



1991 marked 50 years of orchid production for The Rod McLellan Company, located in San Mateo County. The Rod McLellan Company is a world renowned leader in the use of tissue culture as a viable and innovative growing method for orchids. Many of the orchids are cloned in this manner. San Mateo County is proud to recognize The Rod McLellan Company for their contribution to the advancement of the orchid industry.

# SAN MATEO COUNTY AGRICULTURAL CROP REPORT 1991

County of San Mateo  
Department of Agriculture/  
Weights and Measures  
P.O. Box 999  
Redwood City, CA 94064

Mr. Henry Voss — Director  
California Department of Food and Agriculture  
and

San Mateo County Board of Supervisors  
1st District — M. Griffin; 2nd District — T. Huening;  
3rd District — A. Ashoo; 4th District — T. Nolan;  
5th District — W. Schumacher

I am pleased to submit the 1991 Annual Crop Report for San Mateo County in compliance with Section 2279 of the California Food and Agriculture Code.

The total gross value of San Mateo County agricultural production for 1991 was \$206,060,600. This represents a 1.4% decrease from 1990.

Freezing temperatures in December 1990 resulted in decreased production values for many crops in 1991. Artichokes, as well as field flowers and ornamental nursery stock, experienced losses totaling in excess of \$5 million. Daisies and heather were severely damaged, creating a loss of production for the first half of this year. Outdoor nursery stock for wholesale and retail nurseries was also affected. Indoor nursery crops continued to do well in production value, however production costs increased due to the freeze.

In 1991, there were many changes made in agricultural cropping patterns in San Mateo County. Acreage normally used for daisy production is now being converted to miscellaneous cut flowers such as stock, statice, delphinium, liatrus, etc. New greenhouses built in the southern part of the county increased our production of carnations and other indoor cut flowers. Fruit and nut production values increased this year with the reintroduction of strawberries on the coast. The strawberries are being grown on acreage that was formerly in artichoke production. Additional artichoke and Brussels sprout acreage was converted to snap beans, dry beans, and other crops.

In addition to these changes, potted orchids will be listed separately for the first time. This crop was previously included in the Miscellaneous Flowering Potted Plants section of the crop report. Six San Mateo County nurseries are now producing orchids.

I wish to express my continued appreciation to all individuals, growers, and agencies who contributed information necessary for the preparation of this report. Special thanks goes to Kyra Kingore and other members of my staff who helped compile this report.

Sincerely,

George Ginilo  
Agricultural Commissioner/Sealer

## SAN MATEO COUNTY ANNUAL CROP REPORT

### VEGETABLE CROPS

Crop	Year	Acres	PRODUCTION		VALUE		
			Per Acre	Total	Unit	Per Unit	Total
Artichokes <sup>1</sup>	1991	960	3.40	3,264	Ton	\$ 880	\$ 2,872,000
	1990	1,045	4.50	4,700	Ton	1,000	4,700,000
Beans, Snap	1991	260	4.40	1,144	Ton	910	1,041,000
	1990	240	4.42	1,060	Ton	940	996,000
Brussels Sprouts <sup>2</sup>	1991	660	6.80	4,488	Ton	460	2,064,000
	1990	700	7.00	4,900	Ton	470	2,303,000
Peas	1991	510	1.88	959	Ton	1,080	1,036,000
	1990	500	1.88	940	Ton	1,120	1,053,000
Pumpkins	1991	200	13.00	2,600	Ton	200	520,000
	1990	200	12.50	2,500	Ton	200	500,000
Miscellaneous Vegetables Field and Indoor Grown <sup>2</sup>	1991	250					25,730,000
	1990	220					24,550,000
TOTAL	1991	2,840					\$33,263,000
	1990	2,905					34,102,000

<sup>1</sup> Includes Processed

<sup>2</sup> Includes Bean Sprouts, Cabbage, Leaf Lettuce, Mushrooms, Potatoes, Spinach, Swiss Chard, etc.

