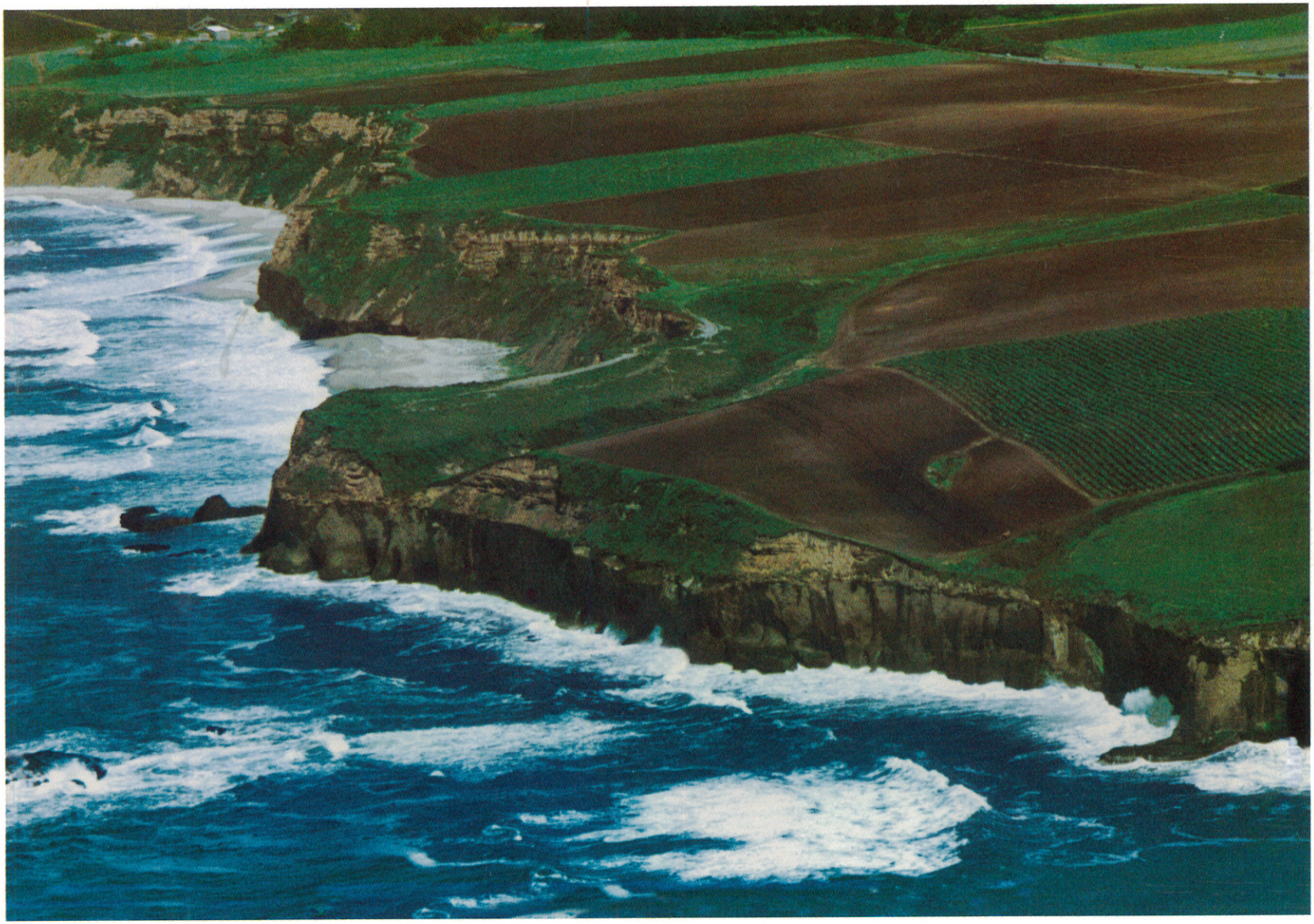
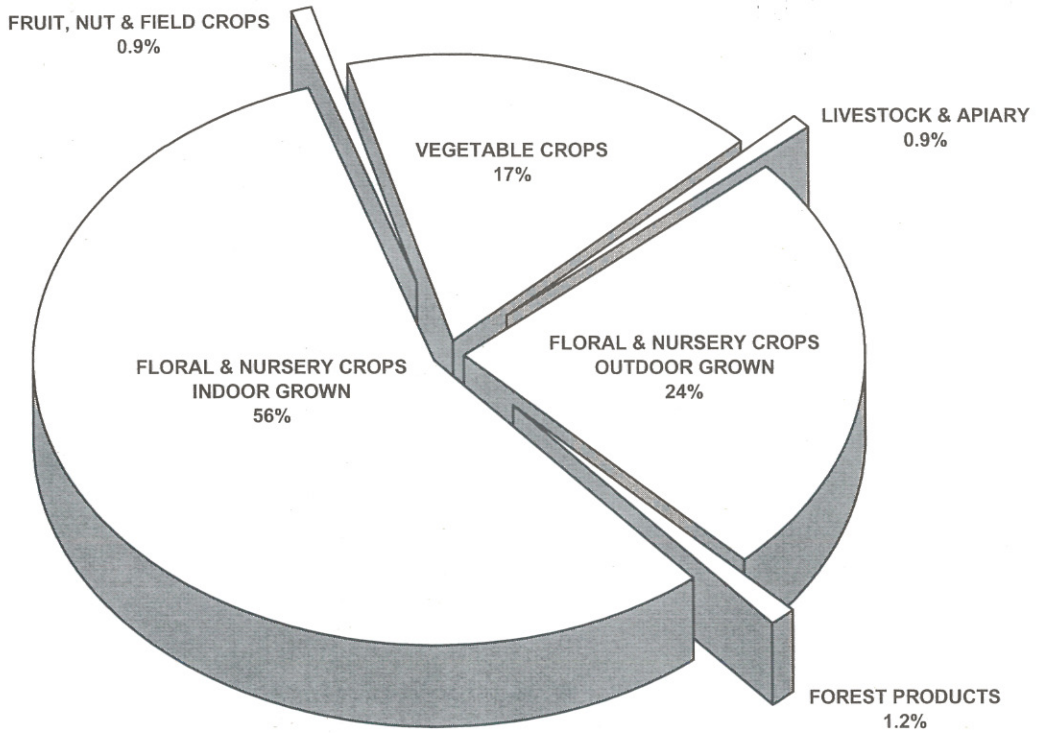
SAN MATEO COUNTY



