

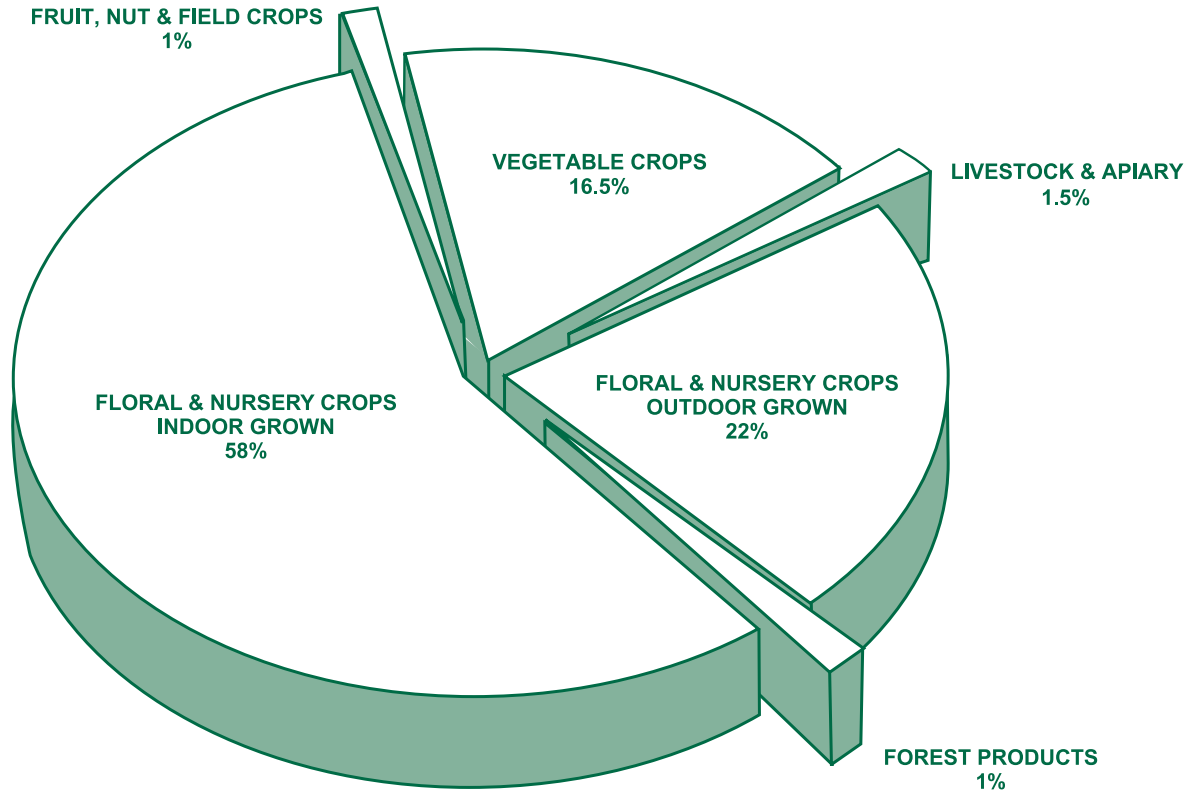
SAN MATEO COUNTY

2004 AGRICULTURAL CROP REPORT



SAN MATEO COUNTY 2004 CROP SUMMARY

TOTAL PRODUCTION VALUE \$181,536,000



On the Cover:

The Brussels sprouts and lighthouse on our 2004 Crop Report cover reflect the unique nature of San Mateo County coastal agriculture. Pigeon Point Lighthouse, constructed in November 1872, rises 115 feet over fields of Brussels sprouts south of Pescadero. Brussels sprouts are a common sight all along Highway 1 in San Mateo County. Our 1940 Agricultural Crop Report listed 2,071 acres of Brussels sprouts with a value of \$260,169. Although the acres of Brussels sprouts have dropped to 734, the 2004 value has risen to nearly six million dollars.