### FLORAL AND NURSERY CROPS INDOOR GROWN

Item	Year	Square Feet	Production	Unit	Per Unit	VALUE
						Total
<b>Cut Flowers</b>						
Carnations	1991	780,000	14,430,000	Bloom	\$.18	\$ 2,597,000
	1990	630,000	11,655,000	Bloom	.20	2,331,000
Roses	1991	800,000	16,800,000	Bloom	.30	5,040,000
	1990	850,000	17,150,000	Bloom	.36	6,174,000
Miscellaneous Cut Flowers <sup>3</sup>	1991	3,310,000				13,770,000
	1990	2,750,000				11,450,000
<b>Potted Plants</b>						
Flowering						
Chrysanthemums	1991	1,800,000	3,150,000	Pot	3.55	11,182,000
	1990	1,900,000	3,212,000	Pot	3.45	11,081,000
Lilies <sup>4</sup>	1991	610,000	1,080,000	Pot	3.60	3,888,000
	1990	610,000	1,055,000	Pot	3.60	3,798,000
Orchids <sup>5</sup>	1991	490,000	588,000	Pot	14.50	8,526,000
	1990					
Poinsettias	1991	810,000	1,296,000	Pot	4.75	6,156,000
	1990	960,000	1,595,000	Pot	4.75	7,576,000
Miscellaneous <sup>6</sup>	1991	4,760,000				42,160,000
	1990	4,900,000				46,991,000
Foliage <sup>7</sup>	1991	1,300,000				18,349,000
	1990	1,400,000				20,300,000
Subtotal	1991	14,660,000				\$111,668,000
	1990	14,340,000				110,176,000
<b>Propagated</b>						
Bedding Plants (Ivy, Impatiens, Marigolds, etc.)	1991	350,000				1,440,000
	1990	200,000				900,000
Cuttings and Liners (Ferns, Hydrangea, Ivy, etc.)	1991	330,000				660,000
	1990	330,000				644,000
TOTAL	1991	15,340,000				\$113,768,000
	1990	14,870,000				111,720,000

Total Glass and Plastic Areas . . . . . 7,080,000 Square Feet

<sup>3</sup> Includes Alstromeria, Freesia, Gardenia, Lilies, Orchids, Snapdragons, etc.

<sup>4</sup> Includes Calla Lilies, Easter Lilies, Hybrid Lilies, Oriental Lilies, etc.

<sup>5</sup> Included in Miscellaneous for 1990.

<sup>6</sup> Includes Azaleas, Cyclamen, Gardenias, Gerberas, Hydrangea, Primula, Roses, Tulips, Orchids, etc.

<sup>7</sup> Includes Dieffenbachia, Ficus, Ivy, Philodendron, Pothos, etc.

### FLORAL AND NURSERY CROPS OUTDOOR GROWN

Item	Year	Acres	Production	Unit	Per Unit	VALUE
						Total
Heather	1991	110	95,000	Bunch	\$2.40	228,000
	1990	140	220,000	Bunch	2.60	572,000
Iris	1991	95	760,000	Bunch	2.80	2,128,000
	1990	85	680,000	Bunch	2.70	1,836,000
Daisies	1991	360	1,120,000	Bunch	.60	672,000
	1990	430	3,440,000	Bunch	.60	2,064,000
Strawflowers <sup>8</sup>	1991	85				1,230,000
	1990	100				1,450,000
Miscellaneous Flower/Foliage <sup>9</sup>	1991	410				4,387,000
	1990	350				4,375,000
Subtotal	1991	1,060				\$ 8,645,000
	1990	1,105				10,297,000
<b>Ornamentals</b>						
Herbaceous	1991	21				5,300,000
	1990	21				6,200,000
Perennials <sup>9</sup>	1991	385				3,415,000
	1990	390				3,460,000
Nursery Stock	1991	183	(Includes Heather & Mini Christmas Trees)			35,900,000
	1990	180				36,800,000
TOTAL	1991	1,649				\$53,260,000
	1990	1,696				56,757,000

<sup>8</sup> Includes Fresh and Dried

<sup>9</sup> Includes Calla Lily, Eucalyptus, Gypsophila, Pittosporum, Stock, Yarrow, etc.

<sup>10</sup> Includes Cinerarias, Fuchsias, Impatiens, Primrose, etc.

