Church Weights and Measures Inspector I

MONTEREY COUNTY AGRICULTURE 20 YEAR SUMMARY

F.O.B. VALUE IN BILLIONS OF DOLLARS

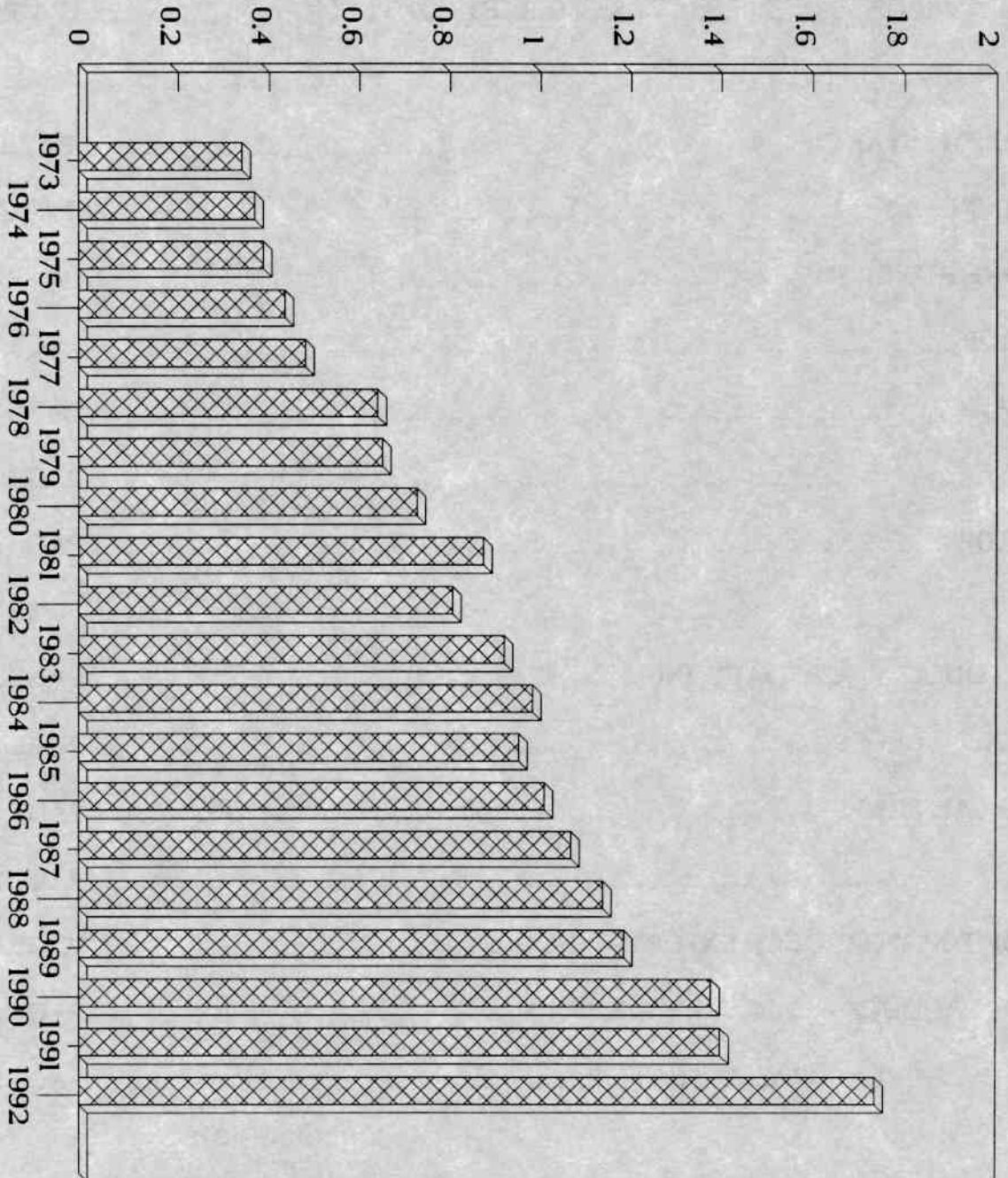


TABLE OF CONTENTS

APPROXIMATE WEIGHTS USED FOR FRESH MARKET CONVERSION.....	PAGE 1
FRUITS AND NUTS	PAGE 3
GRAPE SUPPLEMENTARY	PAGE 5
VEGETABLE CROPS.....	PAGE 7
THE FIRST ONE HUNDRED YEAR.....	PAGE 14
FEATURE CROP	PAGE 16
FIELD CROPS.....	PAGE 19
SEED CROPS.....	PAGE 21
NURSERY CROPS.....	PAGE 23
APIARY	PAGE 25
LIVESTOCK, POULTRY, AND DAIRYING	PAGE 27
TREND OF MAJOR CROPS	PAGE 29
MILLION DOLLAR CROPS	PAGE 30
SUMMARY.....	PAGE 31
SUMMARY OF TOP 20 PRODUCE EXPORTS FOR 1992.....	PAGE 32
SUMMARY OF PRODUCE EXPORTS BY COUNTRY 1992	PAGE 33
SUSTAINABLE AGRICULTURAL ACTIVITIES.....	PAGE 34

APPROXIMATE WEIGHTS USED FOR FRESH MARKET CONVERSION

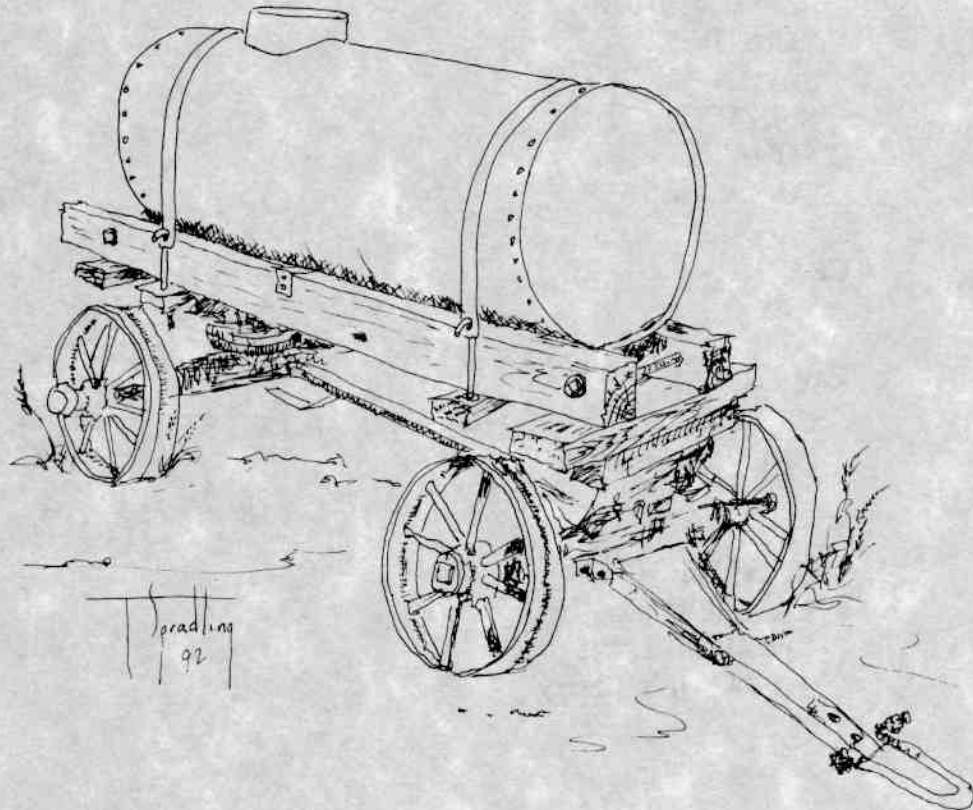
UNIT/CROP	POUNDS
CARTON	
APPLES	38
ARTICHOKES	23
ASPARAGUS	32
AVOCADOS	26
BOK CHOY	50
BROCCOLI	23
BRUSSELS SPROUTS	25
CABBAGE, All	50
CARROTS	50
CAULIFLOWER	23
CELERY	60
ENDIVE	25
ESCAROLE	25
KALE	20
KIWI FRUIT	7
LETTUCE, Head	50
LETTUCE, Leaf	25
NAPA	50
ONIONS, Green	13
PARSLEY	21
PEPPERS, Bell	30
ROMAINE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

FRUITS AND NUTS

The strawberry is indigenous to California and many other parts of the world. The first European explorers found wild strawberries growing in the coastal hills of Monterey County. The indigenous peoples and the first colonists harvested the wild berries. After the gold rush, demand increased and commercial production began.

By the 1860's Monterey County was producing strawberries. Plant breeders developed new and better varieties over the years. Solutions were found for many cultural difficulties such as diseases and the requirements of the plant. Yields increased greatly, from less than 5 tons to over 20 tons per acre. The number of acres of strawberries in the county has been climbing higher than ever. Today it is the third largest crop in terms of gross income and an important export crop.

Monterey County growers are at the cutting edge of new production techniques. Biological and non-chemical pest control methods are widely used. Growers will face a new challenge when the soil fumigant methyl bromide is phased out by the end of the century. The industry is rising to meet this latest challenge as it has the others before it. The search for alternatives is already underway.

