

# **Agricultural Production Report**

## **2010**

### **Santa Barbara County**



*The cover . . .*

*. . . depicts just one example of the uses of modern technology that local farmers utilize to stay competitive in a global economy. Here, cucumbers are being grown hydroponically in a state-of-the-art greenhouse.*

*The cover was designed by Gus Maio with digital images from Matt Victoria. Many thanks to Cindy Weber for all her help in producing this year's crop report.*



# Agricultural Commissioner's Office

Weights & Measures ■ County of Santa Barbara

April 18, 2011

**The Honorable Board of Supervisors**

Santa Barbara County

and

**Karen Ross, Secretary**

California Department of Food and Agriculture

I am pleased to submit the 2010 Santa Barbara County Agricultural Production Report. This annual report presents statistical information on the acreage, yield, and value of Santa Barbara County's agricultural products.

Agriculture continues to be the County's major producing industry. The 2010 gross production was valued at \$1,219,995,405. This is a \$21.4 million (1.7%) decrease in gross value when compared with the 2009 figure. In spite of the decrease, 2010 was the fifth year in a row that agriculture surpassed the one billion dollar benchmark.

Santa Barbara County's diversified agriculture continues to provide a strong base for our local economy. Through the multiplier effect, it has a local impact in excess of \$2.4 billion dollars.

It must be emphasized that the values in this report are gross values and in no way reflect net income. All of the various costs of production must be subtracted to determine the net income.

I wish to express my appreciation for the cooperation of all the growers, organizations and individuals who provided the information necessary for this report and special thanks to the members of my staff who worked so hard at compiling it.

Respectfully submitted,

Cathleen M. Fisher

Agricultural Commissioner

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# Vegetable Crops

Item	Year	Harvested Acreage	Yield Per Acre	Total Production	Unit	Wt.	Price Per Unit	Total Value
Bell Pepper	2010	327	1,286.67	420,741	CTN	25#	\$7.35	\$3,092,446
	2009	331	1,359.20	449,895	CTN	25#	\$7.62	\$3,428,201
Broccoli	2010	26,395	621.47	16,403,700	CTN	22#	\$7.47	\$122,535,639
	2009	26,293	670.70	17,634,715	CTN	22#	\$8.50	\$149,895,078
Cabbage	2010	870	821.28	714,514	CTN	50#	\$6.78	\$4,844,405
	2009	887	837.78	743,110	CTN	50#	\$6.86	\$5,097,740
Cauliflower	2010	7,805	761.07	5,940,151	CTN	25#	\$8.03	\$47,699,415
	2009	7,819	770.00	6,020,630	CTN	25#	\$10.50	\$63,216,615
Celery	2010	3,591	1,171.17	4,205,671	CTN	60#	\$9.70	\$40,795,009
	2009	3,588	1,166.82	4,186,550	CTN	60#	\$9.76	\$40,860,729
Lettuce, Head	2010	10,238	711.59	7,285,258	CTN	50#	\$10.50	\$76,495,209
	2009	10,215	656.69	6,708,088.4	CTN	50#	\$9.25	\$62,049,817
Lettuce, Leaf	2010	3,871	627.55	2,429,246	CTN	30#	\$10.23	\$24,851,187
	2009	4,074	650.20	2,648,914.8	CTN	30#	\$10.83	\$28,687,747
Spinach	2010	1,150	856.70	985,205	CTN	20#	\$9.92	\$9,773,234
	2009	1,092	859.60	938,683.2	CTN	20#	\$9.69	\$9,095,840
Squash, Summer	2010	915	735.95	673,394	CTN	26#	\$7.04	\$4,740,694
	2009	1,013	737.94	747,533.22	CTN	26#	\$6.94	\$5,187,880
Miscellaneous	2010	10,227						\$101,462,164
	2009	10,463						\$101,795,607
<b>Total</b>	2010	65,389						\$436,289,402
	2009	65,775						\$469,315,254

