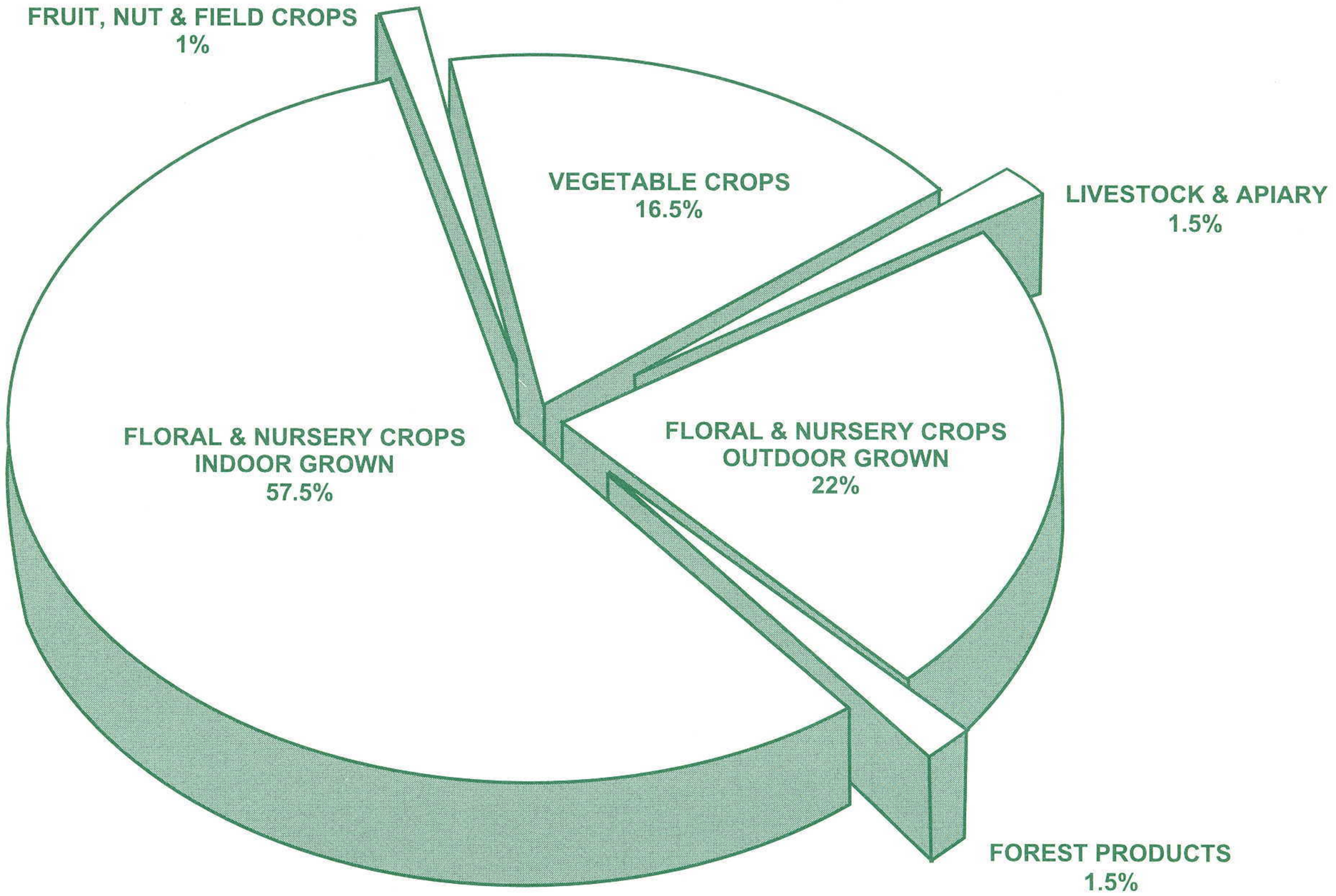
SAN MATEO COUNTY

2003 AGRICULTURAL CROP REPORT

SAN MATEO COUNTY 2003 CROP SUMMARY

TOTAL PRODUCTION VALUE $180,621,000



On the Cover:

Our 2003 Crop Report recognizes the 41 flowering potted plant growers in San Mateo County. Two of the largest potted plant nurseries in the nation are located in San Mateo County, giving San Mateo County's agricultural industry a wider economic base. Over 100 varieties of potted plants, from abutilon to zygocatus, are grown in San Mateo County, filling our greenhouses with color. Flowering potted plants make up 40% of the total county crop production value for 2003. The front cover shows potted *Hydrangea* plants which are produced by eight growers. The back cover shows *Phalaenopsis* orchids. Twenty growers produce a wide variety of orchids.

