

LOS ANGELES COUNTY

AGRICULTURAL COMMISSIONER/
WEIGHTS AND MEASURES DEPARTMENT



1999
Crop Report



COUNTY OF LOS ANGELES

*Department of
Agricultural Commissioner
and Weights and Measures*

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Arcadia, California 91006-5872*

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**William J. Lyons, Jr., Secretary
California Department of Food and Agriculture
and
the Honorable Board of Supervisors
County of Los Angeles**

Gloria Molina, Chair - First District

Yvonne Brathwaite Burke - Second District

Zev Yaroslavsky - Third District

Don Knabe - Fourth District

Michael D. Antonovich - Fifth District

1999 CROP REPORT

The overall gross value of agricultural crops and products in Los Angeles County for 1999 was **\$253,010,000**. The gross value of agricultural production decreased slightly, for the first time since 1992, to a total of \$253 million, a decrease of 2.88% from last year's \$260.5 million dollars.

The production of nursery stock continues to be our leading crop, producing \$179,804,000 in 1999. However, there was a 3.1% decrease from the 1998 production of \$185,592,500. Nursery production declined slightly as nursery growing grounds, primarily under electrical power line rights-of-way, were diverted to other uses.

On the brighter side, agricultural production in the Antelope Valley continues to flourish as vegetable crop production showed an 8.1% increase in 1999 with a total of \$42,648,300. Additional acres of root crops, primarily carrots, herbs, table greens, vine crops, and other miscellaneous vegetables accounted for the increase in production.

Although considered a major metropolitan county with 9.8 million residents, Los Angeles County produces more than 25 types of crops including 13 million dollar crops: ornamental trees and shrubs, bedding plants, root vegetables, peaches, dry onions, indoor plants, alfalfa hay, strawberries, herbs, ground covers, vine crops, table greens and rangeland.

I wish to express my sincere appreciation to all of the nursery stock producers, growers and governmental agencies who contributed and provided information necessary for this report.

Respectfully submitted,

Cato R. Fiksdal
Agricultural Commissioner/
Director of Weights and Measures

This annual publication presents statistical information on acreage, yield and gross value of agricultural products produced in Los Angeles County. This is in accordance with Sections 2279 and 2279 of the California Food and Agricultural Code. The production values in this report represent gross values and do not reflect the cost of production, net income or loss to producers.