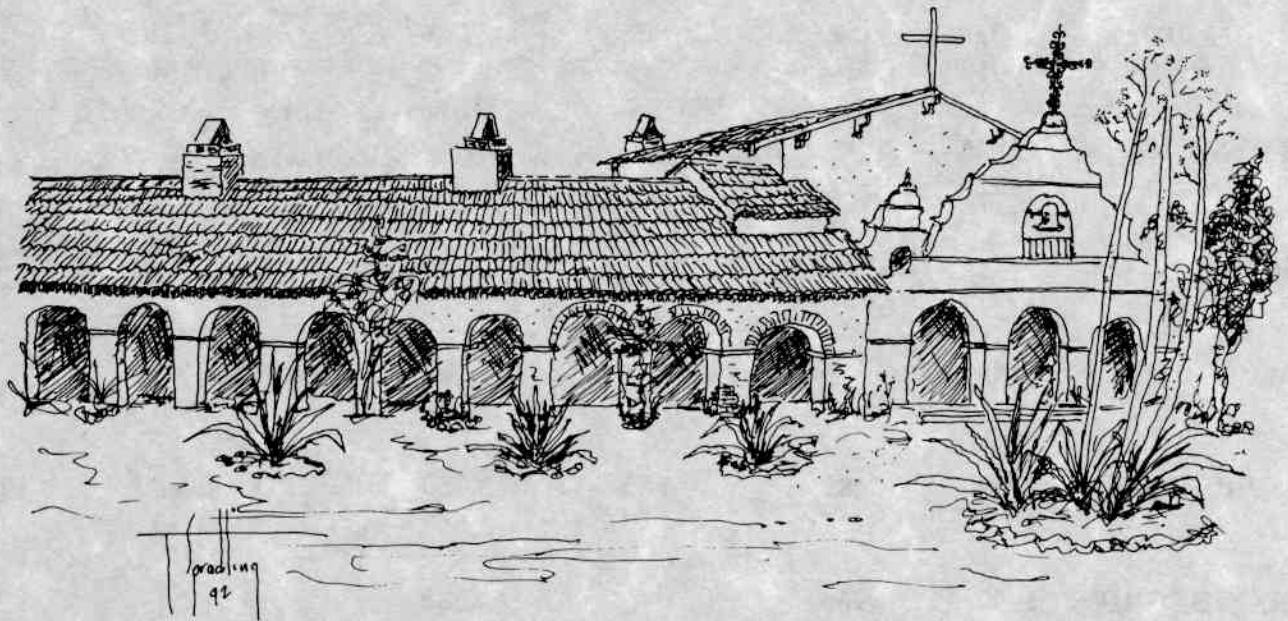


FRUITS AND NUTS

CROP	YEAR	ACREAGE	PRODUCTION		F. O .B. VALUE	
			PER ACRE	TOTAL UNIT	PER UNIT	TOTAL
APPLES	1992	316		3,620 TON		\$ 606,000
TOTAL	1991	318		4,087 "		834,000
Fresh	1992	156	10.71	1,670 "	\$192.00	321,000
	1991	113	10.41	1,176 "	234.00	275,000
Processing	1992	160	12.19	1,950 "	146.00	285,000
	1991	205	14.20	2,911 "	192.00	559,000
AVOCADOS	1992*	41				
	1991*	40				
BUSHBERRIES	1992	82	8.90	730 "	1,831.20	1,337,000
	1991	66	5.96	393 "	2,854.10	1,122,000
CITRUS FRUIT	1992*	591				
	1991*	569				
GRAPES	1992	32,404.12				75,036,000
	1991	33,411.72				73,800,000
KIWI FRUIT	1992	12	3.79	45.5 "	2,800.00	127,000
	1991	12	3.58	43 "	3,000.00	129,000
RASPBERRIES	1992	489	6.85	3,350 "	3,793.10	12,707,000
	1991	737	4.94	3,640 "	3,027.30	11,019,000
STRAWBERRIES	1992	6,960		189,230 "		199,089,000
TOTAL	1991	6,320		170,500 "		158,149,000
Fresh	1992		25.86	180,000 "	1,050.90	189,162,000
	1991		23.26	147,000 "	1,001.80	147,265,000
Processing	1992		2.97	20,700 "	479.55	9,927,000
	1991		3.72	23,500 "	463.55	10,893,000
WALNUTS	1992	334	1.17	392 "	1,303.60	511,000
	1991	334	1.29	432 "	1,016.30	439,000
<hr/>						
TOTAL ACRES	1992	41,206.12	TOTAL VALUE OF FRUITS AND NUTS		\$ 289,413,000	
	1991	41,807.72			245,492,000	

*Insufficient to report due to severe winter freeze, 1991

GRAPE SUPPLEMENTARY



GRAPE SUPPLEMENTARY

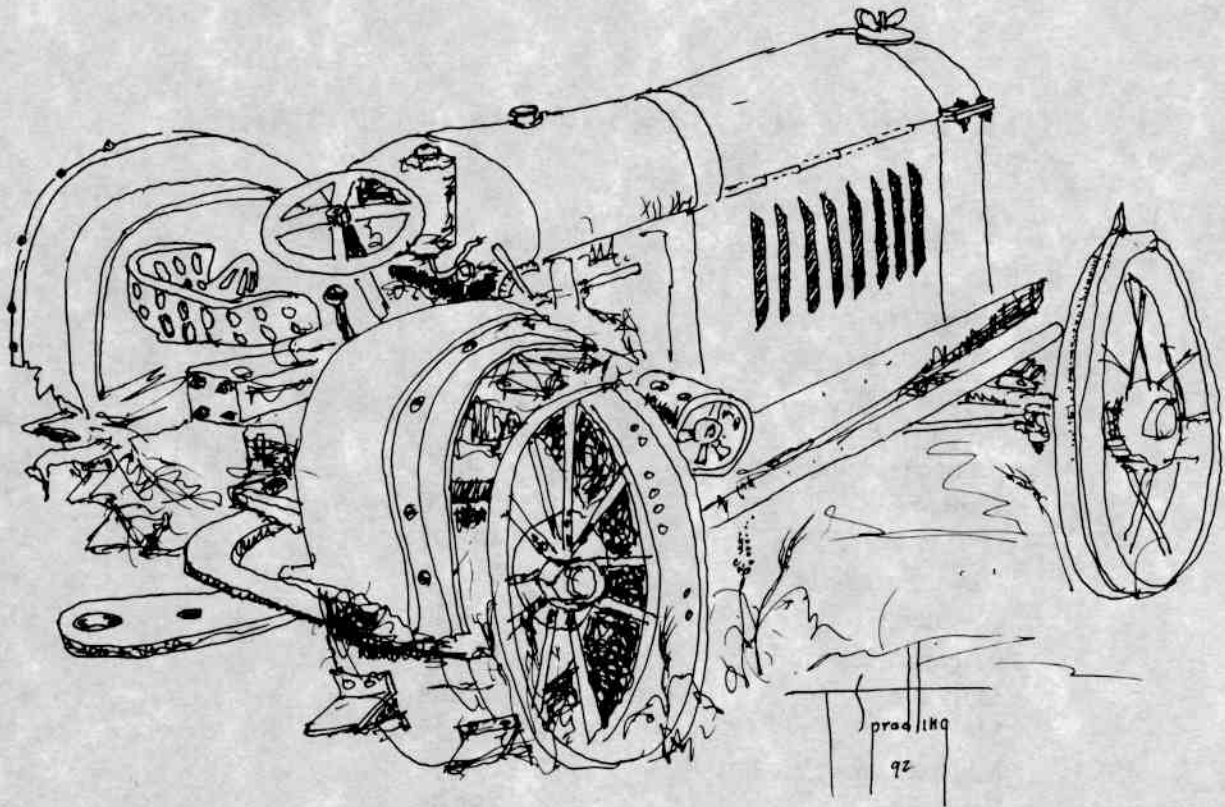
CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O .B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
GRAPES	1992	24,240.90	4.18	101,407.46	TON	\$ 739.95	\$ 75,036,000
Nonbearing or not Harvested		8,163.22					
TOTAL		32,404.12					
GRAPES	1991	24,150.32	4.23	102,074.23	TON	723.00	73,800,000
Nonbearing or not Harvested		9,261.40					
TOTAL		33,411.72					

TOTAL ACREAGE OF WINE GRAPES BY VARIETY

VARIETY	ACRES	AVERAGE PRICE PER TON
Cabernet Franc	170.28	\$ 923.70*
Cabernet Sauvignon	3,354.74	857.79*
Chardonnay	9,328.10	1,187.80*
Chenin blanc	2,968.00	394.50*
French Colombard	196.70	288.67*
Gamay	373.00	472.55
Gamay Beaujolais	491.91	530.08*
Gewurztraminer	910.20	564.70
Grenache	189.60	712.82*
Gray Riesling	125.00	280.15*
Malvasia	227.54	438.28*
Merlot	805.40	1,149.34*
Muscat blanc/Canelli	191.10	526.31
Petite Sirah	751.04	540.85
Pinot blanc	1,230.10	614.26
Pinot noir	1,490.37	667.00
Sauvignon Blanc	1,663.15	623.32*
Semillon	766.90	408.18*
Sylvaner	719.60	337.44
White Riesling	3,643.87	474.68*
Zinfandel	1,704.61	470.92*
Other Red	884.66	443.28
Other White	218.25	939.25
TOTAL ACRES	32,404.12	

*CDFA weighted average price per ton

VEGETABLE CROPS



VEGETABLE CROPS

CROP	YEAR	ACREAGE	PRODUCTION			F. O. B. VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
ANISE	1992	474	12.71	6,026	TON	\$ 416.00	\$ 2,507,000
	1991	450	13.76	6,190	"	489.10	3,028,000
ARTICHOKES TOTAL	1992	6,910					29,560,000
	1991	7,545					29,136,000
Fresh	1992		4.89	33,800	"	791.00	26,736,000
	1991		4.62	34,900	"	721.10	25,166,000
Processing (Regular)	1992		1.08	7,425	"	371.00	2,755,000
	1991		1.57	11,800	"	328.30	3,874,000
Processing (Culls)	1992		0.38	2,650	"	26.00	69,000
	1991		0.49	3,700	"	26.00	96,000
ASPARAGUS	1992	4,820	2.53	12,200	"	1,396.00	17,031,000
	1991	4,535	2.89	13,100	"	1,464.00	19,178,000
BOK CHOY	1992	628	12.28	7,710	"	311.30	2,400,000
	1991	454	12.86	5,840	"	284.40	1,661,000
BROCCOLI TOTAL	1992*	60,840					243,195,000
	1991	50,160					139,343,000
Fresh	1992	49,000	7.59	372,000	"	512.50	190,650,000
	1991	40,600	6.38	259,000	"	467.75	121,147,000
Food Service	1992			17,800	"	1,596.23	28,413,000
	1991			13,240	"	1,213.14	16,062,000
Processing	1992	11,840	5.18	61,350	"	393.35	24,132,000
	1991	9,560	4.95	47,300	"	384.70	18,196,000
BRUSSELS SPROUTS TOTAL	1992	880					3,413,000
	1991	942					4,076,000
Fresh	1992	229	7.42	1,700	"	604.70	1,028,000
	1991	270	7.74	2,090	"	689.00	1,440,000
Processing	1992	651	7.99	5,200	"	458.65	2,385,000
	1991	672	8.53	5,730	"	460.00	2,636,000

*Commodity total includes Food Service category for 1992

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
CABBAGE, All	1992	842	17.65	14,860	TON	\$ 182.91	\$ 2,718,000
	1991	862	14.20	12,240	"	263.90	3,230,000
CARROTS TOTAL	1992*	3,750					19,421,000
	1991	3,100					11,572,000
Fresh	1992	1,540	24.31	37,430	"	308.20	11,536,000
	1991	1,590	21.26	33,800	"	210.20	7,105,000
Food Service	1992			1,430	"	1,180.40	1,688,000
	1991			1,700	"	1,328.24	2,258,000
Processing	1992	2,210	32.81	72,520	"	85.45	6,197,000
	1991	1,510	33.58	50,700	"	88.10	4,467,000
CAULIFLOWER TOTAL	1992*	24,640					111,893,000
	1991	23,790					89,661,000
White	1992	20,800	7.03	146,200	"	613.61	89,710,000
	1991	19,390	7.47	144,900	"	558.00	80,854,000
Green	1992	1,470	5.92	8,700	"	599.80	5,218,000
	1991	1,280	5.53	7,080	"	670.30	4,746,000
Food Service	1992			4,140	"	2,503.10	10,363,000
	1991			3,240	"	2,096.30	6,792,000
Processing	1992	2,370	5.02	11,890	"	555.25	6,602,000
	1991	3,120	4.58	14,300	"	284.00	4,061,000
CELERY TOTAL	1992*	7,789					65,674,000
	1991	6,929					40,103,000
Fresh	1992	7,510	36.49	274,000	"	231.80	63,513,000
	1991	6,710	32.79	220,000	"	178.30	39,226,000
Food Service	1992			966	"	1,162.50	1,123,000
	1991			3,920	"	1,300.00	5,096,000
Processing	1992	279	31.61	8,820	"	117.65	1,038,000
	1991	219	33.01	7,230	"	121.30	877,000