Photographs by John Beall

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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
Michael D. Nevin, 5th District

I am pleased to submit the 2003 Agricultural Crop Report for San Mateo County in compliance with Section 2279 of the California Food and Agricultural Code. Also included is the Sustainable Agricultural 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 2003 was $180,621,000. This represents a 1.38% decrease from the total production value for 2002 ($183,148,000). 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 of 3.5 may be applied. Using this factor, the estimated economic impact on San Mateo County for 2003 was $632,173,500.

Although total production value was down in 2003, acres in production for outdoor grown floral and nursery crops and vegetables increased by 198 acres or 6% over the 2002 totals. A major factor in the decline in total production value for this year was an 18% decrease in mushroom production.

The publication of the 2003 Agricultural Crop Report provides an opportunity to reflect back on the great success and lasting importance of the 2003 San Mateo County Agricultural Summit held in February 2003. As the host of this one day event, the Board of Supervisors provided an excellent venue for the discussion of major issues facing our agricultural industry. Over 200 participants affirmed their commitment to work together to ensure the long-term viability of agriculture in San Mateo County.

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 Melo 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	2003	469,000	338,000	Bunch	$ 1.82	$ 615,000
	2002	507,000	515,000	Bunch	1.62	834,000
Carnations	2003	196,000	1,825,000	Bloom	0.19	347,000
	2002	234,000	2,224,000	Bloom	0.20	445,000
Lilies	2003	295,000	463,000	Bunch	6.06	2,806,000
	2002	272,000	319,000	Bunch	6.05	1,930,000
Snapdragons	2003	1,121,000	967,000	Bunch	2.63	2,543,000
	2002	1,161,000	1,574,000	Bunch	2.52	3,966,000
Miscellaneous	2003	583,000				1,218,000
Cut Flowers [1]	2002	637,000				1,977,000
Potted Plants						
Flowering						
Chrysanthemums	2003	58,000	117,000	Pot	$ 2.57	$ 301,000
	2002	58,000	165,000	Pot	2.54	419,000
Lilies [2]	2003	754,000	1,870,000	Pot	4.49	8,396,000
	2002	772,000	1,836,000	Pot	4.42	8,115,000
Orchids	2003	464,000	615,000	Pot	14.34	8,819,000
	2002	456,000	593,000	Pot	12.96	7,685,000
Poinsettias	2003	540,000	944,000	Pot	4.44	4,191,000
	2002	540,000	949,000	Pot	4.45	4,223,000
Miscellaneous [3]	2003	5,755,000				50,526,000
	2002	5,813,000				50,537,000
Foliage [4]	2003	2,738,000				21,283,000
	2002	2,738,000				21,483,000
Subtotal	2003	12,973,000				$101,045,000
	2002	13,188,000				101,614,000
Propagated						
Bedding Plants	2003	358,000				$ 1,406,000
(Ivy, Impatiens, Marigolds, etc.)	2002	348,000				1,379,000
Cuttings and Liners	2003	120,000				1,343,000
(Ferns, Hydrangea, Ivy, etc.)	2002	120,000				1,342,000
TOTAL	2003	13,451,000				$103,794,000
	2002	13,656,000				104,335,000

Total Glass and Plastic Area _____ 5,697,000 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.

FLORAL AND NURSERY CROPS OUTDOOR GROWN

Item	Year	Acres	Production	Unit	VALUE Per Unit	VALUE Total
Daisies	2003	49	556,000	Bunch	$1.05	$ 584,000
	2002	69	721,000	Bunch	1.03	743,000
Calla Lily	2003	31	132,000	Bunch	3.26	430,000
	2002	39	171,000	Bunch	3.29	563,000
Heather	2003	44	70,000	Bunch	2.25	158,000
	2002	44	75,000	Bunch	2.27	170,000
Iris	2003	20	308,000	Bunch	2.72	838,000
	2002	21	307,000	Bunch	2.80	860,000
Larkspur	2003	16	80,000	Bunch	2.75	220,000
	2002	16	130,000	Bunch	2.54	330,000
Stock	2003	62	142,000	Bunch	2.95	419,000
	2002	63	151,000	Bunch	2.96	447,000
Strawflowers [1]	2003	35	77,000	Bunch	1.53	118,000
	2002	35	81,000	Bunch	1.51	122,000
Sunflowers	2003	25	99,000	Bunch	2.24	222,000
	2002	29	104,000	Bunch	2.20	229,000
Miscellaneous	2003	352				4,787,000
Flower / Foliage [2]	2002	283				3,724,000
Subtotal	2003	634				$ 7,776,000
	2002	599				7,188,000
Ornamentals						
Herbaceous	2003	16				$ 2,419,000
Perennials [3]	2002	15				2,324,000
Christmas Trees	2003	187				341,000
	2002	155				374,000
Nursery Stock [4]	2003	208				29,814,000
	2002	208				29,814,000
TOTAL	2003	1,045				$40,350,000
	2002	977				39,700,000