Million Dollar Crops

1. Ornamental Trees and Shrubs \$ 131,030,000

2. Bedding Plants 32,465,000

3. Root Vegetables 21,205,000

4. Peaches 13,904,000

5. Dry Onions 13,365,000

6. Indoor Plants, Foliage 5,850,000

7. Alfalfa Hay 5,090,000

8. Strawberries 3,542,000

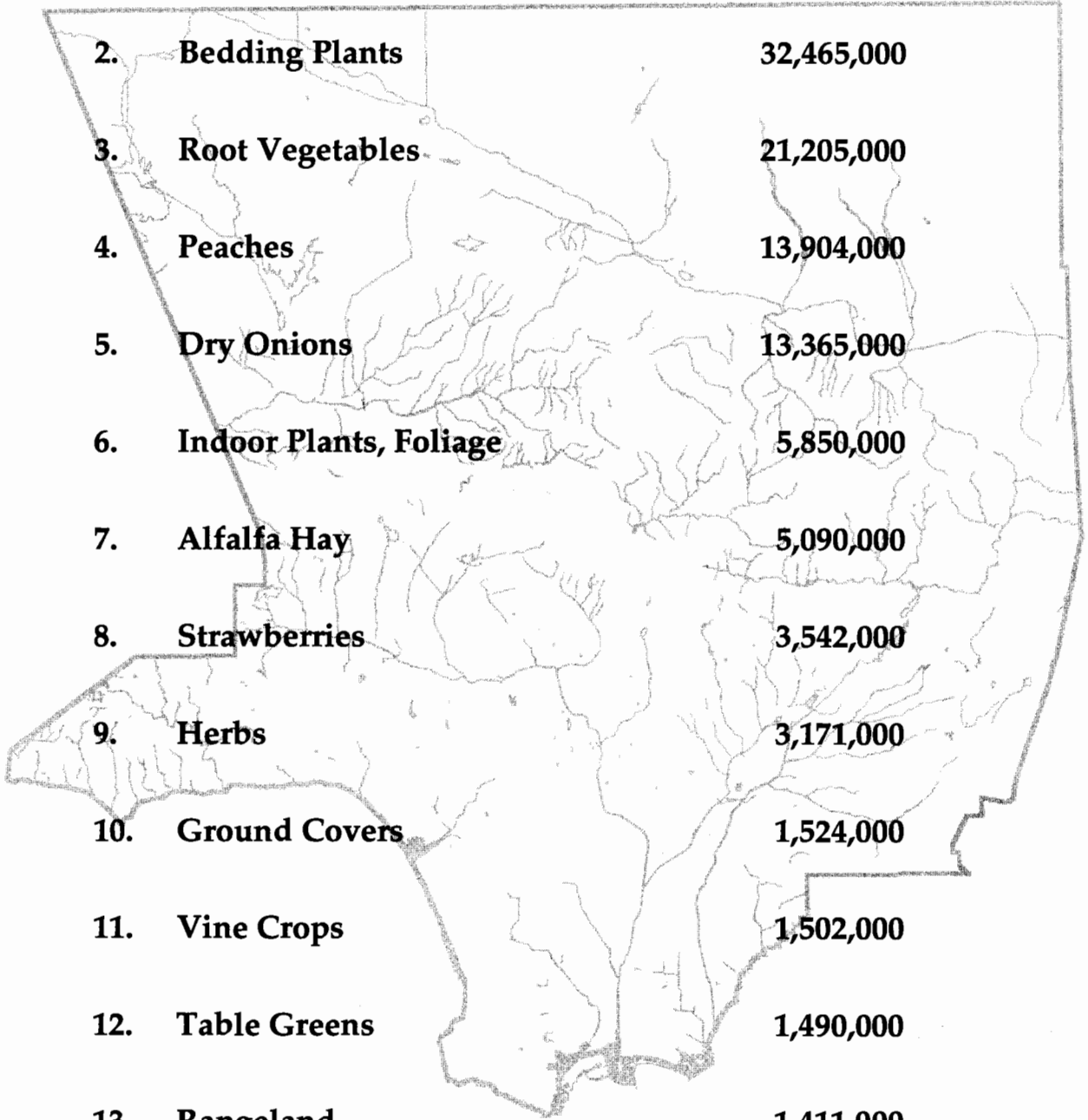
9. Herbs 3,171,000

10. Ground Covers 1,524,000

11. Vine Crops 1,502,000

12. Table Greens 1,490,000

13. Rangeland 1,411,000

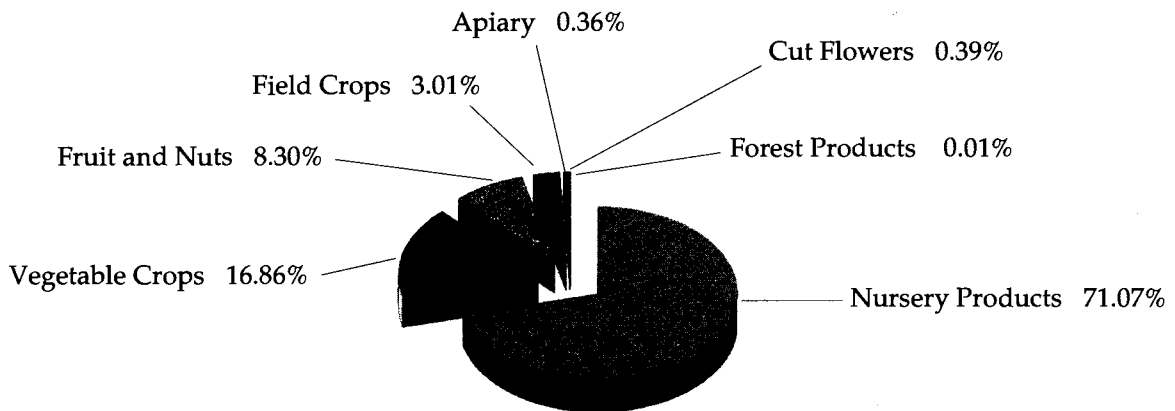


Summary

<u>Commodity</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
Nursery Products	171,220,605	185,592,500	179,804,000
Vegetable Crops	33,414,024	39,458,900	42,662,000
Fruit and Nuts	21,268,400 *	23,513,700	20,999,000
Field Crops	9,494,247	8,890,900	7,632,000
Apiary	1,164,128	1,995,100	912,000
Cut Flowers and Decoratives	1,356,176	1,052,100	986,000
Subtotal	237,917,580 *	260,503,200	252,995,000
Forest Products	39,801	15,100	15,000
Grand Total	\$237,957,381 *	\$260,518,300	\$253,010,000