## FIELD CROPS

Crops	Year	PRODUCTION			VALUE		
		Acres	Per Acre	Total	Unit	Per Unit	Total
Beans, Dry Edible <sup>1)</sup>	1991	150	.96	144	Ton	\$613.00	\$ 88,000
	1990	96	.78	75	Ton	600.00	45,000
Grain	1991	250	1.40	350	Ton	105.00	37,000
	1990	250	1.20	300	Ton	120.00	36,000
Oats	1991	1,000	1.40	1,400	Ton	120.00	168,000
	1990	1,000	1.20	1,200	Ton	140.00	168,000
Hay	1991	2,000	2.50	5,000	Ton	90.00	450,000
	1990	2,000	2.80	5,600	Ton	90.00	504,000
Volunteer	1991	300	1.50	450	Ton	72.00	32,000
	1990	300	2.00	600	Ton	70.00	42,000
Pasture	1991	300				140.00	42,000
	1990	300				140.00	42,000
Other	1991	30,000				9.00	270,000
	1990	30,000				9.00	270,000
TOTAL	1991	34,000					\$1,087,000
	1990	33,946					1,107,000

<sup>1)</sup> Includes Cranberry, Fava, etc.

## FRUIT AND NUT CROPS

TOTAL	1991					\$1,155,000
	1990					975,000

Includes Apples, Bushberries, Grapes, Kiwi, Pears, Strawberry, Walnuts, etc.

## FOREST PRODUCTS

TOTAL	1991	7,700,000	Board Feet	\$1,627,000
	1990	10,339,000	Board Feet	2,033,000

## LIVESTOCK

Item	Year	PRODUCTION			VALUE	
		Number Head	Total Liveweight	Unit	Per Unit	Total
Cattle and Calves	1991	3,800	26,600	CWT	\$68.00	\$1,809,000
	1990	4,200	29,400	CWT	72.00	2,117,000
Sheep and Lambs	1991	350	350	CWT	54.30	19,000
	1990	400	400	CWT	60.00	24,000
Hogs and Pigs	1991	275	690	CWT	53.60	37,000
	1990	300	750	CWT	52.00	39,000
TOTAL	1991					\$1,865,000
	1990					2,180,000

## LIVESTOCK AND APIARY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Wool	1991	5,000	LB.	\$.86	\$ 4,300
	1990	7,000	LB.	.86	6,000
Honey	1991	36,000	LB.	.85	30,600
	1990	36,000	LB.	.85	30,600
Beeswax	1991	500	LB.	1.40	700
	1990	500	LB.	1.80	900
TOTAL	1991				\$35,600
	1990				37,500

## JANUARY 1 INVENTORY OF LIVESTOCK — 1991 - 1992

Item	January 1, 1991	January 1, 1992
Cattle and Calves		
All	6,200	6,200
Milk Cows, 2 years and over	—	—
Sheep and Lambs	400	400
Hogs and Pigs	100	100

# RECAPITULATION

## PRODUCTION VALUES

	1991	1990
Vegetable Crops	\$ 33,263,000	\$ 34,102,000
Flower and Nursery Crops	167,028,000	168,477,000
Field Crops	1,087,000	1,107,000
Fruit and Nut Crops	1,155,000	975,000
Forest Products	1,627,000	2,033,000
Livestock	1,865,000	2,180,000
Livestock and Apiary Products	35,600	37,500
TOTAL	\$206,060,600	\$208,911,500

## MILLION DOLLAR CROPS

	1991	1990	Difference
Ornamental Nursery Stock	\$41,200,000	\$43,000,000	- 1,800,000
Chrysanthemum (potted)	11,182,000	11,081,000	+ 101,000
Orchids	8,526,000	—	—
Poinsettia (potted)	6,156,000	7,576,000	- 1,420,000
Roses	5,040,000	6,174,000	- 1,134,000
Lilies (potted)	3,888,000	3,798,000	+ 90,000
Christmas Trees	3,415,000	3,460,000	- 45,000
Artichokes	2,872,000	4,700,000	- 1,828,000
Carnations	2,597,000	2,331,000	+ 266,000
Iris	2,128,000	1,836,000	+ 292,000
Brussels Sprouts	2,064,000	2,303,000	- 239,000
Cattle and Calves	1,809,000	2,117,000	- 308,000
Forest Products	1,627,000	2,033,000	- 406,000
Bedding Plants	1,440,000	900,000	+ 540,000
Strawflowers	1,230,000	1,450,000	- 220,000
Beans, Snap	1,041,000	996,000	+ 45,000
Peas	1,036,000	1,053,000	- 17,000