1999 AGRICULTURAL CROP REPORT

SAN MATEO COUNTY 1999 CROP SUMMARY

TOTAL PRODUCTION VALUE $179,605,000



On The Cover:

Our 1999 Crop Report recognizes San Mateo County Brussels sprouts growers. For the 1999 crop year, San Mateo County growers harvested 812 acres of Brussels sprouts with a total production value of $3,409,000, making it our leading outdoor vegetable crop. The photograph shows fields of Brussels sprouts located south of Half Moon Bay along San Mateo County`s beautiful coast. Brussels sprouts were grown in Italy during Roman times and in other parts of Europe during the thirteenth century. The first plantings of Brussels sprouts on the central coast of California took place during the 1920s. Although they have a reputation for having a strong taste, our growers select varieties having a sweeter, milder flavor, making them popular for the fresh market.

Photograph by Annsofi.

SAN MATEO COUNTY DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES
728 Heller Street • P.O. Box 999 • Redwood City, California 94064-0999
(650) 363-4700 • FAX 367-0130

SAN MATEO COUNTY
DEPARTMENT OF AGRICULTURE/WEIGHTS AND MEASURES

William J. Lyons, Jr., Secretary
California Department of Food and Agriculture

and

San Mateo County Board of Supervisors
Mary Griffin, 1st District
Jerry Hill, 2nd District
Richard S. Gordon, 3rd District
Rose Jacobs Gibson, 4th District
Michael D. Nevin, 5th District

I am pleased to submit the 1999 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 1999 was $179,605,000. This represents a 1% decrease from the total production value for 1998, ($181,839,000). The total gross value does not reflect the real impact agricultural production has on the local economy. For every dollar of agricultural production, a multiplier factor of 3.5 may be applied. Using this factor, the estimated economic impact on San Mateo County for 1999 was $628,617,500.