* Revised

1999 Crop Value Summary



Total Value \$253,010,000

Nursery Products

<u>Item</u>	<u>Year</u>	<u>Green House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total Value</u>
Ornamental Trees and Shrubs	1999	8,189,786	1,516	\$131,030,000
	1998	7,878,826	1,782	\$138,200,800
Bedding Plants	1999	1,247,473	84	\$32,465,000
	1998	1,138,210	92	\$27,281,900
Indoor Plants, Foliage	1999	422,180	.13	\$5,850,000
	1998	322,093	1	\$6,627,100
Indoor Plants, Flowering	1999	130,850	.13	\$892,000
	1998	135,040	5	\$2,161,600
Ground Covers	1999	589,250	22	\$1,524,000
	1998	1,863,980	26	\$1,840,100
Miscellaneous	1999	168,398	431	\$8,043,000
	1998	2,973,037	326	\$9,481,200
Includes vegetable plants, orchids, cacti, and sod.				
TOTAL	1999	10,747,937	2,053	\$179,804,000
	1998	14,311,186	2,232	\$185,592,500



Fruit and Nut Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Production</u>		<u>Unit</u>	<u>Value</u>	
			<u>Per Acre</u>	<u>Total</u>		<u>Per Unit</u>	<u>Total</u>
Peaches	1999	1,000	16	16,000	Ton	\$869	\$13,904,000
	1998	901	15	13,201	Ton	\$1,100	\$14,521,200
Strawberries	1999	124	24	3,020	Ton	\$1,173	\$3,542,000
	1998	129	22	2,789	Ton	\$969	\$2,701,800
Apples	1999	301	3.3	975	Ton	\$862	\$840,000
	1998	75	8	630	Ton	\$1,214	\$765,000
Nectarines	1999	110	5	550	Ton	\$1,091	\$600,000
	1998	110	16	1,800	Ton	\$1,166	\$2,100,000
Grapes	1999	79	6	474	Ton	\$735	\$348,000
	1998	74	7	544	Ton	\$682	\$371,000
Pears, Bartlett	1999	30	9	270	Ton	\$1,200	\$324,000
	1998	40	9	360	Ton	\$1,300	\$468,000
Cherries	1999	150	0.7	105	Ton	\$3,000	\$315,000
	1998	150	1	113	Ton	\$3,500	\$395,500
Avocados	1999	41	1.7	70	Ton	\$2,452	\$172,000
	1998	87	4	341	Ton	\$1,097	\$373,500
Miscellaneous	1999	125	Includes citrus, asian pears, and other fruits				\$954,000
	1998	201	and nuts.				\$1,817,800
TOTAL	1999	1,960					\$20,999,000
	1998	1,768					\$23,513,700