## Department of Agriculture COASTSIDE RAIN STATIONS

	Half Moon Bay	Pescadero
1980/1981	33.03 inches	32.48 inches
1981/1982	42.49 inches	43.98 inches
1982/1983	50.95 inches	54.70 inches
1983/1984	25.87 inches	24.38 inches
1984/1985	27.39 inches	24.12 inches
1985/1986	33.76 inches	34.52 inches
1986/1987	19.58 inches	21.26 inches
1987/1988	14.34 inches	13.21 inches
1988/1989	13.79 inches	8.41 inches
1989/1990	11.87 inches	9.35 inches
1990/1991	13.43 inches	Unavailable

# SAN MATEO COUNTY ANNUAL SUSTAINABLE AGRICULTURE REPORT

## BIOLOGICAL CONTROL

Pest	Agent/Mechanism	Scope of Program
Ash White Fly	<u>Encarsia partenopea</u> wasp	12 sites
	<u>Clitostethus arcuatus</u> beetle	1 site
Elm Leaf Beetle	<u>Bacillus thuringensis</u> bacteria	1 site

## PEST MANAGEMENT

1750 pounds of bait were produced and sold to growers for rodent control.

## PEST DETECTION

Pest	Number of Detection Traps Deployed	Number of Detections
Mediterranean Fruit Fly	985	0
Mexican Fruit Fly	1,068	0
Oriental Fruit Fly	370	0
Gypsy Moth	580	0
Melon Fly	160	0
Japanese Beetle	406	0
Khapra Beetle	80	0
European Pine Shoot Moth	11	0
European Corn Borer	1	0
Nantucket Pine Tip Moth	18	0

Twenty Japanese Beetles were found at San Francisco International Airport on incoming flights. Two of these were found alive.

## PEST EXCLUSION

Type of Shipment	Number Inspected	Number Rejected
Mail	13,694	121
Truck	99,959	20
Air	23,290	50
Household Goods (Gypsy Moth)	195	2

## Exotic Pests Intercepted

Pest	Rating	Pest	Rating
<u>Radopholus similis</u> nematode	A	<u>Anoploleuis longipes</u> ant	Q
<u>Green Shield Scale</u>	A	<u>Myrmacinae</u> sp. ant	Q
<u>Lesser Snow Scale</u>	A	<u>Technomyrmex albigipes</u> ant	Q
<u>Magnolia White Scale</u>	A	Orchid Thrip	Q
<u>Red Wax Scale</u>	A	<u>Thrips Orientalis</u>	Q
<u>Trilobe Scale</u>	A	<u>Thrips palmii</u>	Q
<u>Kilixia acuminatun</u> scale	Q	<u>Macrosiphine</u> sp. aphid	Q
<u>Pinaspis uniloba</u> scale	Q	<u>Spodoptera eridania</u> army worm	Q
<u>Philephedra tuberculosa</u> scale	Q	<u>Tettigoniidae</u> sp. katydid	Q
<u>Spiraling Whitefly</u>	Q	<u>Typhlocyba</u> sp. leafhopper	Q
<u>Croton Whitefly</u>	Q	<u>Chrysodeixis eriosomas</u> looper	Q
<u>Paraleryrodes</u> sp. whitefly	Q	<u>Orthotylus</u> sp. plant bug	Q
<u>Big Headed Ant</u>	Q	<u>Veronicella</u> sp. slug	Q
<u>Black Headed Ant</u>	Q	<u>Tetranychidae</u> sp. mite	Q

\* Pest rating designation of "A" or "Q" requires that quarantined plant products be destroyed or shipped out of state.

## ORGANIC FARMING

Crop	Number of Farms	Estimated Acres
Vegetable	2	47
Fruit	1	½