*Commodity totals includes Food Service categories for 1992

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION			F. O .B. VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
CILANTRO	1992	315	11.87	3,740	TON	\$ 444.40	\$ 1,662,000
	1991	246	12.11	2,980	"	414.50	1,235,000
CUCUMBERS Processing	1992	260	24.62	6,400	"	195.78	1,253,000
	1991	260	24.23	6,300	"	198.00	1,247,000
GARLIC	1992	333	9.67	3,220	"	1,530.70	4,929,000
	1991	482	9.52	4,590	"	1,400.00	6,426,000
HERBS	1992*	161	3,332	536,500	BUNCH	1.38	740,000
	1991	159	2,890	459,500	"	1.33	611,000
KALE TOTAL	1992	795	7.40	5,879	TON	578.80	3,403,000
	1991	538	7.55	4,060	"	464.70	1,887,000
Fresh	1992	795	7.11	5,650	"	526.70	2,976,000
	1991	538	7.55	4,060	"	464.70	1,887,000
Food Service	1992**			229	"	1,864.60	427,000
LEEKs	1992	190	14.63	2,780	"	557.20	1,549,000
	1991	168	14.29	2,400	"	594.00	1,426,000
MISCELLANEOUS VEGETABLE TOTAL	1992	2,535					14,371,000
	1991	1,824					8,880,000
Fresh	1992***	2,236					7,423,000
	1991	1,540					8,112,000
Food Service	1992****			4,350	TON	1,128.30	4,908,000
	1991			4,730	"	1,081.40	5,115,000
Processing	1992*****	299					2,040,000
	1991	284					768,000
MUSHROOMS	1992			42,532,000	LBS	1.03	43,808,000
	1991			38,466,000	"	0.96	36,927,000

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

**First year reporting

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

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

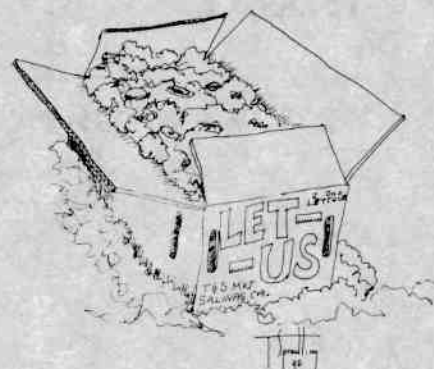
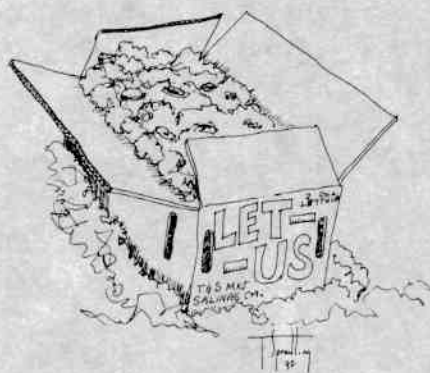
*****Includes Asparagus, Bell Peppers, Bushberries, Cilantro, Peppers, Pimentos, Raspberries, Squash

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		F. O. B. VALUE		
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
LETTUCE, Head	1992						
Spring		21,550					
Summer		21,100					
Fall		26,690					
Naked Pack				22,269,000	CTN	\$ 6.29	\$ 140,072,000
Wrapped Pack				20,009,000	"	7.79	155,870,000
Bulk for Shredding				9,779,000	"	4.02	39,312,000
Bulk for Whole Cored Lettuce				406,000	"	7.90	3,207,000
SEASON TOTAL		69,340	756.61	52,463,000	"	6.4516	338,470,000
LETTUCE, Head	1991						
Spring		17,300					
Summer		20,900					
Fall		24,800					
Naked Pack				25,061,000	CTN	\$ 5.77	\$ 144,602,000
Wrapped Pack				16,828,000	"	7.27	122,340,000
Bulk for Shredding				6,123,000	"	3.86	23,635,000
Bulk for Whole Cored Lettuce				344,000	"	7.90	2,718,000
SEASON TOTAL		63,000	768.00	48,356,000	"	6.0700	293,295,000
HEAD LETTUCE	1992	69,340	756.61	52,463,000	CTN	\$ 6.4516	\$ 338,470,000
TOTALS	1991	63,000	768.00	48,356,000	"	6.0700	293,295,000

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
BUTTER LETTUCE	1992	2,990	832.11	2,488,000	CTN	\$ 5.28	\$ 13,137,000
	1991	3,000	797.67	2,393,000	"	4.20	10,051,000
GREEN LEAF	1992	9,300	825.70	7,679,000	"	5.86	44,999,000
	1991	8,580	804.31	6,901,000	"	4.50	31,054,000
ENDIVE	1992	561	689.84	387,000	"	6.26	2,423,000
	1991	698	719.20	502,000	"	6.48	3,253,000
ESCAROLE	1992	378	767.20	290,000	"	6.49	1,882,000
	1991	443	720.09	319,000	"	6.24	1,991,000
RED LETTUCE	1992	4,020	842.79	3,388,000	"	5.39	18,261,000
	1991	3,690	797.02	2,941,000	"	4.43	13,029,000
ROMAINE	1992	10,900	776.42	8,463,000	"	6.58	55,687,000
	1991	9,790	757.92	7,420,000	"	5.44	40,365,000
LEAF LETTUCE	1992	28,149	806.25	22,695,000	CTN		\$ 136,389,000
TOTALS	1991	26,201	781.50	20,476,000	"		99,743,000



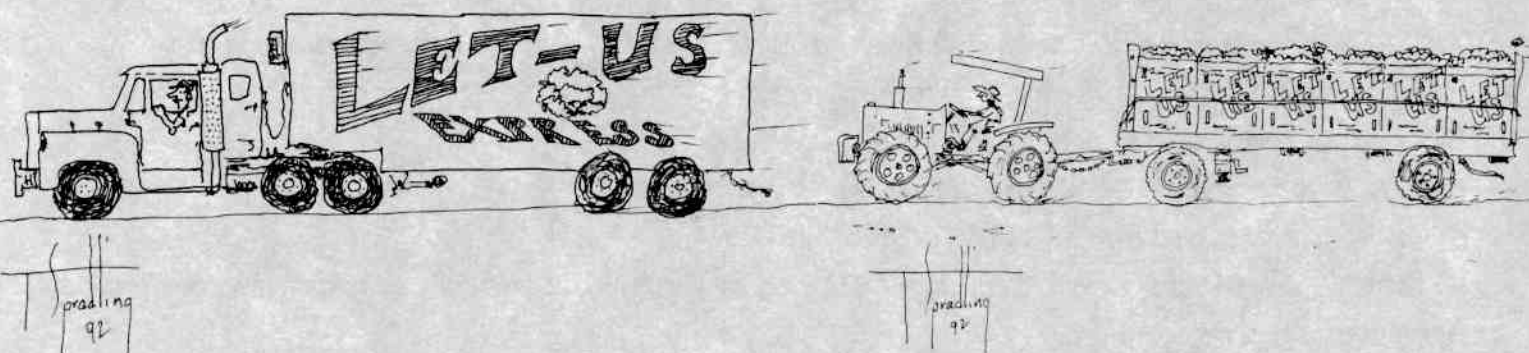
LETTUCE CROP	1992	97,489	HEAD & LEAF LETTUCE	\$ 474,859,000
TOTALS	1991	89,201	TOTAL VALUE	393,038,000

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
NAPA	1992	655	17.94	11,750	TON	\$ 297.00	\$ 3,490,000
	1991	528	13.75	7,260	"	292.90	2,126,000
ONIONS, Dry	1992	445	25.30	11,260	"	321.22	3,617,000
	1991	408	24.22	9,880	"	246.60	2,436,000
ONIONS, Green	1992	1,300	10.31	13,400	"	1,052.40	14,102,000
	1991	1,290	7.66	9,880	"	765.50	7,563,000
PARSLEY	1992	1,390					5,129,000
TOTAL	1991	1,794					4,143,000
Fresh	1992	673	9.03	6,075	"	504.03	3,062,000
	1991	579	8.74	5,060	"	480.90	2,433,000
Dry	1992	717	2.47	1,770	"	1,167.80	2,067,000
	1991	1,215	1.25	1,520	"	1,125.00	1,710,000
PEPPERS, Bell TOTAL	1992	773					2,275,000
	1991	1,002					3,111,000
Fresh	1992	540	9.63	5,200	"	301.70	1,569,000
	1991	630	7.73	4,870	"	324.00	1,578,000
Processing	1992	233	14.10	3,285	"	214.90	706,000
	1991	372	20.63	7,675	"	199.80	1,533,000
PEPPERS, Chili Dry	1992	4,605	3.37	15,525	"	1,181.65	18,345,000
	1991	4,090	2.98	12,200	"	1,141.60	13,928,000
POTATOES	1992	897	17.80	15,970	"	182.00	2,907,000
	1991	937	17.72	16,600	"	180.00	2,988,000
RADICCHIO	1992	139	8.92	1,240	"	710.50	881,000
	1991	229	9.00	2,060	"	466.50	961,000
RADISH	1992	875	6.35	5,560	"	698.70	3,885,000
	1991	997	5.82	5,800	"	784.90	4,552,000
SALAD PRODUCTS Shredded	1992			10,720,000	CTN	7.53	80,722,000
	1991			6,372,000	"	7.35	46,834,000

VEGETABLE CROPS - Continued

CROP	YEAR	ACREAGE	PRODUCTION		F. O. B. VALUE	
			PER ACRE	TOTAL UNIT	PER UNIT	TOTAL
SPINACH	1992*	5,825				\$ 40,501,000
TOTAL	1991	7,410				16,555,000
Fresh	1992	2,845	9.63	27,400 TON	\$ 611.20	16,747,000
	1991	2,620	9.16	24,000 "	494.30	11,863,000
Food Service	1992			8,110 "	2,376.30	19,272,000
	1991			4,820 "	2,337.56	10,785,000
Processing	1992	2,980	11.02	32,850 "	136.45	4,482,000
	1991	4,790	10.02	48,000 "	97.75	4,692,000
SQUASH, Fresh	1992	620	12.76	7,910 "	351.33	2,779,000
	1991	623	11.61	7,230 "	363.30	2,627,000
TOMATOES	1992	4,357				17,916,000
TOTAL	1991	6,455				17,258,000
Fresh	1992	3,700	13.64	50,480 TON	332.10	16,764,000
	1991	4,755	12.07	57,400 "	252.30	14,482,000
Processing	1992	657	31.08	20,420 "	56.40	1,152,000
	1991	1,700	30.24	51,400 "	54.00	2,776,000
TOMATOES	1992	207	6.62	1,370 "	748.90	1,026,000
Cherry	1991	132	7.73	1,020 "	541.40	552,000



TOTAL ACRES	1992	235,739	TOTAL VALUE	1992	\$ 1,241,961,000
	1991	217,340	VEGETABLE CROPS	1991	964,410,000

*Commodity total includes Food Service category for 1992

MONTEREY COUNTY AGRICULTURAL COMMISSIONER'S OFFICE THE FIRST ONE HUNDRED YEARS

Today, the Monterey County Agricultural Commissioner's office fills the roles of an enforcement agency, a service organization and an advisor. The goal of the department is to protect the agricultural industry, the environment and the public health, safety and welfare. This role has changed much since the inception of the office.

In March 1881, the State Legislature passed an Act to protect and promote the horticultural interests of the State. This Act provided for three Commissioners appointed by the County Board of Supervisors, known as the County Board of Horticultural Commissioners. The California Legislature realized that fruit growers needed local support to deal with infestations of noxious insects and other problems.

On January 12, 1893, The Monterey County Board of Supervisors "appointed commissioners to inspect orchards and fruit trees in Monterey County." The Supervisors appointed three men, D.G. McLean, W.F. Gilkey and Ed Berwick, to inspect fruit trees and orchards " at a salary of \$5.00 per day when so employed but in no case to exceed \$100.00 each per annum." The commissioners had the authority to appoint inspectors to assist them, with wages set at \$3.00 per day.