# Fruit and Nut Crops

Item	Year	Harvested Acreage	Yield Per Acre	Total Production	Unit	Price Per Unit	Total Value
Avocados	2010	7,427	3.85	28,594	TON	\$1820.76	\$52,062,811
	2009	7,520	3.09	23,236	TON	\$2028.22	\$47,129,342
Wine Grapes	2010	21,753	3.8	82,661	TON	\$1,178	\$97,374,658
	2009	22,050	4.5	99,225	TON	\$1,385.00	\$137,426,625
Lemons	2010	1,407	18.05	25,396	TON	\$501.23	\$12,729,237
	2009	1,448	17.83	25,817	TON	\$570.35	\$14,725,205
Strawberries Total	2010	7,680	---	---	---	---	\$392,302,468
	2009	7,550	---	---	---	---	\$344,614,465
Fresh	2010	---	4,349	33,400,333	12#	\$10.51	\$351,037,500
	2009	---	4,311	32,548,050	12#	\$9.20	\$299,442,060
Processing	2010	---	9.27	71,187	TON	\$579.67	\$41,264,968
	2009	---	9.50	71,725	TON	\$629.80	\$45,172,405
Miscellaneous	2010	1,615					\$3,725,407
	2009	1,395					\$3,500,019
<b>Total</b>	2010	39,882					\$558,194,581
	2009	39,963					\$547,395,656

# Nursery Products

<b>Cut Flowers:</b>	<b>Year</b>	<b>Greenhouse Sq. Ft.</b>	<b>Field Acres</b>	<b>Total Value</b>
<b>Chrysanthemum</b>	<b>2010</b>	<b>1,702,939</b>	<b>2.02</b>	<b>\$8,475,218</b>
	2009	1,750,220	1.55	\$8,608,491
<b>Dahlia</b>	<b>2010</b>		<b>29</b>	<b>\$2,836,113</b>
	2009		26	\$2,423,807
<b>Gerbera</b>	<b>2010</b>	<b>3,404,040</b>	<b>---</b>	<b>\$26,671,770</b>
	2009	3,135,640	---	\$25,911,900
<b>Iris</b>	<b>2010</b>	<b>67,739</b>	<b>28.73</b>	<b>\$3,013,768</b>
	2009	68,000	28.05	\$3,724,376
<b>Lily</b>	<b>2010</b>	<b>3,440,400</b>	<b>24.3</b>	<b>\$25,117,254</b>
	2009	3,319,174	23.5	\$22,493,289
<b>Miscellaneous Cut Flowers</b>	<b>2010</b>	<b>5,010,314</b>	<b>1,126.7</b>	<b>\$40,986,573</b>
	2009	5,008,752	1,174.8	\$40,901,375
<b>Total Cut Flowers</b>	<b>2010</b>	<b>13,625,432</b>	<b>1,210.75</b>	<b>\$107,100,696</b>
	2009	13,281,786	1,253.9	\$104,063,238
<b>Cut Foliage</b>	<b>2010</b>	<b>6,000</b>	<b>5.4</b>	<b>\$123,084</b>
	2009	---	4.3	\$71,310
<b>Potted Plants:</b>				
<b>Foliage</b>	<b>2010</b>	<b>524,926</b>	<b>---</b>	<b>\$1,024,715</b>
	2009	530,826	---	\$1,916,703
<b>Orchid</b>	<b>2010</b>	<b>2,395,978</b>	<b>15</b>	<b>\$11,378,657</b>
	2009	2,397,230	15	\$11,191,660
<b>Poinsettia</b>	<b>2010</b>	<b>232,581</b>	<b>---</b>	<b>\$746,832</b>
	2009	214,000	---	\$665,489
<b>Miscellaneous Potted Plants</b>	<b>2010</b>	<b>1,680,859</b>	<b>34.29</b>	<b>\$15,291,939</b>
	2009	1,676,932	34.22	\$15,265,787
<b>Other Nursery Products</b> (Includes Herbaceous Perennials, Ground Covers, Turf, Bulbs, Bedding Plants, Vegetable Transplants, Fruit Trees and Vines, Woody Ornamentals, and Ground Covers)	<b>2010</b>	<b>2,055,763</b>	<b>380.22</b>	<b>\$36,712,434</b>
	2009	2,056,236	386.19	\$37,148,087
<b>TOTAL</b>	<b>2010</b>	<b>20,521,539</b>	<b>1,645.66</b>	<b>\$172,378,357</b>
	2009	20,157,010	1,693.61	\$170,322,274