Pigeon Point Lighthouse was recently acquired by the California Department of Parks and Recreation. It has been closed to visitors since December 2001 due to structural deterioration; however, the California State Parks Foundation is spearheading a fundraising campaign to renovate the lighthouse and make this historical landmark accessible to the public.

Front cover photograph by Leonard Kuwahara

Back cover photograph by William Shek

SAN MATEO COUNTY ENVIRONMENTAL SERVICES AGENCY
DEPARTMENT OF AGRICULTURE / WEIGHTS & MEASURES
728 Heller Street • P.O. Box 999 • Redwood City, California 94064-0999
(650) 363-4700 • Fax 367-0130 • smateoag@co.sanmateo.ca.us

**SAN MATEO COUNTY
DEPARTMENT OF AGRICULTURE / WEIGHTS AND MEASURES**



A. G. Kawamura, Secretary
California Department of Food & Agriculture

and

San Mateo County Board of Supervisors

Mark Church, 1st District
Jerry Hill, 2nd District
Richard S. Gordon, 3rd District
Rose Jacobs Gibson, 4th District
Adrienne J. Tissier, 5th District

I am pleased to submit the 2004 Agricultural Crop Report for San Mateo County in compliance with Section 2279 of the California Food and Agricultural Code. Also included is the Sustainable Agriculture Report in accordance with Section 2272 of the Code.

The production values in this report represent gross values and do not reflect the cost of production. The total gross value of San Mateo County agricultural production for 2004 was \$181,536,000, a 0.51% increase from the total production value for 2003, (\$180,621,000). This value does not reflect the real impact agricultural production has on the local economy. For every dollar of agricultural production, a multiplier of 3.5 may be applied. Using this factor, the estimated economic impact on San Mateo County for 2004 was \$635,376,000.

Increased acreage and production for a number of crops contributed to overall increases in several crop categories: Floral and Nursery Crops Indoor Grown, Vegetable Crops and Fruit and Nut Crops. Outdoor Grown Floral and Nursery Crops declined slightly in value, but harvested acreage for outdoor cut flowers dropped 15% from 2003. Board feet of harvested timber decreased 30% from last year with a corresponding drop in value of \$779,000.

I wish to express my appreciation to all individuals, growers and agencies who contributed information for the preparation of this crop report, and especially to Ronald Pummer and Koren Widdel on my staff who compiled the report.

Respectfully submitted,

A handwritten signature in cursive script that reads "Gail M. Raabe".

Gail M. Raabe
Agricultural Commissioner
Sealer of Weights and Measures

FLORAL AND NURSERY CROPS INDOOR GROWN

Item	Year	Square Feet	Production	Unit	VALUE	
					Per Unit	Total
Cut Flowers						
Alstroemeria _____	2004	459,000	345,000	Bunch	\$ 2.00	\$ 690,000
	2003	469,000	338,000	Bunch	1.82	615,000
Carnations _____	2004	121,000	1,319,000	Bloom	0.20	264,000
	2003	196,000	1,825,000	Bloom	0.19	347,000
Lilies _____	2004	296,000	630,000	Bunch	4.09	2,577,000
	2003	295,000	463,000	Bunch	6.06	2,806,000
Snapdragons _____	2004	1,117,000	941,000	Bunch	2.74	2,578,000
	2003	1,121,000	967,000	Bunch	2.63	2,543,000
Miscellaneous _____	2004	652,000				1,601,000
Cut Flowers ¹ _____	2003	583,000				1,218,000
Potted Plants						
Flowering						
Chrysanthemums _____	2004	38,000	80,000	Pot	\$ 2.77	\$ 222,000
	2003	58,000	117,000	Pot	2.57	301,000
Lilies ² _____	2004	682,000	1,650,000	Pot	4.39	7,244,000
	2003	754,000	1,870,000	Pot	4.49	8,396,000
Orchids _____	2004	545,000	643,000	Pot	15.69	10,089,000
	2003	464,000	615,000	Pot	14.34	8,819,000
Poinsettias _____	2004	555,000	867,000	Pot	4.93	4,274,000
	2003	540,000	944,000	Pot	4.44	4,191,000
Miscellaneous ³ _____	2004	6,962,000				55,791,000
	2003	5,755,000				50,526,000
Foliage ⁴ _____	2004	2,139,000				17,060,000
	2003	2,738,000				21,283,000
Subtotal _____	2004	13,566,000				\$102,390,000
	2003	12,973,000				101,045,000
Propagated						
Bedding Plants _____ (Ivy, Impatiens, Marigolds, etc.)	2004	387,000				\$ 1,440,000
	2003	358,000				1,406,000
Cuttings and Liners _____ (Ferns, Hydrangea, Ivy, etc.)	2004	99,000				1,509,000
	2003	120,000				1,343,000
TOTAL _____	2004	14,052,000				\$105,339,000
	2003	13,451,000				103,794,000
Total Glass and Plastic Area _____ 6,352,000 Square Feet						