By 1901, it was recognized that the work of the Board of Horticultural Commissioners had become sufficiently complex and technical in nature to require a full-time administrator trained in the Biological Sciences, so the legislature changed the three-man board to a single position of County Horticultural Commissioner. Finally, in 1929 the title was changed to County Agricultural Commissioner.

Since the creation of this position, five Agricultural Commissioners have served Monterey County.

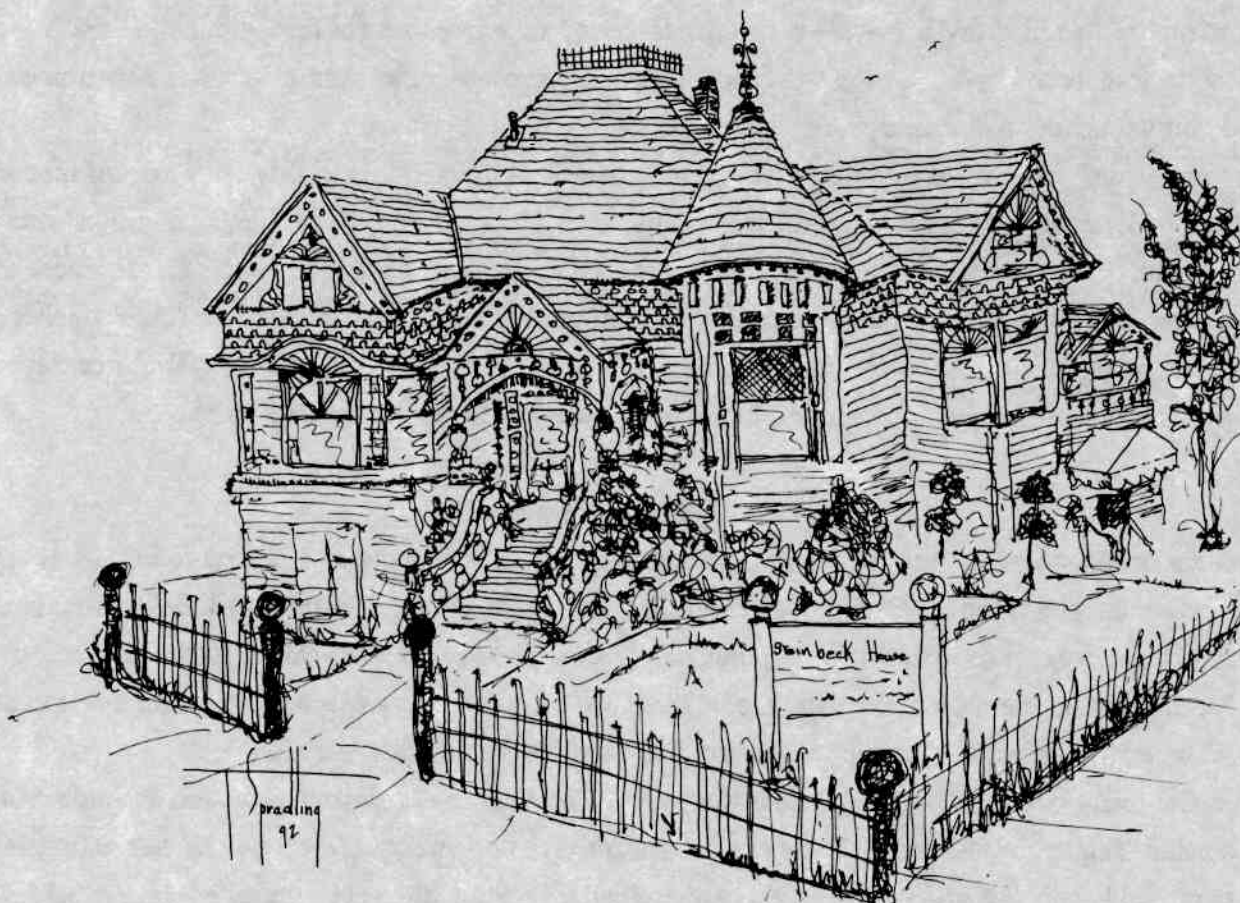
- John B. Hickman served from May 1910 to August 1927
- Harry A. Hunt served from September 1927 to January 1935
- Peter A. Kantor served from January 1935 to March 1963
- Albert W. Culver served from March 1963 to July 1971
- Richard W. Nutter has served from July 1971 and is currently serving in his twenty second year as Agricultural Commissioner

One hundred years after the establishment of the Board of Horticultural Commissioners, Fruit trees and orchards are only a small portion of agricultural in Monterey County. Today the Monterey County Agricultural Commissioner's office is involved in fruit, vegetable, seed, livestock, apiary, egg, grain, nuts, nursery and dairy production.

The Agricultural Commissioner has jurisdiction over all pesticide use, and the exclusion and detection of harmful insects, pests and diseases. The Commissioner and his staff of over 80 full time and part-time employees are licensed and qualified to enforce the California Food and Agricultural Code. A Staff Biologist knowledgeable in multiple fields of biology is available to the public and the agricultural industry to provide information, technical advice and education.

The Monterey County Agricultural Commissioner's office provides services to the agricultural industry and the public. Vertebrate pest control, weed control and phytosanitary certification are a few of the services provided. Staff participates in the many agricultural events found in Monterey County.

One hundred years in the making, the scope of the Monterey County Agricultural Commissioner's office is broader than it was in 1883. Today the Monterey County Agricultural Commissioner is concerned with all aspects of the agricultural industry and with the protection of the public and the environment. Awareness and participation in vital issues are critical to the short and long term goals of local agriculture. The Monterey County Agricultural Commissioner's office and staff are proud to have served the people of Monterey County for the past one hundred years and look forward to the next one hundred years to come.



THE CALIFORNIA ARTICHOKE OFFICIAL VEGETABLE OF MONTEREY COUNTY

One hundred percent of all artichokes grown commercially in the United States are grown in California. During the 1991-1992 crop year, artichoke acreage settled in at 9,360 acres. Average yield per acre was 425 cartons, the highest in 10 years. Approximately 74 percent of the state's total acreage lies within Monterey County. And while artichokes were ranked only 11th in crop value for 1992 in this agriculturally-rich area, worth about \$30 million to Monterey County, growers proudly point to the fact that the artichoke is this County's official vegetable.

About 63 percent of the state's artichoke acreage is centered around Castroville, a town with a population of a little more than 5,000. Two major artichoke packing sheds are located here, along with the nation's only artichoke processing plant. Is it any wonder that the townspeople have proclaimed Castroville "The Artichoke Center of World," and that they will celebrate with the 34th annual Artichoke Festival in September?

WHAT IS AN ARTICHOKE?

A native of the Mediterranean, the artichoke is a perennial in the thistle group of the sunflower (Compositae) family. In full growth, the plant spreads to cover an area about six feet in diameter and reaches a height of three to four feet. Its long, arching, deeply serrated leaves give the plant a fern-like appearance. The Green Globe cultivar accounts for essentially all the artichokes grown in this area.

The "vegetable" that we eat is actually the plant's flower bud. If allowed to flower, blossoms measure up to seven inches in diameter and are a beautiful violet-blue color. The size of the bud depends upon where it is located on the plant. The largest are "terminal" buds produced at the end of the long center stem. These are the ones you are most likely to see from the car during a springtime drive through the area. Buds are smaller lower on the stem. The largest and most of the smallest artichokes are sold to the fresh market. About one-fourth of the crop is used for canned artichoke hearts and bottoms (crowns) or frozen, quartered artichokes.

LABOR-INTENSIVE CROP

The main propagation method for planting artichokes is with root sections attached to basal stem pieces. These cuttings which are often referred to as "stumps," are obtained from established fields scheduled for replanting. Artichoke fields are maintained in perennial culture for five to ten years. Each cropping cycle is initiated by "cutting back" the tops of the plants several inches below the soil surface to stimulate development of new shoots. The operation, called "stumping," is timed to regulate the new harvest season.

While California artichokes are available throughout the year, peak season is March through May and again to a smaller degree in October. They are an extremely labor-intensive crop as the harvesting is done entirely by hand; and, because artichokes on the same plant mature at different times, the same field will be harvested every seven days during peak season. Labor represents 40 to 50 percent of the growing costs.

GROWING CONDITIONS

As one writer put it, the artichoke "thrives best under maximally boring conditions." In other words, it is a plant which prefers temperate climates--never too hot or cold. Monterey County, where winters are relatively frost-free and summers are cool and moist with fog, is an ideal growing area. Here, too, are deep, fertile, well-drained soils which promote maximum root development.

GETTING TO THE HEART OF THE MATTER

It's been said that "the artichoke makes no concessions to those who want a quick meal." So, in this age of "fast-food" and "quick fixes," what keeps this commodity growing? Some might say, as one wag put it, "It's the only vegetable that you have more left of on your plate after you finish eating than before you start." Serious artichoke eaters will tell you that the reason for eating an artichoke is its unique flavor. Nutritionally speaking, one 12-ounce artichoke is a source of vitamin C, folic acid and magnesium. It contains only 25 calories, is low in sodium and virtually fat-free.

Most consumers cook the whole artichoke, and slip each leaf petal, one by one, through their teeth until they reach the delectable heart. Artichokes make excellent additions to stir-fry and pasta dishes. Restaurateurs have discovered the versatile California artichoke can be featured as a special appetizer, elegantly stuffed with seafood, or served at banquets. If you visit the Castroville Artichoke Festival, you just might find artichokes baked into cakes, pies and muffins.

SPREADING THE WORD

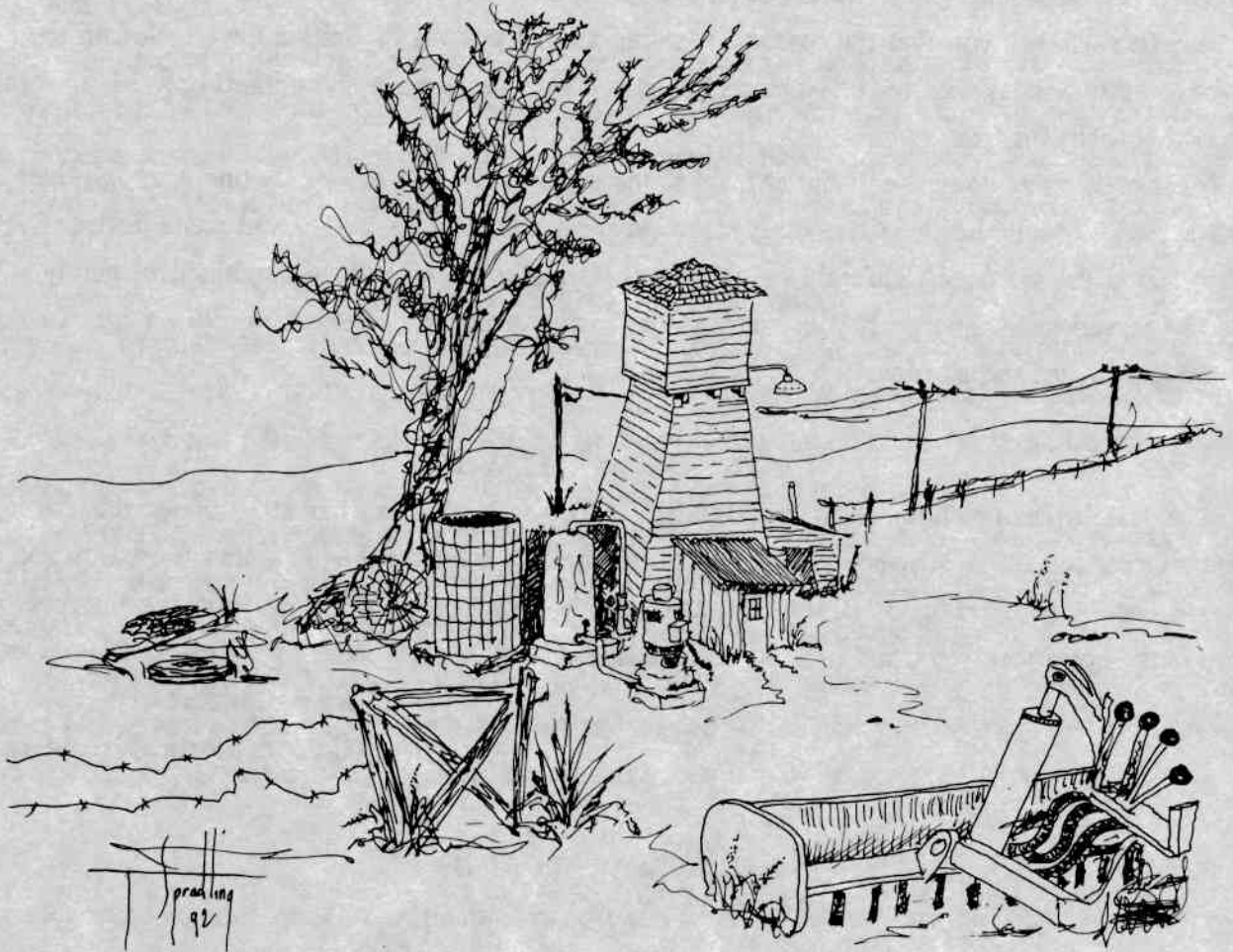
The California Artichoke Advisory Board (CAAB) was organized in 1960 under the California State Marketing Order Act, after growers voted to assess themselves a fee for the program's formation and operation. The board, now representing 34 California artichoke growers, supports educational programs, promotion activities in the consumer, retail and food service areas, and market development for fresh California artichokes.