# Field Crops

Item	Year	Harvested Acreage	Yield Per Acre	Total Production	Unit	Price Per Unit	Total Value
Beans, Dry Edible	2010	3,170	18.77	59,500.9	CWT	\$56.99	\$3,390,956
	2009	3,265	18.85	61,545.25	CWT	\$57.88	\$3,562,239
Alfalfa	2010	564	6.93	3,908.52	CWT	\$195.61	\$764,546
	2009	564	6.84	3,857.76	CWT	\$195.61	\$754,616
Hay, Grain	2010	4,505	2.87	12,929.35	TON	\$166.92	\$2,158,167
	2009	4,515	2.87	12,958.05	TON	\$167.07	\$2,164,901
Pasture, Irrigated	2010	5,300				\$120.00	\$636,000
	2009	5,300				\$120.00	\$636,000
Non-Irrigated	2010	584,125				\$7.25	\$4,234,906
	2009	584,125				\$7.25	\$4,234,906
Silage	2010	2,009	11.90	23,907.10	TON	\$27.89	\$666,769
	2009	2,013	11.85	23,854.05	TON	\$28.50	\$679,840
Miscellaneous	2010	945					\$239,107
	2009	945					\$239,107
<b>Total</b>	2010	600,618					\$12,090,451
	2009	600,727					\$12,271,609

# Livestock and Poultry

Item	Year	Number of Head	Total Liveweight	Unit	Price Per Unit	Total Value
Cattle and Calves	2010	37,022	240,783	CWT	\$86.22	\$20,760,310
	2009	37,694	245,011	CWT	\$85.75	\$21,009,693
Miscellaneous	2010					\$2,415,858
	2009					\$2,598,731
Total	2010					\$23,176,168
	2009					\$23,608,424

# Livestock, Poultry, & Apiary Products

Item	Year	Total Value
Miscellaneous	2010	\$8,088,609
	2009	\$8,150,727
Total	2010	\$8,088,609
	2009	\$8,150,727

# Seed Crops

Item	Year	Harvested Acreage	Yield Per Acre	Total Production	Unit	Price Per Unit	Total Value
Bean Seed	2010	723	21.95	15,870	CWT	\$74.27	\$1,178,665
	2009	723	21.91	15,841	CWT	\$73.89	\$1,170,491
Flower Seed	2010	681					\$5,737,369
	2009	752					\$6,335,539
Vegetable Seed	2010	732					\$2,861,803
	2009	724					\$2,830,527
Total	2010	2,136					\$9,777,837
	2009	2,199					\$10,336,557

## MISCELLANEOUS CROPS

### VEGETABLE CROPS

**Includes:** Anise, artichoke, arugula, asparagus, baby vegetables, basil, beets, brussels sprouts, carrots, celery root, chard, cherry tomatoes, chervil, chili peppers, Chinese cabbage, cilantro, sweet corn, collard greens, cucumber, dandelion, eggplant, endive, escarole, frisee, green beans, Indian corn, kale, kohlrabi, leeks, processed lettuce, mache, mizuma, mustard greens, dry onions, green onions, parsley, peaches, peas (edible pod), potato, processed celery, radicchio, radish, winter squash, tomatillos, tomatoes, and upland cress.

### FRUIT AND NUT CROPS

**Includes:** Apple, apricot, blackberry, blueberry, cherimoya, guava, lime, melons, olive, oranges, passion fruit, peach, pears, persimmon, pistachio, plum, pluot, pumpkin, raspberry, sapote, tangerines, walnut, and watermelon.

### NURSERY PRODUCTS

#### **Cut flowers**

**Includes:** Agapanthus, alstromeria, anemone, anthurium, aster, bells of Ireland, Bird of Paradise, buplurium, calla lily, carnation, celosia, delphinium, dianthus, freesia, gardenia, gladiola, gypsophlia, hyacinth, hydrangea, kangaroo paw, larkspur, liatris, limonium, lisianthus, maine blue, misty, monte casino, narcissus, orchid, ornithogalum, protea, Queen Anne's lace, ranunculus, rose, safari sunset, scented geranium, snapdragon, solidago, solidaster, statice, stephanotis, stock, sunflower, sweet pea, tuberose, tulip, and veronica.

#### **Potted plants**

**Includes:** Anthurium, begonia, calla lily, corn pepper strawflower, cyclamen, exacum, fuchsia, geranium, gerbera, hydrangea, ivy, kalanchoe cineraria, lavender, lily, ornamental pepper, primrose, and rose.