La Niña played a major role in the decrease in agricultural production. Spring rains and cool weather destroyed some crops and prevented other crops from being planted. Most crops that were planted had lower yields or poor quality adding to the decrease in production value for 1999. Twenty-one days of rain in February had a disasterous effect on the artichoke crop.

Board feet and value of harvested timber increased, resulting in a 56% jump over the 1998 value. Potted plants and indoor cut flowers helped offset the poor production resulting from La Niña`s effects with an increase in production value of 5.3 million dollars. This helped to offset total production value losses to a small degree.

I wish to express my appreciation to all individuals, growers and agencies who contributed information for the preparation of this crop report. Special thanks goes to Ronald Pummer on my staff who helped compile the report.

Respectfully submitted,

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	VALUE Total
Cut Flowers						
Alstroemeria	1999	546,000	425,000	Bunch	$ 1.86	$ 791,000
	1998	550,000	428,000	Bunch	2.07	886,000
Carnations	1999	581,000	5,598,000	Bloom	.22	1,232,000
	1998	564,000	4,634,000	Bloom	.23	1,066,000
Lilies	1999	205,000	232,000	Bunch	5.85	1,357,000
	1998	195,000	215,000	Bunch	6.50	1,398,000
Snapdragons	1999	1,166,000	930,000	Bunch	2.68	2,492,000
	1998	1,164,000 *	1,084,000 *	Bunch	2.50	2,710,000 *
Miscellaneous Cut Flowers [1]	1999	1,060,000				3,590,000
	1998	1,012,000				3,169,000
Potted Plants						
Flowering						
Chrysanthemums	1999	99,000	444,000	Pot	2.94	1,305,000
	1998	129,000	544,000	Pot	2.75	1,496,000
Lilies [2]	1999	770,000	1,447,000	Pot	4.45	6,439,000
	1998	780,000	1,449,000	Pot	3.85	5,579,000
Orchids	1999	463,000	407,000	Pot	11.75	4,782,000
	1998	381,000	253,000	Pot	14.00	3,542,000
Poinsettias	1999	603,000	926,000	Pot	4.30	3,982,000
	1998	561,000	768,000	Pot	4.25	3,264,000
Miscellaneous [3]	1999	6,287,000				47,460,000
	1998	7,160,000				45,273,000
Foliage [4]	1999	3,315,000				25,104,000
	1998	3,501,000				24,551,000
Subtotal	1999	15,095,000				$ 98,534,000
	1998	15,997,000 *				92,934,000 *
Propagated						
Bedding Plants (Ivy, Impatiens, Marigolds, etc.)	1999	332,000				1,281,000
	1998	402,000				1,547,000
Cuttings and Liners (Ferns, Hydrangea, Ivy, etc.)	1999	178,000				515,000
	1998	178,000				515,000
TOTAL	1999	15,605,000				$ 100,330,000
	1998	16,577,000				94,996,000 *

Total Glass and Plastic Areas ..... 5,775,000 Square Feet

1 Includes Chrysanthemum, Freesia, Gardenia, Roses, etc.
2 Includes Calla Lilies, Easter Lilies, Hybrid Lilies, Oriental Lilies, etc.
3 Includes Azaleas, Cyclamen, Gardenias, Gerberas, Hydrangea, Primula, Roses, Tulips, etc.
4 Includes Dieffenbachia, Ficus, Ivy, Philodendron, Pothos, etc.
* Revised