Mary Comfort

California Artichoke Advisory Board



FIELD CROPS



FIELD CROPS

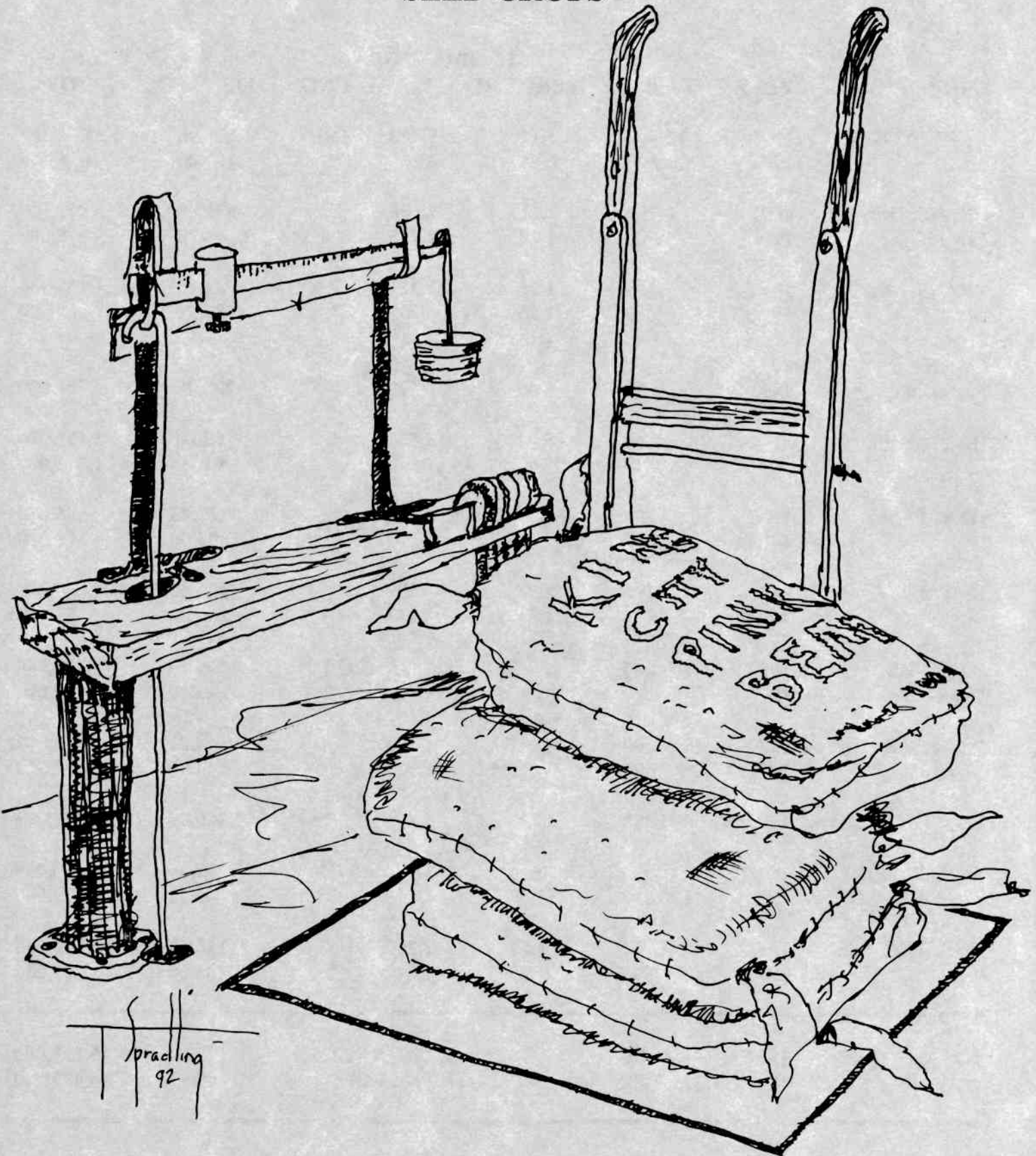
CROP	YEAR	ACREAGE	PRODUCTION			F. O .B. VALUE	
			PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
BARLEY, Grain	1992	13,700	1.12	15,400	TON	\$ 105.00	\$ 1,617,000
	1991	12,600	0.65	8,200	"	102.00	836,000
BEANS, Dry Large Lima	1992	2,100	1.11	2,330	"	899.00	2,095,000
	1991	2,200	1.24	2,735	"	1,140.00	3,118,000
BEANS, MISC. Dry	1992	234	1.16	271	"	734.00	199,000
	1991	210	1.26	265	"	480.00	127,000
CORN Processing	1992*						
	1991	650	5.00	3,250	"	235.00	764,000
HAY, Alfalfa	1992	2,436	5.62	13,700	"	85.80	1,175,000
	1991	2,650	6.45	17,100	"	91.90	1,571,000
HAY, Barley	1992	593	2.34	1,390	"	105.00	146,000
	1991	535	2.32	1,240	"	95.00	118,000
HAY, Oat	1992	240	1.34	321	"	190.00	61,000
	1991	215	1.34	287	"	180.00	51,700
PASTURE Dry Land	1992	1,107,500			ACRE	6.50	7,199,000
	1991	1,107,500			"	6.50	7,199,000
PASTURE Irrigated	1992	500	1AU**	500	"	144.00	72,000
	1991	500	1AU**	500	"	144.00	72,000
SAFFLOWER	1992***	3,288	0.27	894	"	300.00	268,000
SUGAR BEETS	1992	1,800	35.56	64,000	TON	34.30	2,195,000
	1991	1,680	37.38	62,800	"	40.11	2,519,000
WHEAT, Grain	1992	792	1.52	1,200	"	110.00	132,000
	1991	595	1.75	1,040	"	103.00	107,000
TOTAL ACRES	1992	1,133,183			TOTAL VALUE	1992	\$ 15,159,000
	1991	1,129,335			FIELD CROPS	1991	16,483,000

*Insufficient to Report

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

***1st Year reporting

SEED CROPS



SEED CROPS

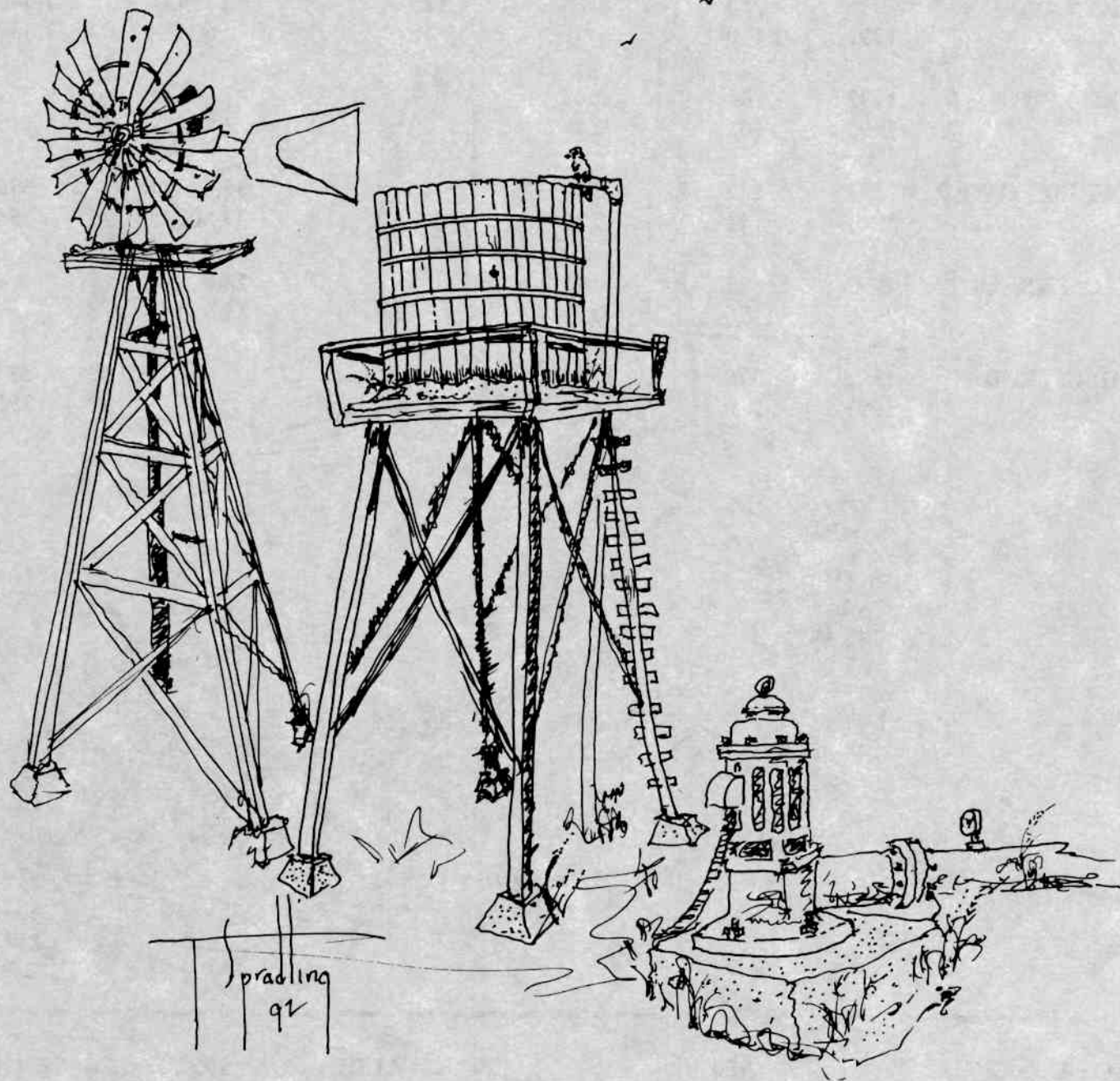
CROP	YEAR	ACREAGE	PRODUCTION		UNIT	F. O. B. VALUE	
			PER ACRE	TOTAL		PER UNIT	TOTAL
ASPARAGUS	1992	100	0.07	6.70	TON	\$ 3,300.00	\$ 22,100
	1991	328	0.02	8.00	"	3,300.00	26,400
BEANS, All	1992	4,350	1.25	5,420.00	"	1300.00	7,046,000
	1991	3,470	1.61	5,570.00	"	608.00	3,387,000
BROCCOLI	1992	100	0.08	7.65	"	47,642.00	364,000
	1991	101	0.09	9.00	"	34,951.00	315,000
CAULIFLOWER	1992	122	0.12	15.00	"	39,749.00	596,000
	1991	41	0.30	12.00	"	37,809.00	454,000
PEPPERS, All	1992	12	0.41	4.90	"	13,069.00	64,000
	1991	26	0.12	3.00	"	11,333.00	34,500
MISC. SEED*	1992	1,270					324,000
	1991	1,280					395,000



TOTAL ACRES	1992	5,954	TOTAL VALUE SEED CROP	1992	\$ 8,416,100
	1991	5,246		4,611,000	

*Misc Seed includes Barley, Carrots, Celery, Corn, Cucumber, Flower, Oats, Onion, Squash, and Wheat.