### FIELD CROPS

**Includes:** Straw, small grains, and pea hay.

### LIVESTOCK AND POULTRY

**Includes:** Aquaculture, breeding stock, chickens, goats, sheep, and swine.

### LIVESTOCK, POULTRY AND APIARY PRODUCTS

**Includes:** Apiary products (honey, bees wax, pollen, and pollination), milk, and milk products.

## MILLION DOLLAR PRODUCTS

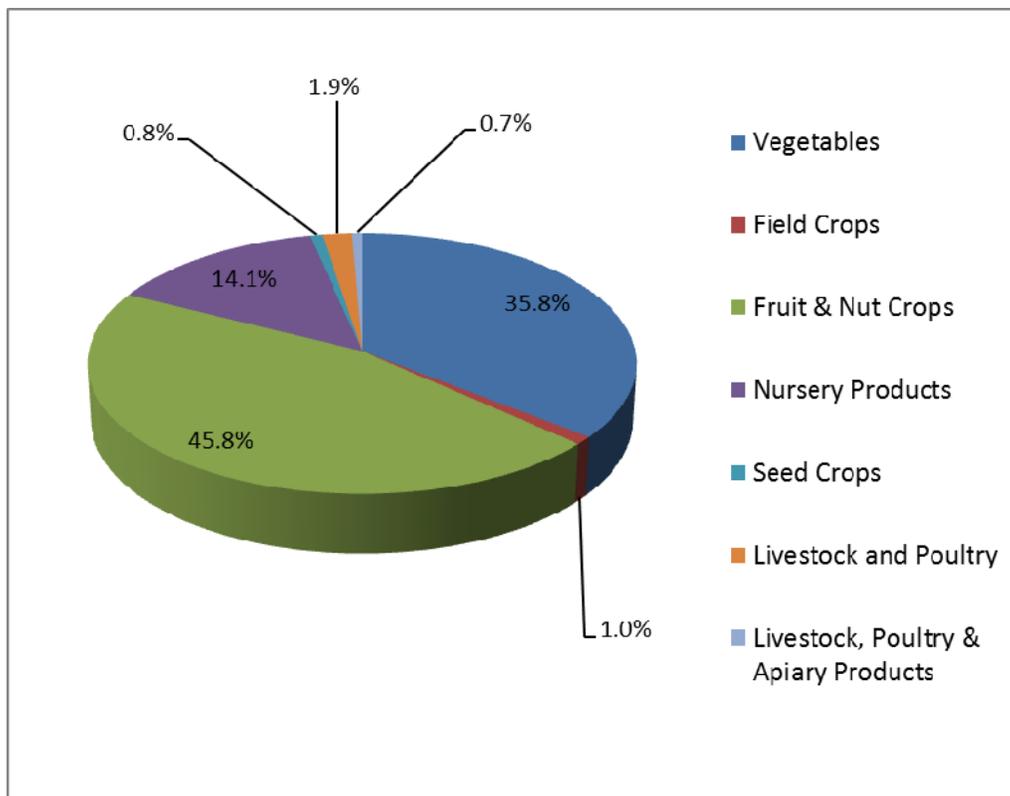
### 2010 Ranking

### 2009

1	Strawberries	\$392,302,468	1
2	Broccoli	\$122,535,639	2
3	Wine Grapes	\$97,374,658	3
4	Head Lettuce	\$76,495,209	5
5	Avocados	\$52,062,811	6
6	Cauliflower	\$47,699,415	4
7	Celery	\$40,795,009	7
8	Gerbera Cut Flowers	\$26,671,770	9
9	Lily Cut Flowers	\$25,117,254	10
10	Leaf Lettuce	\$24,851,187	8
11	Cattle	\$20,760,310	11
12	Lemons	\$12,729,237	12
13	Orchid Potted Plants	\$11,378,657	13
14	Spinach	\$9,773,234	14
15	Chrysanthemum Cut Flowers	\$8,475,218	15
16	Flower seed	\$5,737,369	16
17	Cabbage	\$4,844,405	18
18	Summer Squash	\$4,740,694	17
19	Dry Edible Beans	\$3,390,956	20
20	Bell Peppers	\$3,092,446	21
21	Iris Cut Flowers	\$3,013,768	19
22	Vegetable Seed	\$2,861,803	22
23	Dahlia Cut Flowers	\$2,836,113	23
24	Grain Hay	\$2,158,167	24
25	Bean Seed	\$1,178,665	26
26	Foliage Potted Plants	\$1,024,715	25