FLORAL AND NURSERY CROPS OUTDOOR GROWN

Item	Year	Acres	Production	Unit	VALUE Per Unit	VALUE Total
Daisies	1999	85	1,048,000	Bunch	$ 1.01	$ 1,058,000
	1998	108	1,184,000	Bunch	.92	1,089,000
Gypsophila	1999	30	192,000	Bunch	1.99	382,000
	1998	30	210,000	Bunch	1.97	414,000
Heather	1999	52	104,000	Bunch	2.07	215,000
	1998	50	138,000	Bunch	2.03	280,000
Iris	1999	45	1,125,000	Bunch	2.67	3,004,000
	1998	48	916,000	Bunch	2.90	2,656,000
Larkspur	1999	30	122,000	Bunch	2.59	316,000
	1998	24	172,000	Bunch	2.80	482,000
Stock	1999	89	331,000	Bunch	2.45	811,000
	1998	90	319,000	Bunch	2.35	750,000
Strawflowers [1]	1999	46	231,000	Bunch	1.10	254,000
	1998	47	118,000	Bunch	1.60	189,000
Sunflowers	1999	34	106,000	Bunch	2.40	254,000
	1998	33	278,000	Bunch	2.35	653,000
Miscellaneous	1999	307				3,415,000
Flower/Foliage [2]	1998	261				3,740,000
Subtotal	1999	718				$ 9,709,000
	1998	691				10,253,000
Ornamentals						
Herbaceous	1999	18				$ 2,314,000
Perennials [3]	1998	20				2,533,000
Christmas Trees	1999	150				259,000
	1998	130				144,000
Nursery Stock [4]	1999	183				30,230,000
	1998	193				30,694,000
TOTAL	1999	1,069				$ 42,512,000
	1998	1,034				43,624,000

1 Includes Fresh and Dried.
2 Includes Calla Lily, Delphinium, Eucalyptus, Pittosporum, Statice, Yarrow, etc.
3 Includes Cinerarias, Fuchsias, Impatiens, Primrose, etc.
4 Includes Heather, Mini Christmas trees, other trees and shrubs.

VEGETABLE CROPS

Crop	Year	Acres	PRODUCTION Per Acre	PRODUCTION Total	Unit	VALUE Per Unit	VALUE Total
Artichokes[1]	1999	281	1.98	556	Ton	$ 888.00	$ 494,000
	1998	432	2.06	890	Ton	1,019.00	907,000
Beans, Snap	1999	135	2.68	362	Ton	1,106.00	400,000
	1998	187	2.51	469	Ton	1,350.00	633,000
Brussels Sprouts[1]	1999	812	7.62	6,187	Ton	551.00	3,409,000
	1998	777	5.41	4,204	Ton	558.00	2,350,000
Leeks	1999	182	10.42	1,896	Ton	563.00	1,067,000
	1998	178	12.58	2,239	Ton	479.00	1,072,000
Mushrooms	1999	17					20,423,000
	1998	17					23,109,000
Peas	1999	414	1.69	700	Ton	902.00	631,000
	1998	486	1.47	714	Ton	866.00	618,000
Pumpkins	1999	233	11.49	2,677	Ton	153.00	410,000
	1998	240	14.49	3,478	Ton	125.00	435,000
Miscellaneous Vegetables Field and Indoor Grown[2]	1999	801					4,173,000
	1998	719					9,431,000
TOTAL	1999	2,875					$31,007,000
	1998	3,036					38,555,000