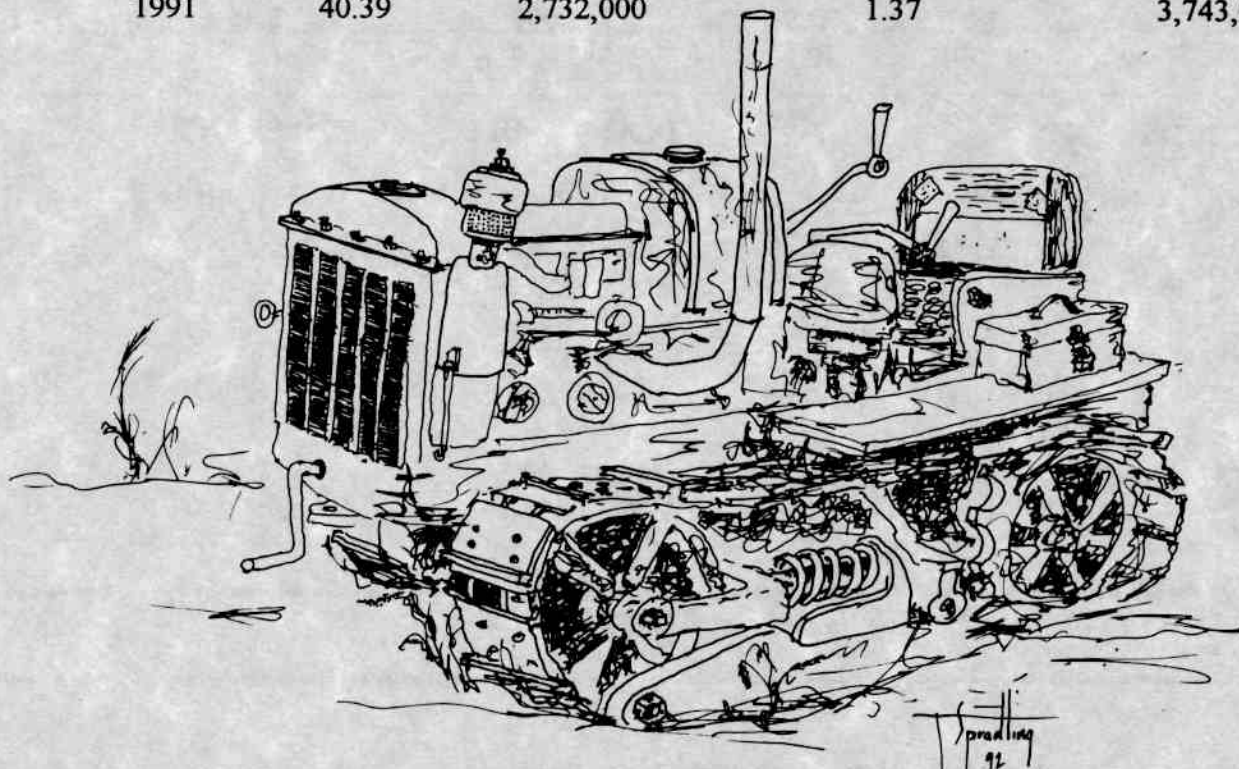
NURSERY CROPS



pradling
92

NURSERY CROPS

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
GREENHOUSE CUT FLOWERS			BLOOMS SOLD	PER BLOOM	
ROSE	1992	184.87	94,938,000	\$ 0.2526	\$ 23,981,000
	1991	167.44	95,543,000	0.2576	24,612,000
MINIATURE ROSE	1992	12.72	12,927,000	0.1903	2,460,000
	1991	13.06	13,300,000	0.1671	2,222,000
CARNATION	1992	199.73	159,116,000	0.1270	20,208,000
	1991	214.77	126,209,000	0.1447	18,262,000
CHRYSANTHEMUM (Standard)	1992	17.48	4,509,000	0.4318	1,947,000
	1991	17.62	5,197,000	0.4540	2,359,000
GARDENIA	1992		261,000	1.30	339,000
	1991		234,000	1.20	281,000
ORCHID	1992		110,000	2.01	221,000
	1991		75,000	2.50	188,000
			BUNCHES SOLD	PER BUNCH	
CARNATION (Miniature)	1992	44.30	3,631,000	1.23	4,466,000
	1991	40.39	2,732,000	1.37	3,743,000



TOTAL INDOOR	1992	459.10	TOTAL VALUE INDOOR	\$ 53,622,000
CUT FLOWERS	1991	453.28	CUT FLOWERS	51,667,000

NURSERY CROPS - Continued

CROP	YEAR	ACREAGE	AMOUNT SOLD	AVERAGE PRICE	TOTAL
FIELD GROWN CUT FLOWERS			BUNCHES SOLD	PER BUNCH	
ALSTROEMERIA	1992	26.50	1,265,000	\$ 1.38	\$ 1,746,000
	1991	24.00	793,000	1.75	1,388,000
CALLAS	1992	150.00	3,572,000	0.54	1,929,000
	1991	66.00	92,000	2.66	245,000
EUCALYPTUS	1992	373.40	1,914,000	2.52	4,823,000
	1991	380.50	1,906,000	1.64	3,126,000
GYPSOPHILIA	1992	12.80	81,600	1.88	153,000
	1991	14.00	37,000	1.83	68,000
IRIS	1992	246.00	9,707,000	2.00	19,414,000
	1991	69.20	1,143,000	1.75	2,000,000
SEAFOAM	1992	13.30	85,000	1.50	128,000
	1991	15.40	88,000	1.35	119,000
SNAPDRAGON	1992	10.20	594,000	1.02	606,000
	1991	8.80	308,000	1.75	539,000
STATICE	1992	32.90	201,000	1.35	271,000
	1991	39.50	495,000	1.20	594,000
POTTED PLANTS			PLANTS SOLD	PER PLANT	
BEDDING PLANTS					
Commercial	1992	51.30	716,609,000		17,844,000
Vegetable	1991	53.25	769,198,000		18,311,000
ORCHIDS	1992	8.55	170,000	13.37	2,273,000
	1991	9.00	134,000	14.40	1,930,000
POINSETTIA	1992	14.90	2,422,000	3.93	9,518,000
	1991	10.90	2,347,000	3.47	8,144,000
PROPAGATIVE STOCK	1992*	64.70	17,385,000		7,454,000
	1991	22.60	41,736,000		10,434,000

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

NURSERY CROPS - Continued

CROP	YEAR	ACREAGE	AMOUNT SOLD		TOTAL
			PLANTS SOLD	AVERAGE PRICE PER PLANT	
MISCELLANEOUS	1992*	44.70	8,603,000	\$ 1.57	\$ 13,507,000
Indoor Decorative	1991	36.34	7,550,000	2.20	16,610,000
OUTDOOR	1992	66.40	2,111,000	3.05	6,439,000
Woody Ornamentals	1991	42.10	1,175,000	3.70	4,348,000
MISC FIELD CROPS	1992**	471.40			7,614,000
Succulents, Bulbs	1991	421.80			5,506,000
			TREES SOLD	PER TREE	
CHRISTMAS TREES	1992	105.00	9,500	19.68	187,000
	1991	106.00	15,000	15.00	225,000
TOTAL ACRES	1992	2,151.15	TOTAL VALUE		\$ 147,528,000
	1991	1,772.67	NURSERY CROPS		125,254,000

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

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

APIARY

CROP	YEAR	COLONIES	PRODUCTION	UNIT	F.O.B. VALUE	
					PER UNIT	TOTAL
HONEY	1992		36,000	LBS	\$ 0.50	\$ 18,000
	1991		30,000	"	0.50	15,000
POLLINATION	1992***	2,500		COLONY	24.00	60,000
	1991	2,400		"	24.00	57,600
WAX	1992		1,200	LBS	1.00	1,200
	1991		1,000	"	0.80	800
TOTAL VALUE APIARY					1992	\$ 79,200
					1991	73,400

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

LIVESTOCK, POULTRY, & DAIRYING



AW	^	B	SIS	O
E	∟	E	J	O
XH	CC	Δ	∞	⌒

LIVESTOCK, POULTRY, & DAIRYING

CROP	YEAR	HEAD	PRODUCTION	UNIT	F.O.B. VALUE	
					PER UNIT	TOTAL
BEEF CATTLE	1992	68,000		CWT		\$ 27,000,000
TOTAL	1991	96,000		"		35,425,000
Cattle & Calves	1992	45,000	297,000	"	\$ 75.00	22,275,000
	1991	50,000	330,000	"	77.00	25,410,000
Feeder	1992*					
	1991	21,000	59,000	"	85.00	5,015,000
Stocker	1992	23,000	58,000	"	80.00	4,640,000
	1991	25,000	62,500	"	80.00	5,000,000
SHEEP & LAMB	1992	2,500	3,500	"	43.00	150,500
	1991	2,400	3,360	"	40.00	134,000
WOOL	1992		15,000	LBS	0.22	3,300
	1991		15,000	"	0.20	3,000
HOGS	1992	1,200	228,000	"	0.47	107,160
	1991	1,000	190,000	"	0.50	95,000
DAIRY	1992	6,000				13,631,000
TOTAL	1991	5,877				13,705,400
Dairying Cows	1992	4,200		HEAD	1,200.00	5,040,000
Breeding Stock	1991	4,000		"	1,200.00	4,800,000
Cull Cows	1992	950		"	850.00	807,500
	1991	1,050		"	700.00	735,000
Calves	1992	850		"	90.00	76,500
	1991	827		"	95.00	78,600
Fertilizer	1992		16,000	TON	6.00	96,000
	1991		14,000	"	6.00	84,000
Milk, Market	1992		655,527	CWT	11.61	7,611,000
Marketing	1991		716,282	"	11.13	7,972,000
Manufactured	1992*					
	1991		3,091	"	11.57	35,800