# Summary

		ACREAGE	FOB VALUE
Vegetable Crops	2010	65,389	\$436,289,402
	2009	65,775	\$469,315,254
Fruit & Nut Crops	2010	39,882	\$558,194,581
	2009	39,963	\$547,395,656
Nursery Products	2010	2,117	\$172,378,357
	2009	2,156	\$170,322,274
Field Crops	2010	600,618	\$12,090,451
	2009	600,727	\$12,271,609
Seed Crops	2010	2,136	\$9,777,837
	2009	2,199	\$10,336,557
Livestock and Poultry	2010		\$23,176,168
	2009		\$23,608,424
Livestock, Poultry & Apiary Products	2010		\$8,088,609
	2009		\$8,150,727
<b>Total</b>	2010	<b>710,142</b>	<b>\$1,219,995,405</b>
	2009	710,820	\$1,241,400,501



## COMPARATIVE AGRICULTURAL VALUES

<b>2010</b> .....	<b>\$1,219,995,405</b>
2009 .....	\$1,241,400,501
2008 .....	\$1,137,350,118
2007 .....	\$1,103,322,033
2006 .....	\$1,016,735,144
2005 .....	\$997,600,578
2004 .....	\$905,387,495
2003 .....	\$858,016,583
2002 .....	\$771,662,986
2001 .....	\$709,117,112
2000 .....	\$735,003,901
1999 .....	\$656,969,259
1998 .....	\$611,859,484
1997 .....	\$625,974,591
1996 .....	\$581,637,098
1995 .....	\$539,328,233
1994 .....	\$509,777,967
1993 .....	\$500,517,903
1992 .....	\$443,228,285
1991 .....	\$500,067,241

## SUSTAINABLE AGRICULTURE

### BIOLOGICAL CONTROL EFFORTS

<u>PEST</u>	<u>BIO-CONTROL AGENT</u>	<u>SCOPE OF PROGRAM</u>
Ash Whitefly <i>Siphonius phillyreae</i>	Hymenoptera (parasitic wasp) <i>Encarsia partenopea</i>	County-wide+
Western Grapeleaf Skeletonizer <i>Harrisina brillians</i>	Diptera (larval parasitic fly) <i>Ametadoria sp.</i>	6 sites (Cuyama Valley)+
Grape Leafhopper <i>Erythroneura elegantula</i>	Hymenoptera (egg parasitic wasp) <i>Anagrus epos</i>	200 acres (Santa Ynez)
Russian Wheat Aphid <i>Diuraphis noxia</i>	Hymenoptera (parasitic wasps) <i>Aphelinus sp.</i> <i>Diaeretiella rapae</i>	40 acres (north County)+
Woolly Whitefly <i>Aleurothrixus floccosus</i>	Hymenoptera (parasitic wasps) <i>Cales sp.</i> <i>Amitus sp.</i>	Various sites (County-wide)+
Horn and Face Flies <i>Musca autumnalis</i> <i>Haematobia irritans</i>	Coleoptera: Scarabaeidae <i>Onthophagus taurus</i> <i>O. gazella</i> <i>O. alexis</i>	76,000 acres (County-wide)
Ice Plant Scale <i>Pulvinaria mesembryanthemi</i>	Hymenoptera (parasitic wasp) <i>Metaphycus sp.</i>	Various sites (County-wide)+
Eugenia Psyllid <i>Trioza eugeniae</i>	Hymenoptera (parasitic wasp) Eulophidae: <i>Tamarixia sp.</i>	Various sites (County-wide)+
Blue Gum Psyllid <i>Ctenarytaina eucalypti</i>	Hymenoptera (parasitic wasp) <i>Psyllaephagus pilosus</i>	Various sites (County-wide)+
Red Gum Lerp Psyllid <i>Glycaspis brimblecombei</i>	Hymenoptera (parasitic wasp) <i>Psyllaephagus bliteus</i>	Various sites (County-wide)
Eucalyptus Longhorned Borer <i>Phoracantha semipunctata</i>	Hymenoptera (parasitic wasps) <i>Avetianella longoi</i> (egg parasite) <i>Syngaster lepidus</i> (larval parasite) <i>Doryctes sp.</i> (larval parasite)	Various sites (County-wide)
Eucalyptus Snout Beetle <i>Gonipterus scutellatus</i>	Hymenoptera (parasitic wasp) <i>Anaphes nitens</i>	3 sites (south coast)