¹ Includes Chrysanthemum, Freesia, Gardenia, Roses, etc.

² Includes Calla Lilies, Easter Lilies, Hybrid Lilies, Oriental Lilies, etc.

³ Includes Azaleas, Campanula, Cyclamen, Freesia, Hydrangea, Roses, Tulips, etc.

⁴ Includes Dieffenbachia, Ficus, Ivy, Philodendron, Pothos, etc.

FLORAL AND NURSERY CROPS OUTDOOR GROWN

Item	Year	Acres	Production	Unit	VALUE	
					Per Unit	Total
Daisies _____	2004	22	250,000	Bunch	\$1.15	\$ 288,000
	2003	49	556,000	Bunch	1.05	584,000
Calla Lily _____	2004	28	96,000	Bunch	3.15	302,000
	2003	31	132,000	Bunch	3.26	430,000
Heather _____	2004	37	52,000	Bunch	2.27	118,000
	2003	44	70,000	Bunch	2.25	158,000
Iris _____	2004	14	338,000	Bunch	2.96	1,000,000
	2003	20	308,000	Bunch	2.72	838,000
Larkspur _____	2004	16	123,000	Bunch	2.70	332,000
	2003	16	80,000	Bunch	2.75	220,000
Stock _____	2004	68	159,000	Bunch	2.87	456,000
	2003	62	142,000	Bunch	2.95	419,000
Sunflowers _____	2004	29	118,000	Bunch	2.21	261,000
	2003	25	99,000	Bunch	2.24	222,000
Yarrow * _____	2004	46	283,000	Bunch	1.58	447,000
	2003	45	246,000	Bunch	1.50	369,000
Miscellaneous _____	2004	276				4,341,000
Flower / Foliage ²	2003	342				4,536,000
Subtotal _____	2004	536				\$ 7,545,000
	2003	634				7,776,000
Ornamentals						
Herbaceous _____	2004	16				\$ 2,469,000
Perennials ³	2003	16				2,419,000
Christmas Trees _____	2004	175				360,000
	2003	187				341,000
Nursery Stock ⁴ _____	2004	211				29,496,000
	2003	208				29,814,000
TOTAL _____	2004	938				\$39,870,000
	2003	1,045				40,350,000