1 Includes Fresh and Dried
2 Includes Dahlia, Delphinium, Eucalyptus, Gypsophila, 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]	2003	138	4.02	555	Ton	$1,242.00	$ 689,000
	2002	136	3.56	484	Ton	1,019.00	493,000
Beans, Snap	2003	155	2.76	428	Ton	1,127.00	482,000
	2002	195	2.92	569	Ton	1,093.00	622,000
Brussels Sprouts [1]	2003	697	9.01	6,280	Ton	725.00	4,553,000
	2002	611	10.12	6,183	Ton	580.00	3,586,000
Leeks	2003	156	11.29	1,761	Ton	792.00	1,395,000
	2002	155	9.37	1,452	Ton	593.00	861,000
Mushrooms	2003	14					18,251,000
	2002	17					23,006,000
Peas	2003	282	1.85	522	Ton	1,041.00	543,000
	2002	311	1.87	582	Ton	1,088.00	633,000
Pumpkins	2003	252	11.31	2,850	Ton	196.00	559,000
	2002	244	12.71	3,101	Ton	283.00	878,000
Miscellaneous Vegetables	2003	714					3,215,000
Field and Indoor Grown [2]	2002	609					4,091,000
TOTAL	2003	2,408					$29,687,000
	2002	2,278					34,170,000

1 Includes Processed
2 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]	2003	200	0.75	150	Ton	$2,000.00	$300,000
	2002	200	0.75	150	Ton	2,000.00	300,000
Grain							
Oats	2003	200	0.80	160	Ton	400.00	64,000
	2002	200	0.80	160	Ton	400.00	64,000
Hay							
Oats	2003	300	4.18	1,254	Ton	128.00	161,000
	2002	300	1.25	375	Ton	125.00	47,000
Volunteer	2003	300	2.00	600	Ton	91.00	55,000
	2002	300	2.00	600	Ton	91.00	55,000
Pasture							
Irrigated	2003	300				140.00	42,000
	2002	300				140.00	42,000
Other	2003	30,000				9.00	270,000
	2002	30,000				9.00	270,000
TOTAL	2003	31,300					$892,000
	2002	31,300					778,000

1 Includes Cranberry, Fava, etc.

FRUIT AND NUT CROPS

Item	Year	Acres	Total Value
Bushberries	2003	29	$ 248,000
	2002	29	348,000
Strawberries	2003	17	228,000
	2002	16	297,000
Wine Grapes	2003	60	363,000
	2002	64	389,000
Miscellaneous [1]	2003	25	40,000
	2002	15	97,000
TOTAL	2003	131	$ 879,000
	2002	124	1,131,000

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

LIVESTOCK

Item	Year	Number Head Sold	Total Value
Cattle and Calves	2003	2,750	$1,321,000
	2002	2,620	1,065,000
Sheep and Lambs	2003	886	84,000
	2002	851	82,000
Hogs and Pigs	2003	1,429	225,000
	2002	1,437	226,000
Other [1]	2003	2,101	204,000
	2002	2,032	207,000
TOTAL	2003		$1,834,000
	2002		1,580,000

1 Includes Chickens, Goats, Turkeys

LIVESTOCK AND APIARY PRODUCTS

				VALUE	
Item	Year	Production	Unit	Per Unit	Total
Honey	2003	50,000	LB.	$1.60	$ 80,000
	2002	50,000	LB.	1.60	80,000
Beeswax	2003	700	LB.	2.15	2,000
	2002	700	LB.	2.15	2,000
Other [1]	2003				521,000
	2002				196,000
TOTAL	2003				$603,000
	2002				278,000

1 Includes Goat Cheese, Eggs, Wool

FOREST PRODUCTS

TOTAL	2003	5,441,000 Board Feet	$2,582,000
	2002	2,878,000 Board Feet	1,176,000

Department of Agriculture
COASTSIDE RAIN STATIONS

	Half Moon Bay	Pescadero
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
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

*Data not available.