**Sustainable Agriculture cont.**

**BIOLOGICAL CONTROL EFFORTS**

<b><u>PEST</u></b>	<b><u>BIO-CONTROL AGENT</u></b>	<b><u>SCOPE OF PROGRAM</u></b>
Yellow Starthistle <i>Centaurea solstitialis</i> Forest)	<i>Bangasternus orientalis</i> (a bud weevil) <i>Eustenopus villosus</i> (Hairy weevil)  <i>Larinus curtis</i> (a flower weevil) Diptera: Tephritidae <i>Urophora sirunaseva</i> (a gall fly) <i>Chaetorellia succineas</i> (seedhead fly) <i>Puccinia jaceae</i> (a rust disease)	Several sites (National Forest) Various sites (National Forest)  2 sites (National Forest)  3 sites (National Forest) 2 sites (National Forest) 1 site (National Forest)
Italian Thistle <i>Carduus pycnocephalus</i>	Coleoptera: Curculionidae <i>Rhinocyllus conicus</i>	Various sites (500 acres)
Puncture Vine <i>Tribulus terrestris</i>	Coleoptera: Curculionidae <i>Microlarinus spp.</i>	3 sites (County-wide)
Giant Whitefly <i>Dialeurodicus dugesii</i>	Hymenoptera (parasitic wasps) <i>Entedononecremnus krauteri</i> (larval parasite) <i>Encarsiella noyesii</i> (larval parasite) <i>Idioporus affinis</i> (larval parasite)	Various sites (south coast)
Olive Fruit Fly <i>Bactocera oleae</i>	Hymenoptera (larval parasitic wasps) <i>Tsyttalia concolor</i> & <i>lounsburyi</i> <i>Utetes africanus</i>	Various sites (south coast)
Nesting Whitefly <i>Paraleurodes minei</i>	Coleoptera: Coccinellidae <i>Nephaspis sp</i> (a ladybug)	3 sites (south coast)
Australian Tortoise Beetle <i>Trachymela sloanei</i>	Hymenoptera (parasitic wasp) <i>Enoggera reticulata</i>	1 site (Goleta)
Eucalyptus Snout Beetle <i>Gonipterus scutellatus</i>	Hymenoptera (egg parasite) <i>Amaphes nitens</i>	3 sites (south coast)
Giant Reed <i>Arundo donax</i>	hand/mechanical removal	1000 pounds removed

+ Bio-control agent effectively controlling target pest in Santa Barbara County.

## **Sustainable Agriculture cont.**

### **ORGANIC FARMING**

112 Organic Farms were registered in Santa Barbara County in 2010. Utilizing organic principles as required by the California Organic Products Act of 2004, these farms produce a wide variety of crops.

#### **VEGETABLE CROPS**

**Includes:** Anise, arugula, asparagus, basil, beans, beets, bell peppers, broccoli, cabbage, carrots, cauliflower, celery, chard, cherry tomato, chicory, chili peppers, chives, cilantro, corn, cucumber, eggplant, endive, fennel, garlic, gourmet specialty vegetables, green onions, herbs, kale, kohlrabi, lettuce, leeks, mizuna, mushrooms, mustard greens, onions, oriental vegetables, parsley, peas, potato, pumpkin, radish, rhubarb, spinach, squash, sweet potato, tomato, tomatillo, turnip, and vegetable transplants.

#### **FRUIT AND NUT CROPS**

**Includes:** Apple, apricot, avocado, banana, cherimoya, fig, grapefruit, grape, guava, jujube, kiwi, lemon, lime, loquat, macadamia nut, mandarin, melon, nectarine, olive, orange, passion fruit, peach, persimmon, plum, pluot, raspberry, sapote, strawberry, tangelo, tangerine, and watermelon.