1 Includes Fresh and Dried

2 Includes Dahlia, Delphinium, Eucalyptus, Gypsophila, Statice, etc.

3 Includes Cinerarias, Fuchsias, Impatiens, Primrose, etc.

4 Includes Heather, Mini Christmas trees, other trees and shrubs

* Previously included in Miscellaneous Flower/Foliage

VEGETABLE CROPS

Crop	Year	Acres	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Artichokes ¹ _____	2004	93	3.87	360	Ton	\$1,405.00	\$ 506,000
	2003	138	4.02	555	Ton	1,242.00	689,000
Beans, Snap _____	2004	158	3.38	534	Ton	1,213.00	648,000
	2003	155	2.76	428	Ton	1,127.00	482,000
Brussels Sprouts ¹ _____	2004	734	10.13	7,435	Ton	804.00	5,978,000
	2003	697	9.01	6,280	Ton	725.00	4,553,000
Leeks _____	2004	155	10.23	1,586	Ton	823.00	1,305,000
	2003	156	11.29	1,761	Ton	792.00	1,395,000
Mushrooms _____	2004	14					17,046,000
	2003	14					18,251,000
Peas _____	2004	267	1.81	483	Ton	1,101.00	532,000
	2003	282	1.85	522	Ton	1,041.00	543,000
Pumpkins _____	2004	242	11.43	2,766	Ton	202.00	559,000
	2003	252	11.31	2,850	Ton	196.00	559,000
Miscellaneous Vegetables ___ Field and Indoor Grown ²	2004	773					3,271,000
	2003	714					3,215,000
TOTAL _____	2004	2,436					\$29,845,000
	2003	2,408					29,687,000

¹ Includes Processed

² Beets, Cabbage, Corn, Herbs, Leaf Lettuce, Potatoes, Swiss Chard, Tomatoes, etc.

FIELD CROPS

Crop	Year	Acres	PRODUCTION		Unit	VALUE	
			Per Acre	Total		Per Unit	Total
Beans, Dry Edible ¹ _____	2004	50	0.81	41	Ton	\$3,400.00	\$139,000
	2003	200	0.75	150	Ton	2,000.00	300,000
Grain							
Oats _____	2004	200	0.80	160	Ton	400.00	64,000
	2003	200	0.80	160	Ton	400.00	64,000
Hay							
Oats _____	2004	300	2.92	876	Ton	191.00	167,000
	2003	300	4.18	1,254	Ton	128.00	161,000
Volunteer _____	2004	300	2.00	600	Ton	91.00	55,000
	2003	300	2.00	600	Ton	91.00	55,000
Pasture							
Irrigated _____	2004	300				140.00	42,000
	2003	300				140.00	42,000
Other _____	2004	30,000				9.00	270,000
	2003	30,000				9.00	270,000
TOTAL _____	2004	31,150					\$737,000
	2003	31,300					892,000

¹ Includes Cranberry, Fava, etc.

FRUIT AND NUT CROPS

Item	Year	Acres	Total Value
Bushberries _____	2004	28	\$ 374,000
	2003	29	248,000
Strawberries _____	2004	15	282,000
	2003	17	228,000
Wine Grapes _____	2004	86	417,000
	2003	60	363,000
Miscellaneous ¹ _____	2004	30	351,000
	2003	25	40,000
TOTAL _____	2004	159	\$1,424,000
	2003	131	879,000

¹ Includes Apples, Kiwi, Pears, Walnuts, etc.

LIVESTOCK

Item	Year	Number Head Sold	Total Value
Cattle and Calves _____	2004	2,272	\$1,267,000
	2003	2,750	1,321,000
Sheep and Lambs _____	2004	859	83,000
	2003	886	84,000
Hogs and Pigs _____	2004	1,436	226,000
	2003	1,429	225,000
Other ¹ _____	2004	2,025	201,000
	2003	2,101	204,000
TOTAL _____	2004		\$1,777,000
	2003		1,834,000

¹ Includes Chickens, Goats, Turkeys

LIVESTOCK AND APIARY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Honey _____	2004	34,000	LB.	\$3.49	\$119,000
	2003	50,000	LB.	1.60	80,000
Beeswax _____	2004	450	LB.	2.59	1,000
	2003	700	LB.	2.15	2,000
Other ¹ _____	2004				621,000
	2003				521,000
TOTAL _____	2004				\$741,000
	2003				603,000

¹ Includes Goat Cheese, Eggs, Wool

FOREST PRODUCTS

TOTAL _____	2004	3,799,000	Board Feet	\$1,803,000
	2003	5,441,000	Board Feet	2,582,000

Department of Agriculture COASTSIDE RAIN STATIONS

	Half Moon Bay	Pescadero
1991 / 1992 _____	25.31 inches	28.98 inches
1992 / 1993 _____	33.17 inches	29.87 inches
1993 / 1994 _____	17.93 inches	15.45 inches
1994 / 1995 _____	37.48 inches	31.00 inches
1995 / 1996 _____	30.69 inches	25.56 inches
1996 / 1997 _____	26.05 inches	19.31 inches
1997 / 1998 _____	50.69 inches	81.71 inches
1998 / 1999 _____	29.48 inches	22.63 inches
1999 / 2000 _____	31.54 inches	29.83 inches
2000 / 2001 _____	22.78 inches	20.13 inches
2001 / 2002 _____	*	22.06 inches
2002 / 2003 _____	*	24.95 inches
2003 / 2004 _____	23.15 inches	19.29 inches

*Data not available.