1 Includes Processed.
2 Includes Cabbage, Corn, Herbs, Leaf lettuce, Potatoes, Spinach, Swiss chard, etc.

FIELD CROPS

Crop	Year	Acres	PRODUCTION Per Acre	PRODUCTION Total	Unit	VALUE Per Unit	VALUE Total
Beans, Dry Edible[1]	1999	200	1.00	200	Ton	$2,000.00	$ 400,000
	1998	200	1.00	200	Ton	729.00	146,000
Grain							
Barley	1999	*	*	*	*	*	*
	1998	200	.84	168	Ton	120.00	20,000
Oats	1999	600	1.12	672	Ton	520.00	349,000
	1998	1,100	.86	946	Ton	520.00	492,000
Hay							
Oats	1999	500	1.00	500	Ton	100.00	50,000
	1998	1,500	1.00	1,500	Ton	100.00	150,000
Volunteer	1999	300	1.50	450	Ton	80.00	36,000
	1998	300	1.50	450	Ton	80.00	36,000
Pasture							
Irrigated	1999	300				140.00	42,000
	1998	300				140.00	42,000
Other	1999	30,000				9.00	270,000
	1998	30,000				9.00	270,000
TOTAL	1999	31,900					$ 1,147,000
	1998	33,600					1,156,000

* None reported planted in 1999
1 Includes Cranberry,Fava, etc.

FRUIT AND NUT CROPS

Item	Year	Acres	Total Value
Bushberries	1999	29	$ 126,000
	1998	30	194,000
Strawberries	1999	16	217,000
	1998	23	241,000
Wine Grapes	1999	40	130,000
	1998	54	122,000
Miscellaneous [1]	1999	54	118,000
	1998	54	119,000
TOTAL	1999	139	$ 591,000
	1998	161	676,000

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

LIVESTOCK

Item	Year	Number Head Sold	Total Value
Cattle and Calves	1999	2,400	$ 975,000
	1998	1,800	796,000
Sheep and Lambs	1999	1,010	89,000
	1998	400	29,000
Hogs and Pigs	1999	1,252	96,000
	1998	900	99,000
Other [1]	1999	1,400	168,000
	1998	1,400	168,000
TOTAL	1999		$ 1,328,000
	1998		1,092,000

1 Includes chickens, goats, turkeys

LIVESTOCK AND APIARY PRODUCTS

Item	Year	Production	Unit	VALUE	
				Per Unit	Total
Honey	1999	36,000	LB.	$ 1.50	$ 54,000
	1998	43,000	LB.	3.00	129,000
Beeswax	1999	500	LB.	2.00	1,000
	1998	500	LB.	6.50	3,000
Other [1]	1999				195,000
	1998				51,000
TOTAL	1999				$ 250,000
	1998				183,000

1 Includes goat cheese, eggs, milk

FOREST PRODUCTS

TOTAL	1999	4,675,000 Board Feet	$2,440,000
	1998	3,561,000 Board Feet	1,557,000

Department of Agriculture

COASTSIDE RAIN STATIONS

	Half Moon Bay	Pescadero
1988/1989	13.79 inches	8.41 inches
1989/1990	11.87 inches	9.35 inches
1990/1991	13.43 inches	21.10 inches
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

50 YEARS AGO . . . . .

Top Ten Agricultural Commodities in 1949

ITEM		TOTAL VALUE
1. Brussels Sprouts	2,074 Acres	$1,902,440
2. Dairy Cattle	9,830 Head	1,860,807
3. Hogs	27,033 Head	1,356,862
4. Artichokes	1,749 Acres	1,178,550
5. Chrysanthemums (Field Grown)	209 Acres	1,108,472
6. Gardenias (Glass House Grown)	591,300 Square Feet	670,260
7. Heather	300 Acres	450,000
8. Flax (seed)	8,900 Acres	427,200
9. Ferns	853,348 Square Feet	426,647
10. Ducks	189,044 Birds	395,074

RECAPITULATION

PRODUCTION VALUES

	1999	1998
FLOWER AND NURSERY CROPS	$142,842,000	$138,620,000 *
VEGETABLE CROPS	31,007,000	38,555,000
FOREST PRODUCTS	2,440,000	1,557,000
FIELD CROPS	1,147,000	1,156,000
LIVESTOCK	1,328,000	1,092,000
FRUIT AND NUT CROPS	591,000	676,000
LIVESTOCK AND APIARY PRODUCTS	250,000	183,000
TOTAL	$179,605,000	$181,839,000 *