#### **FIELD CROPS**

**Includes:** Pasture and rangeland.

#### **NURSERY PRODUCTS**

**Includes:** Cactus, potted plants, and potted herbs.

**PEST EXCLUSION**

<b>PEST (RATING)</b>	<b>HOST/MECHANISM/ORIGIN</b>	<b>NUMBER/DISPOSITION</b>
<b>SCALE INSECTS:</b>		
Herclueana Scale (A) <i>Clavaspis herculeana</i>	Nursery Stock/Common Carrier/Hawaii	2 Rejected/Destroyed
Mining Scale (A) <i>Howardia biclavis</i>	Nursery Stock/Commercial Carrier/Hawaii	1 Rejected/Returned
Red Wax Scale (A) <i>Ceroplastes rubens</i>	Lei/Common Carrier/Hawaii	1 Rejected/Destroyed
Magnolia White Scale (A) <i>Pseudaulacaspis cockerelli</i>	Lei/Common Carrier/Brazil	1 Rejected/Destroyed
Magnolia White Scale (A) <i>Pseudaulacaspis cockerelli</i>	Nursery Stock /Retail Store/San Diego	3 Rejected/Destroyed
Rufous scale (A) <i>Selenaspilus articulatus</i>	Mango/Common Carrier/Peru	2 Rejected/Destroyed
Unidentified soft scale sp. (Q) Coccidae	Cut Flowers/Common Carrier/Unknown	1 Rejected/Destroyed
Fig wax scale (Q) <i>Ceroplastes rusci</i>	Nursery Stock/Retail Store/San Diego	1 Rejected/Destroyed
Cycad Aulacaspis Scale (Q) <i>Aulacaspis yasumatsui</i>	Nursery Stock/Carrier/Hawaii	1 Rejected/Destroyed
Armored scale (Q) <i>Acutaspis</i> sp.	Nursery Stock/Incoming Shipment/Hawaii	1 Rejected/Destroyed
Unidentified soft scale sp. (Q) Coccidae	Nursery Stock/Incoming Shipment/Unknown	1 Rejected/Destroyed
Chaff scale (B) <i>Parlatoria pergandii</i>	Grapefruit/ Common Carrier/Texas	1 Rejected/Destroyed
California red scale (B) <i>Aonidiella aurantii</i>	Tangerine/Common Carrier/Florida	1 Rejected/Destroyed
Purple scale (B) <i>Lepidosaphes beckii</i>	Tangerine/Common Carrier/Florida	1 Rejected/Destroyed
<b>BEETLE:</b>		
Dunnage Beetle (A) <i>Sinoxylon anale</i>	Wood Pallets/Container Transport/India	1 Detected/Treated

**Sustainable Agriculture cont.**

**ANT:**

Whitefooted Ant (Q) <i>Technomyrmex albipes</i>	Cut flowers/Common Carrier/Hawaii	1 Detected/Destroyed
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**LEAFHOPPER:**

Unidentified sp. (Q) Ciccadellidae	Nursery Stock/Incoming Shipment/Hawaii	1 Detected/Released
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**PEST EXCLUSION**

<b>PEST (RATING)</b>	<b>HOST/MECHANISM/ORIGIN</b>	<b>NUMBER/DISPOSITION</b>
<b>MEALYBUG:</b>		
Giant bamboo mealybug (Q) <i>Palmicultor lumpurensis</i>	Bamboo/Nursery Inspection/California	1 Detected/Treated
<b>PSYLLID:</b>		
Tipu psyllid (Q) <i>Platycorpha nigrivirga</i>	Tipu tree/ Inspection/California	1 Detected/Treated
<b>FLY:</b>		
A leafminer fly (Q) <i>Melanagromyza</i> sp.	Marigold/Submitted/California	1 Detected/Collected
<b>FUNGUS:</b>		
Fusarium wilt of Palm (A) <i>Fusarium oxysporum f. sp. Canariensis</i>	Nursery Stock/Survey/California	4 Detected/Destroyed
Chrysanthemum White Rust (Q) <i>Puccinia horiana</i>	Nursery Stock/Survey/California	19 Detected/Destroyed
Chrysanthemum White Rust (Q) <i>Puccinia horiana</i>	Cut Flowers/Common Carrier/California	2 Rejected/Destroyed

Rating definitions:

"A" - An organism of known economic importance subject to enforcement action involving eradication, quarantine regulation, containment, rejection, or other holding action.

"Q" - An organism or disorder requiring temporary "A" action pending determination of a permanent quarantine rating. The organism is suspected to be of economic importance, but its status is uncertain because of incomplete identification or inadequate information.

"B" – An organism of known economic importance subject to: eradication, containment, control, or other holding action at the discretion of the individual County Agricultural Commissioner.

## **DEPARTMENT STAFF**

### **Commissioner/Sealer**

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### **Assistant Commissioner/Sealer**

vacant

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Brian Cabrera

### **Plant Pathologist**

Heather Scheck

### **Supervising Agricultural Biologist**

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### **Agricultural Program Specialist**

David Chang

### **Computer System Specialist**

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