50 YEARS AGO...

Top Ten Agricultural Commodities in 1954

Item		TOTAL VALUE
1. Chrysanthemum (Field Grown) _____	196 Acres	\$1,604,080
2. Hogs _____	26,261 Head	1,302,556
3. Brussels Sprouts _____	2,738 Acres	1,233,438
4. Artichokes _____	1,791 Acres	873,292
5. Dairy Cattle _____	7,012 Head	778,140
6. Potted Plants (Glass House Grown) _____	534,923 Square Feet	695,400
7. Carnation (Glass House Grown) _____	566,204 Square Feet	668,121
8. Heather _____	353 Acres	568,330
9. Ducks _____	220,732 Birds	446,615
10. Fern (Glass House Grown) _____	675,343 Square Feet	351,178

RECAPITULATION

PRODUCTION VALUES

	2004	2003
FLORAL AND NURSERY CROPS	\$145,209,000	\$144,144,000
VEGETABLE CROPS	29,845,000	29,687,000
FOREST PRODUCTS	1,803,000	2,582,000
LIVESTOCK	1,777,000	1,834,000
FRUIT AND NUT CROPS	1,424,000	879,000
LIVESTOCK AND APIARY PRODUCTS	741,000	603,000
FIELD CROPS	737,000	892,000
TOTAL	\$181,536,000	\$180,621,000

MILLION DOLLAR CROPS

	2004	2003
Ornamental Nursery Stock	\$29,496,000	\$29,814,000
Potted Foliage Plants	17,060,000	21,283,000
Mushrooms	17,046,000	18,251,000
Orchids (potted)	10,089,000	8,819,000
Lilies (potted)	7,244,000	8,396,000
Brussels Sprouts	5,978,000	4,553,000
Poinsettia (potted)	4,274,000	4,191,000
Snapdragons	2,578,000	2,543,000
Lilies (cut)	2,577,000	2,806,000
Herbaceous Perennials	2,469,000	2,419,000
Forest Products	1,803,000	2,582,000
Cuttings and Liners	1,509,000	1,343,000
Bedding Plants	1,440,000	1,406,000
Leeks	1,305,000	1,395,000
Cattle and Calves	1,267,000	1,321,000
Iris (cut)	1,000,000	838,000

SAN MATEO COUNTY 2004 SUSTAINABLE AGRICULTURE REPORT

Sustainable Agriculture is the implementation of agricultural programs and practices designed to promote the economic viability of agriculture, while minimizing the impact of agricultural practices on natural resources and the environment. This report includes information on San Mateo County's programs for the eradication, control or detection of pests, as well as the enforcement of quarantines to exclude such pests. Also included is information on alternative pest control measures employed by the agricultural industry and organic farming.

— COUNTY PROGRAMS —

BIOLOGICAL CONTROL

Pest	Agent/Mechanism	Scope of Program
Yellow Star Thistle	<i>Bangasternus orientalis</i> , weevil <i>Eustenopus villosus</i> , weevil	Monitored established populations of these two bio-control agents at 13 sites.
	<i>Urophora sirunaseva</i> , gall fly	Monitored established populations at 5 sites.
Ash Whitefly	The release and natural disbursement of <i>Encarsia partenopea</i> and <i>Clitostethus arcuatus</i> since 1991 has been highly successful in keeping the Ash Whitefly under control. These bio-control agents have now become established and no further releases are planned.	

PEST ERADICATION

Skeletonweed, *Chondrilla juncea*, was treated at five locations. This is an "A" rated pest. Pests with this designation are detrimental to agriculture and require complete eradication.