MILLION DOLLAR CROPS

	1999	1998
Ornamental Nursery Stock	$30,230,000	$30,694,000
Potted Foliage Plants	25,104,000	24,551,000
Mushrooms	20,423,000	23,109,000
Lilies (potted)	6,439,000	5,579,000
Orchids (potted)	4,782,000	3,542,000
Poinsettia (potted)	3,982,000	3,264,000
Brussels Sprouts	3,409,000	2,350,000
Iris	3,004,000	2,656,000
Snapdragons	2,492,000	2,710,000 *
Forest Products	2,440,000	1,557,000
Herbaceous Perennials	2,314,000	2,533,000
Lilies (cut)	1,357,000	1,398,000
Chrysanthemum (potted)	1,305,000	1,496,000
Bedding Plants	1,281,000	1,547,000
Carnations	1,232,000	1,066,000
Leeks	1,067,000	1,072,000
Daisies	1,058,000	1,089,000

* Revised

SAN MATEO COUNTY
1999 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	Bangasternus orientalis, weevil Eustenopus villosus, weevil	Monitored established populations of these two bio-control agents at 13 sites.
	Urophora sirunaseva, gall fly	Monitored established populations at 5 sites.
Ash Whitefly	The release and natural disbursement of Encarsia partenopea and Clitostethus arcuatus 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 two 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

3,833 insect traps were deployed for exotic pests, with 43,224 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 and European Corn Borer.

Five adult male gypsy moths, Lymantria dispar, were found in two areas of the County. Additional traps were set within one square mile of each find for a total of 150 traps. No additional gypsy moths were detected.

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	17,053	156
Truck	2,134	75
Air	10,969	232
Sea Containers	4	1
Household Goods	116	0

EXOTIC PESTS INTERCEPTED *

Pest	Rating	Number of Interceptions	Pest	Rating	Number of Interceptions
Aluerocanthus woglumi, citrus blackfly	A	1	Ants (various species)	Q	82
Anastrepha ludens, Mexican fruit fly	A	2	Aphids (various species)	Q	5
Anastrepha suspensa, Caribbean fruit fly	A	1	Beetles (various species)	Q	5
Aonidiella orientalis, oriental scale	A	1	Cutworms (various species)	Q	2
Aspidiotus destructor, coconut scale	A	1	Ferret	Q	1
Chrysodeixis eriosoma, green garden looper	A	4	Katydids (various species)	Q	4
Coccus viridis, green scale	A	7	Leafhoppers (various species)	Q	14
Howardia biclavis, mining scale	A	1	Mealybugs (various species)	Q	11
Pinnaspis buxi, boxwood scale	A	1	Nematode	Q	1
Pinnaspis strachani, lesser snow scale	A	2	Scale Insects (various species)	Q	6
Pseudaulacaspis cockerelli, magnolia white scale	A	7	Slugs & Snails (various species)	Q	11
Pseudaulacaspis pentagona, white peach scale	A	1	Spittlebug	Q	1
Selenaspidus articulatus, rufus scale	A	1	Thrips	Q	1
Solenopsis invicta, red imported fire ant	A	4	Weeds (various species)	Q	18
Spodoptera latifascia, an armyworm	A	1	Whiteflies (various species)	Q	11

*Pest rating designation 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.

Bacillus thuringiensis, bacteria
Lacewings
Ladybird Beetles
Parasitic Nematodes
Parasitic Wasps
Predatory Mites
Insect Monitoring, Pheromone Traps
Botanicals
Insect Growth Regulators
Insecticidal soaps
Refined Oils
Cover Crops
Crop Rotation
Steam Sterilization of soils
Weed Covers

ORGANIC FARMING

Number of Farms
8

Estimated Acres
114

Crops

Apples, arugula, artichokes, beans, berries, beets, broccoli, cabbage, carrots, chard, collard greens, cucumbers, eggs, eggplant, flowers (edible), flowers (cut), garlic, herbs, horseradish, kale, leeks, lemons, lettuce, onions, peas, peppers, potatoes, spinach, squash, tomatoes, vegetable transplants, watermelon.

SAN MATEO COUNTY
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