*Insufficient to Report

LIVESTOCK, POULTRY, & DAIRYING - Continued

CROP	YEAR	HEAD	PRODUCTION	UNIT	F.O.B. VALUE	
					PER UNIT	TOTAL
GOATS	1992	350		HEAD	\$ 250.00	\$ 87,500
Breeding Stock	1991	375		"	260.00	97,500
Cull Goats	1992	450		"	35.00	15,750
	1991	520		"	35.00	18,200
Kids	1992	1,300		"	25.00	32,500
	1991	1,200		"	25.00	30,000
CHICKENS	1992	464,500				2,685,000
TOTAL	1991*	432,700				2,769,000
Broilers, Fryers, Roasters	1992	429,000	3,380,000	LBS	0.40	1,352,000
	1991	401,000	3,008,000	"	0.41	1,233,000
Meat Hens	1992	35,500	158,000	"	0.52	82,200
	1991	31,700	129,000	"	0.58	75,000
Misc. Poultry	1992**					470,000
	1991					441,000
Eggs	1992		1,041,000	DOZ	0.75	781,000
	1991*		1,146,000	"	0.89	1,020,000



G7

Artist: George N. Cominos

TOTAL VALUE LIVESTOCK, POULTRY, & DAIRYING	1992	\$ 43,712,710
	1991	52,699,000

*Corrected Figure

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

TREND OF MAJOR CROPS IN MONTEREY COUNTY

CROP	YEAR	ACRES	VALUE
ARTICHOKES Fresh & Processing	1992	6,910	\$ 29,560,000
	1982	8,475	30,930,700
	1972	10,720	8,865,000
BROCCOLI Fresh & Processing	1992	60,840	243,195,000
	1982	44,710	98,054,000
	1972	22,080	15,872,000
CAULIFLOWER Fresh & Processing	1992	24,640	111,893,000
	1982	24,060	64,731,000
	1972	10,515	10,987,000
CELERY Fresh & Processing	1992	7,789	65,674,000
	1982	6,240	26,866,000
	1972	5,600	19,193,000
GRAPES	1992	32,404.12	75,036,000
	1982	33,730.67	41,458,000
	1972	2,620.00	2,703,000
LETTUCE, Head	1992	69,340	338,470,000
	1982	61,370	189,477,000
	1972	54,850	64,222,000
LETTUCE, Leaf	1992	28,149	136,389,000
	1982	3,055	9,922,000
	1972 *		
MUSHROOMS	1992	42,532,000	LBS 43,808,000
	1982	30,703,000	" 32,852,000
	1972 **		
NURSERY CROPS	1992	2,151.15	147,527,000
	1982	855.66	64,218,000
	1972	437.79	14,582,000
SPINACH Fresh & Processing	1992	5,825	40,501,000
	1982	3,850	5,117,000
	1972	5,100	2,115,000
STRAWBERRIES Fresh & Processing	1992	6,960	199,089,000
	1982	2,650	63,831,000
	1972	1,680	14,293,000

* Not itemized in 1972

** Insufficient to report

MILLION DOLLAR CROPS 1992

1.	LETTUCE, Head	\$ 338,470,000
2.	BROCCOLI	243,195,000
3.	STRAWBERRIES	199,089,000
4.	NURSERY, All	147,528,000
5.	LETTUCE, Leaf	136,389,000
6.	CAULIFLOWER	111,893,000
7.	GRAPES	75,036,000
8.	CELERY	65,674,000
9.	MUSHROOMS	43,808,000
10.	SPINACH	40,501,000
11.	ARTICHOKES	29,560,000
12.	CATTLE	27,000,000
13.	CARROTS	19,421,000
14.	PEPPERS, Chili	18,345,000
15.	TOMATOES	17,916,000
16.	ASPARAGUS	17,031,000
17.	MISCELLANEOUS VEGETABLES	14,371,000
18.	ONIONS, Green	14,102,000
19.	RASPBERRIES	12,707,000
20.	ORGANIC	9,650,000
21.	SEEDS, All	8,416,000
22.	MILK, MARKET	7,611,000
23.	PASTURE, Dry Land	7,199,000
24.	PARSLEY	5,129,000
25.	DAIRYING COWS	5,040,000
26.	GARLIC	4,929,000
27.	RADISH	3,885,000
28.	ONIONS, Dry	3,617,000
29.	NAPA	3,490,000
30.	BRUSSELS SPROUTS	3,413,000
31.	KALE	3,403,000
32.	POTATOES	2,907,000
33.	SQUASH	2,779,000
34.	CABBAGE, All	2,718,000
35.	CHICKENS	2,685,000
36.	ANISE	2,507,000
37.	BOK CHOY	2,400,000
38.	PEPPERS, Bell	2,275,000
39.	SUGAR BEETS	2,195,000
40.	BEANS, Dry	2,095,000
41.	CILANTRO	1,662,000
42.	BARLEY, Grain	1,617,000
43.	LEEKs	1,549,000
44.	BUSHBERRIES	1,337,000
45.	CUCUMBERS	1,253,000
46.	HAY, Alfalfa	1,175,000
47.	TOMATOES, Cherry	1,026,000

SUMMARY

FRUITS & NUTS	1992	\$ 289,413,000
	1991	245,492,000
 VEGETABLE CROPS	 1992	 1,241,961,000
	1991	964,410,000
 FIELD CROPS	 1992	 15,159,000
	1991	16,483,000
 SEED CROPS	 1992	 8,416,100
	1991	4,611,000
 NURSERY CROPS	 1992	 147,528,000
	1991	125,254,000
 APIARY	 1992	 79,200
	1991	73,400
 LIVESTOCK, POULTRY, AND DAIRYING	 1992	 43,712,710
	1991	52,699,100
 ORGANIC	 1992	 9,650,000
	1991	9,115,000

	1992	SUMMARY	\$ 1,755,919,010
	1991	TOTAL	1,418,137,500

MONTEREY COUNTY EXPORTS TOP 20 PRODUCE SUMMARY 1992

PRODUCE	1990* POUNDS	1991 POUNDS	1992 POUNDS
1. LETTUCE, Head	12,034,000	190,146,000	164,308,000
2. BROCCOLI	25,813,000	86,062,000	122,909,000
3. CELERY	15,528,000	89,496,000	98,590,000
4. LETTUCE, Leaf	102,000	26,596,000	35,567,000
5. STRAWBERRIES	4,329,000	28,066,000	33,899,000
6. CAULIFLOWER	2,203,000	32,289,000	28,195,000
7. CARROTS	3,019,000	16,482,000	26,829,000
8. TOMATOES	6,998,000	11,067,000	25,236,000
9. SALAD MIX	0	0	9,316,000
10. ONIONS, Dry	4,126,000	4,908,000	7,814,000
11. ARTICHOKEs	0	3,591,000	4,490,000
12. ASPARAGUS	2,338,000	2,919,000	3,099,000
13. CABBAGE	2,271,000	1,192,000	2,621,000
14. ONIONS, Green	30,000	4,346,000	2,575,000
15. ANISE	0	0	2,568,000
16. GARLIC	0	0	1,320,000
17. PEPPERS, All	0	1,482,000	1,267,000
18. SPINACH	66,000	0	1,161,000
19. RADICCHIO	0	0	1,137,000
20. RASPBERRIES	187,000	0	1,122,000
TOTAL FOR ALL PRODUCE EXPORTED			587,777,000
ALL SEED	7,213,000	9,332,000	7,958,000
NURSERY STOCK			
CUT FLOWER (Number of Stems)	2,983,000	4,683,000	2,804,000
OTHER NURSERY PLANTS (Ornamental & Transplants)	10,574,000	8,652,000	30,213,000

NOTE: "0" indicates that commodity did not meet production amount for top 20 summary

*Freeport export figures not available for 1990

SUMMARY OF PRODUCE EXPORTS BY COUNTRY 1992

	POUNDS
1. CANADA	349,722,000
2. JAPAN	77,202,000
3. HONG KONG	51,282,000
4. MEXICO	41,436,000
5. TAIWAN	37,183,000
6. UNITED KINGDOM	14,684,000
7. SINGAPORE	5,300,000
8. UNITED ARAB EMIRATES	1,877,000
9. SWEDEN	1,436,000
10. ITALY	1,388,000
11. NORWAY	905,000
12. NETHERLANDS	898,000
13. SAIPAN	498,000
14. DENMARK	466,000
15. FRENCH POLYNESIA	410,000
16. FEDERAL REPUBLIC OF GERMANY	340,000
17. SAUDI ARABIA	337,000
18. SPAIN	314,000
19. KUWAIT	266,000
20. FRANCE	201,000

SUMMARY OF SUSTAINABLE AGRICULTURAL ACTIVITIES

PEST	AGENT/MECHANISM	SCOPE OF PROGRAM*
COUNTY BIOLOGICAL CONTROL		
Yellow Starthistle <i>Centaurea solstitialis</i>	Seedhead Weevil & Fly <i>Bangasternus orientalis</i> <i>Urophora sirunaseva</i>	2 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
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 phillyreae</i>	Parasitic wasp <i>Encarsia partenopia</i>	General distribution
PEST ERADICATION		
Taurian thistle <i>Onopordum tauricum</i>	Mechanical/chemical	60 plants removed
Scotch thistle <i>Onopordum acanthium</i>	Mechanical/chemical	141 plants removed
Dalmatian toadflax <i>Linaria genistifolia</i> ssp. <i>dalmatica</i>	Mechanical/chemical	4 plants removed
Diffuse knapweed <i>Centaurea diffusa</i>	Mechanical	12 plants removed
Skeletonweed <i>Chondrilla juncea</i>	Mechanical/chemical	66 plants removed

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

PEST EXCLUSION	AGENT/MECHANISM	SCOPE OF PROGRAM*
Stinkbugs <i>Pentatomidae spp.</i>	Truck shipment Tractor from Italy	1 rejected/treated
Varroa mite <i>Varroa jacobsoni</i>	Apiary	1 destroyed
Gypsy moth <i>Lymantria dispar</i>	Truck shipment Household goods	3 rejected/destroyed
Eastern tent caterpillar <i>Malacosoma americanum</i>	Truck shipment	2 rejected/destroyed
White-marked tussock moth <i>Orgyia leucostigmata</i>	Truck shipment Household goods	1 rejected/destroyed
PEST MANAGEMENT		
Roadside weeds (virus host)	Chemical	100 miles, County right-of-ways

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 Commissioner's offices.