50 YEARS AGO...

Top Ten Agricultural Commodities in 1953

Item			TOTAL VALUE
1. Brussels Sprouts	2,276	Acres	$2,486,530
2. Hogs	32,377	Head	2,035,495
3. Chrysanthemum (Field Grown)	209	Acres	1,573,314
4. Dairy Cattle	6,849	Head	892,325
5. Artichokes	1,941	Acres	698,760
6. Heather	385	Acres	664,125
7. Potted Plants (Glass House Grown)	500,279	Square Feet	625,349
8. Carnation (Glass House Grown)	518,029	Square Feet	563,773
9. Ducks	229,500	Birds	472,125
10. Fern (Glass House Grown)	727,827	Square Feet	378,471

RECAPITULATION

PRODUCTION VALUES

	2003	2002
FLORAL AND NURSERY CROPS	$144,144,000	$144,035,000
VEGETABLE CROPS	29,687,000	34,170,000
FOREST PRODUCTS	2,582,000	1,176,000
LIVESTOCK	1,834,000	1,580,000
FIELD CROPS	892,000	778,000
FRUIT AND NUT CROPS	879,000	1,131,000
LIVESTOCK AND APIARY PRODUCTS	603,000	278,000
TOTAL	$180,621,000	$183,148,000

MILLION DOLLAR CROPS

	2003	2002
Ornamental Nursery Stock	$29,814,000	$29,814,000
Potted Foliage Plants	21,283,000	21,483,000
Mushrooms	18,251,000	23,006,000
Orchids (potted)	8,819,000	7,685,000
Lilies (potted)	8,396,000	8,115,000
Brussels Sprouts	4,553,000	3,586,000
Poinsettia (potted)	4,191,000	4,223,000
Lilies (cut)	2,806,000	1,930,000
Forest Products	2,582,000	1,176,000
Snapdragons	2,543,000	3,966,000
Herbaceous Perennials	2,419,000	2,324,000
Bedding Plants	1,406,000	1,379,000
Leeks	1,395,000	861,000
Cuttings and Liners	1,343,000	1,342,000
Cattle and Calves	1,321,000	1,065,000

SAN MATEO COUNTY
2003 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 four 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

4,731 insect traps were depolyed for exotic pests, with 64,815 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	21,045	492
Truck	2,269	61
Air	9,916	1,451
Sea Containers	44	0
Household Goods	50	0
Other	41	29

EXOTIC PESTS INTERCEPTED*

Pest	Rating	Number of Interceptions	Pest	Rating	Number of Interceptions
Adoretus sinicus chinese rose beetle	A	3	***Pseudococcus elisae*** elisa mealybug	A	3
Aspidiotus destructor coconut scale	A	7	***Solenopsis invicta*** red imported fire ant	A	2
Ceroplastes rubens red wax scale	A	1	***Unaspis citri*** citrus snow scale	A	2
Ceroplastes rusci figwax scale	A	1	**Ants** (various species)	Q	503
Chrysodeixis eriosoma green garden looper	A	25	**Aphids** (various species)	Q	26
Clavaspis herculeana herculeana scale	A	2	**Beetles** (various species)	Q	31
Coccus viridis green scale	A	1	**Bugs** (various species)	Q	64
Diastrophus radicum root gall wasp	A	4	**Flys** (various species)	Q	9
Dysmicoccus grassi alazon mealybug	A	3	**Katydids** (various species)	Q	32
Hemiberlesia palmae tropical palm scale	A	8	**Leafhoppers & Planthoppers** (various species)	Q	327
Howardia biclavis mining scale	A	4	**Mealybugs** (various species)	Q	40
Pinnaspis buxi boxwood scale	A	59	**Moths** (various species)	Q	121
Pinnaspis strachani lesser snow scale	A	39	**Scales** (various species)	Q	114
Protaetia fusca mango flower beetle	A	4	**Slugs** (various species)	Q	28
Pseudaulacaspis cockerelli magnolia white scale	A	89	**Snails** (various species)	Q	12
Pseudaulacaspis pentagona white peach scale	A	1	**Whiteflys** (various species)	Q	121
Pseudococcus cryptus mealybug	A	1	**Other**	Q	128

* 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.

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
9

Estimated Acres
165

Crops

Apples, arugula, artichokes, beans, berries, beets, broccoli, Brussels sprouts, cabbage, cantaloupes, carrots, cauliflower, chard, corn, cucumbers, edible flowers, eggs, eggplant, flowers (cut), garlic, hay (oat), herbs, kale, leeks, lemons, lettuce, mushrooms, onions, pears, peas, peppers, plums, potatoes, radish, shallots, spinach, strawberries, squash, tomatoes, turnips, vegetable transplants, watermelon.

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