PEST DETECTION

Insect Trapping for Exotic Pests

4,361 insect traps were depolyed for exotic pests, with 56,768 trap servicings during the year. This included traps for the following economically significant insects: Mediterranean Fruit Fly, Mexican and Oriental Fruit Fly, Melon Fly, Gypsy Moth, Japanese Beetle, Khapra Beetle, European Pine Shoot Moth, European Corn Borer and Glassy-winged Sharpshooter.

PEST EXCLUSION

Inspection of incoming shipments of plant products and other high risk articles to prevent the introduction of pests and diseases harmful to California's agricultural industry. Shipments are rejected due to the presence of live pests, improper container markings, or lack of valid certification.

Type of Shipment	Number Inspected	Number Rejected
Parcel Carriers_____	20,236	520
Truck_____	1,857	41
Air_____	6,289	607
Sea Containers_____	15	0
Household Goods_____	54	0
Other_____	12	6

EXOTIC PESTS INTERCEPTED*

Pest	Rating	Number of Interceptions	Pest	Rating	Number of Interceptions
<i>Aspidiotus destructor</i> coconut scale	A	7	Ants (various species)	Q	133
<i>Ceroplastes rusci</i> fig wax scale	A	2	Aphids (various species)	Q	18
<i>Chrysodeixis eriosoma</i> green garden looper	A	23	Beetles (various species)	Q	11
<i>Coccus viridis</i> green scale	A	3	Bugs (various species)	Q	39
<i>Cylas formicarius elegantulus</i> sweet potato weevil	A	3	Flys (various species)	Q	4
<i>Diastrophus radicum</i> root gall wasp	A	3	Katydid (various species)	Q	12
<i>Frankliniella tritici</i> eastern flower thrip	A	1	Leafhoppers & Planthoppers (various species)	Q	133
<i>Hemiberlesia palmarum</i> tropical palm scale	A	3	Mealybugs (various species)	Q	37
<i>Ostrinia nubilalis</i> european corn borer	A	1	Moths (various species)	Q	6
<i>Pinnaspis buxi</i> boxwood scale	A	41	Scales (various species)	Q	56
<i>Pinnaspis strachani</i> lesser snow scale	A	11	Slugs (various species)	Q	12
<i>Pomacea canaliculata</i> channeled apple snail	A	1	Snails (various species)	Q	7
<i>Pseudaulacaspis cockerelli</i> magnolia white scale	A	68	Whiteflies (various species)	Q	25
<i>Selenaspidus articulatus</i> rufous scale	A	1	Other	Q	29

* Pest rating of "A" or "Q" requires that quarantined plant products be destroyed, treated under departmental supervision, or shipped out of state.

— AGRICULTURAL INDUSTRY —

ALTERNATIVE PEST CONTROL MEASURES

The following alternative pest control methods are being utilized on indoor ornamentals, outdoor ornamentals, vegetables and fruit.

<i>Bacillus thuringiensis</i> , bacteria	Insecticidal Soaps	Parasitic Nematodes
Botanicals	Lacewings	Parasitic Wasps
Cover Crops	Ladybird Beetles	Predatory Mites
Crop Rotation	Mechanical	Refined Oils
Insect Growth Regulators	Mulch	Steam Sterilization of Soils
Insect Monitoring, Pheromone Traps		Weed Covers

ORGANIC FARMING

Crops

Number of Farms 9	Apples, apricots, artichokes, arugula, beans, berries, beets, broccoli, Brussels sprouts, cabbage, carrots, cauliflower, chard, corn, cucumbers, edible flowers, eggs, figs, flowers (cut and potted), garlic, herbs, kale, leeks, lemons, lettuce, nectarines, oats, onions, peaches, pears, peas, plums, potatoes, quince, radish, spinach, strawberries, squash, tomatoes, turnips, vegetable transplants, watermelon.
Estimated Acres 125	

SAN MATEO COUNTY
Department of Agriculture
Weights & Measures

728 Heller Street
P.O. Box 999
Redwood City, California 94064-0999