TARGET PEST	INSECT HOSTS	NO. OF SITES
Medfly	Fruit Trees	325
Melon Fruit Fly	Vegetable Gardens	82
Mexican Fruit Fly	Fruit Trees	134
Oriental Fruit Fly	Fruit Trees	82
Gypsy Moth	Shade Trees	349
Japanese Beetle	Turf, Roses	167
Africanized Honey Bee	High Risk Area	4
European Corn Borer	Corn	6
Nantucket Pine Tip Moth	Monterey Pine	11
Trogoderma Beetle	Grain	32

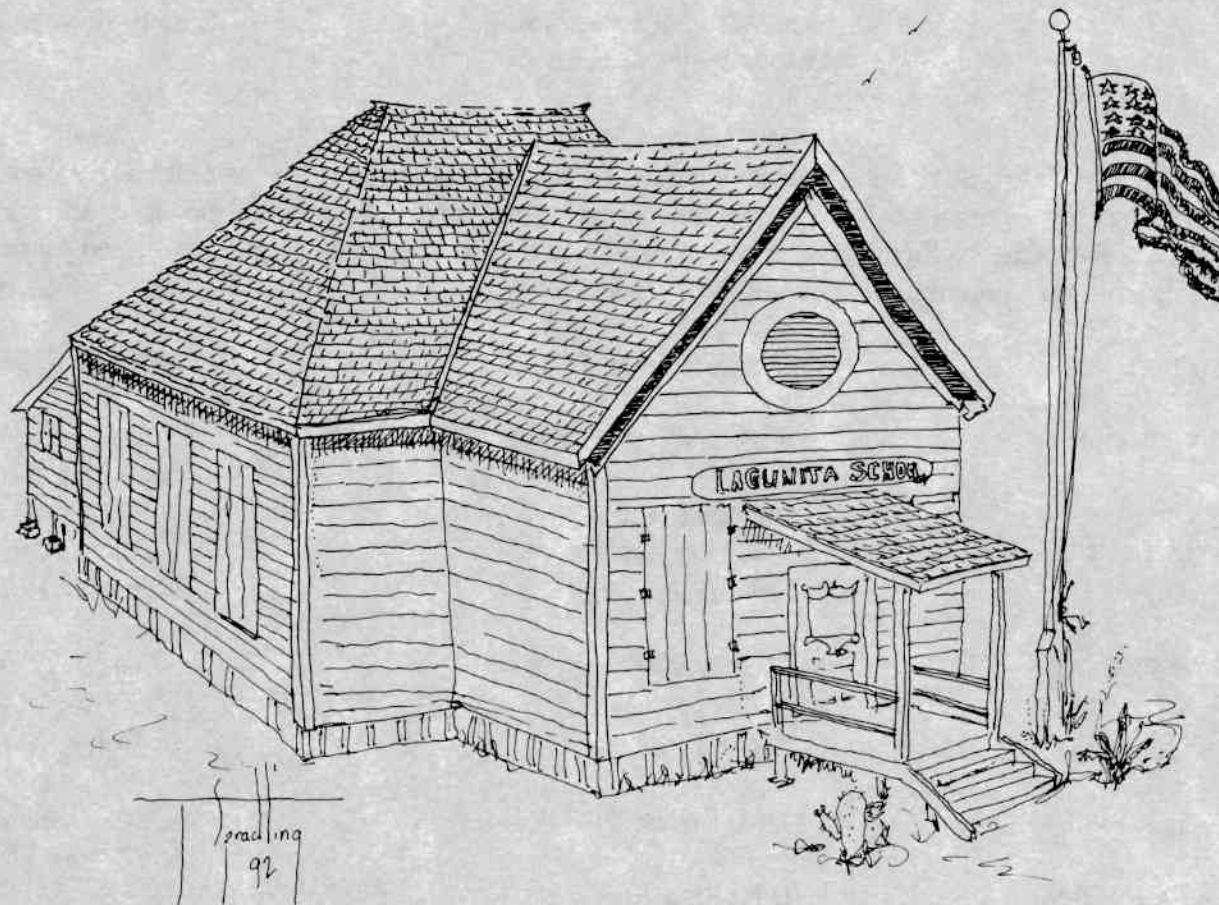
*Represents total number of individual sites, plants, etc. incorporated in program effort (surveys, collection, releases, etc.)

ORGANIC PRODUCTION IN MONTEREY COUNTY

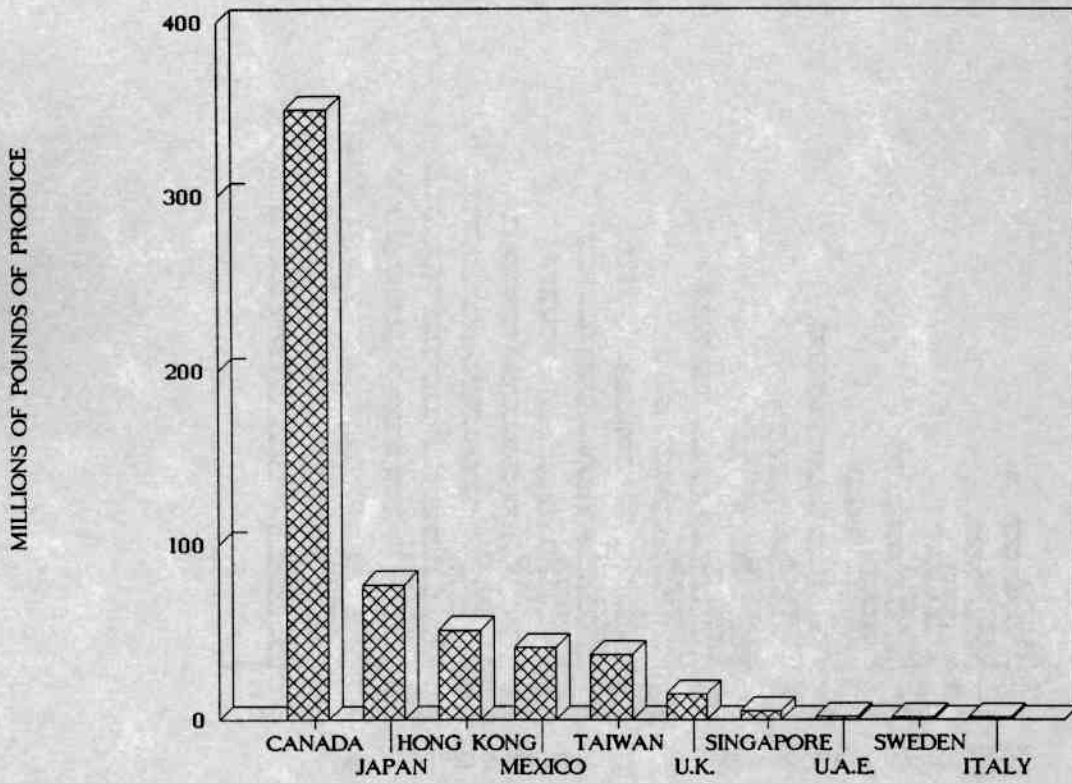
The Organic Foods Act of 1990 now requires organic producers to register in their principal county of operation. The purpose of the legislation and registration is to provide protection for producers, handlers, processors, retailers, and consumers of organic foods marketed in California.

The range of organic products produced in Monterey County is very diverse. These commodities include: 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.

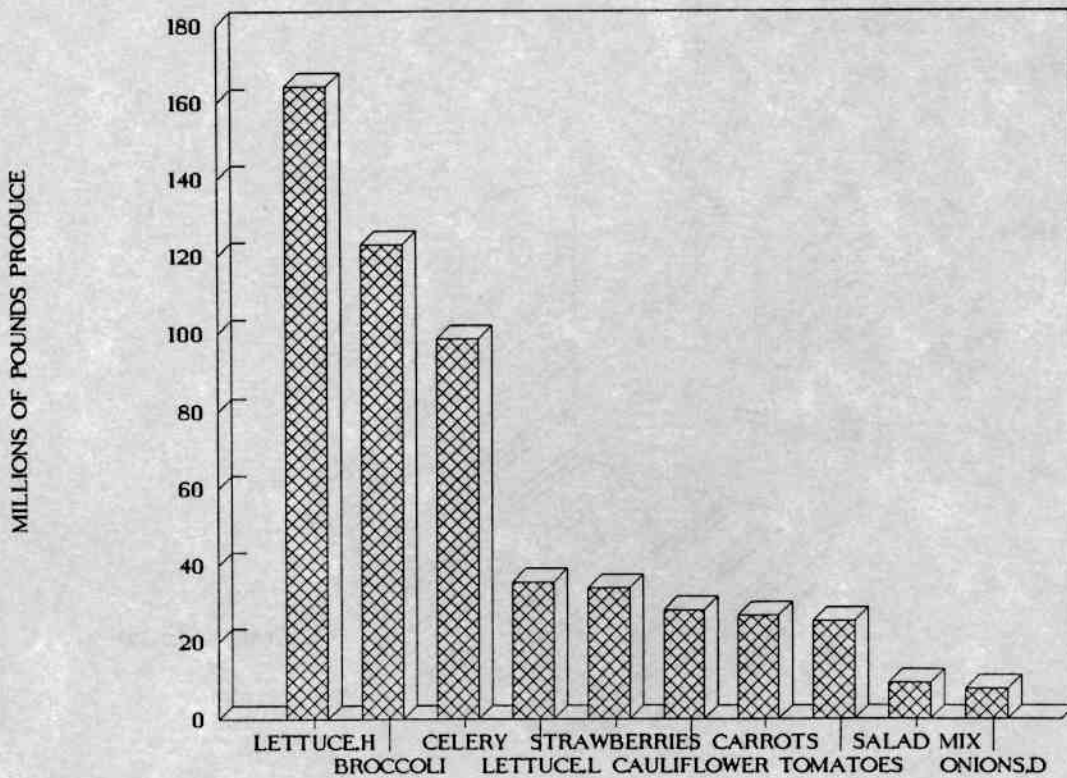
There are 23 registered producers in Monterey County who declare a total acreage of 658 acres and a total gross value of \$9,650,000.



TOP 10 IMPORTING COUNTRIES FOR 1992

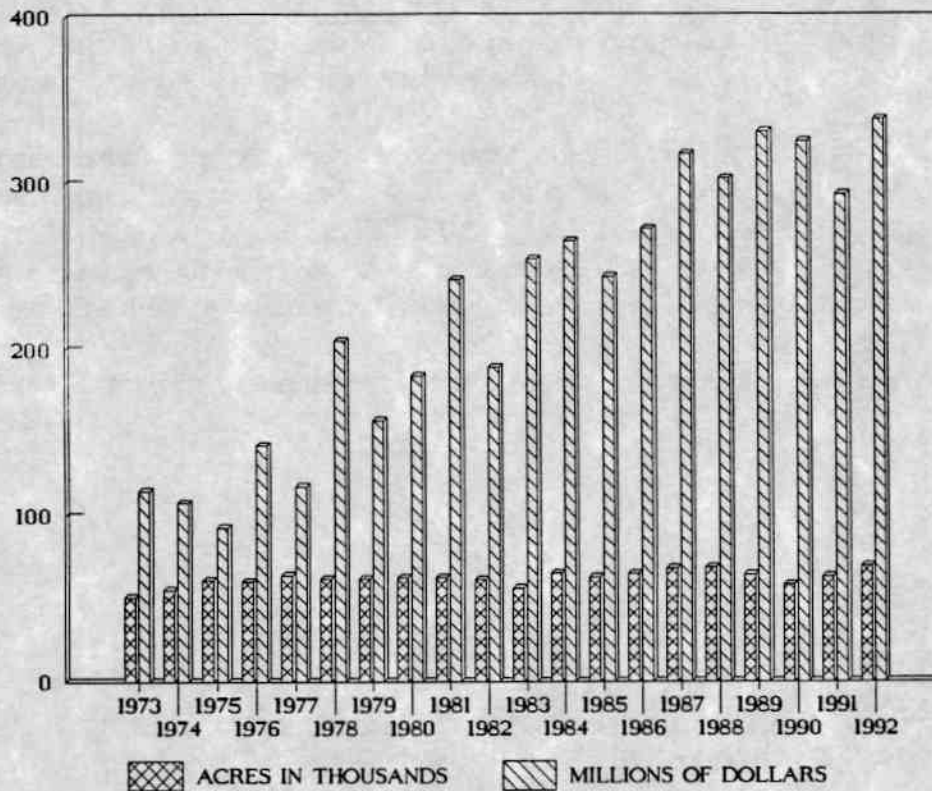


TOP 10 PRODUCE EXPORTS FOR 1992



HEAD LETTUCE ACREAGE/VALUE

20 YEAR SUMMARY



MONTEREY COUNTY AGRICULTURE 1992

TOTAL VALUE \$1,755,919,010