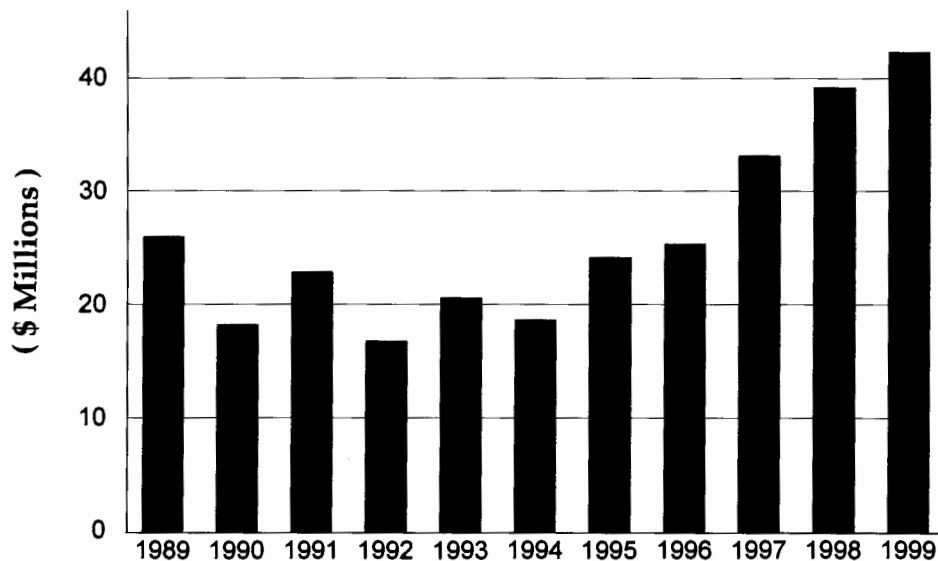


Vegetable Crops

Crop	Year	Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Dry Onions	1999	2,210	30.54	67,500	Ton	\$198	\$13,365,000
	1998	2,425	24.23	58,750	Ton	\$281	\$16,530,000
Root Vegetables	1999	5,508	Includes carrots, potatoes, beets, radishes, and daikon.				\$21,205,000
	1998	5,252					\$15,211,400
Herbs	1999	536	Includes cilantro, parsley, and other herbs.				\$3,171,000
	1998	443					\$3,557,300
Table Greens	1999	207	Includes leaf lettuce, spinach and oriental specialties.				\$1,490,000
	1998	204					\$1,634,900
Vine Crops	1999	286	Includes cucumbers, pumpkins, tomatoes, squash, melons, and green beans.				\$1,502,000
	1998	239					\$1,078,500
Miscellaneous	1999	343	Includes sweet corns, leeks, green onions, bell peppers, and others.				\$1,929,000
	1998	259					\$1,446,800
TOTAL	1999	9,090					\$42,662,000
	1998	8,822					\$39,458,900



Vegetable Crop Values 1989 - 1999



Field Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Per Acre</u>	<u>Production</u>		<u>Value</u>	
				<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Alfalfa Hay	1999	6,056	8	48,476	Ton	\$105	\$5,090,000
	1998	5,270	8	41,849	Ton	\$139	\$5,824,400
Grain Hay	1999	1,800	3.8	6,700	Ton	\$117	\$784,000
	1998	2,717	4	9,813	Ton	\$106	\$1,035,400
Rangeland	1999	200,335					\$1,411,000
	1998	250,180					\$1,756,300
Miscellaneous	1999	1,060 *	* Acreage excluding stubble				** \$347,000
	1998	1,210 *	** Value includes oat hay, Sudan hay, irrigated pasture and grazing privileges on stubble.				** \$274,800
TOTAL	1999	8,916 ***	*** Excluding rangeland and stubble.				\$7,632,000
	1998	9,197 ***					\$8,890,900

Apiary Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Value</u>	
					<u>Per Unit</u>	<u>Total</u>
Honey	1999	1,575,900	Lb.	\$.56		\$883,000
	1998	3,036,000		\$.65		\$1,973,400
Beeswax	1999	9,758	Lb.	\$2.65		\$26,000
	1998	9,100		\$2		\$19,400
Pollination	1999	102	Hive	\$25		\$3,000
	1998	87		\$27		\$2,300
Total	1999					\$912,000
	1998					\$1,995,100



Cut Flowers and Decoratives

<u>Item</u>	<u>Year</u>	<u>Green House</u> <u>Sq. Ft.</u>	<u>Field</u> <u>Acres</u>	<u>Quantity</u>		<u>Value</u>	
				<u>Sold</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Christmas Trees	1999		67	9,155	Tree	\$31	\$284,000
	1998		86	11,711	Tree	\$30	\$354,000
Pompom	1999	100,000		70,500	Bunch	\$2	\$141,000
	1998	100,000		70,468	Bunch	\$2	\$139,700
Miscellaneous	1999	117,608	68				\$561,000
	1998	117,613	67				\$558,400
<p><i>Includes lilacs, mums, yarrow, gypsophila, carnation, delphinium, freesia, and other cut flowers.</i></p>							
TOTAL	1999	217,608	135				\$986,000
	1998	217,613	153				\$1,052,100



Forest Products

<u>Item</u>	<u>Year</u>	<u>Value</u>
*Firewood	1999	\$15,000

* Figures obtained from State Board of Equalization, Timber Tax System.

Sustainable Agriculture Reporting



ORGANIC FARMING STATISTICS

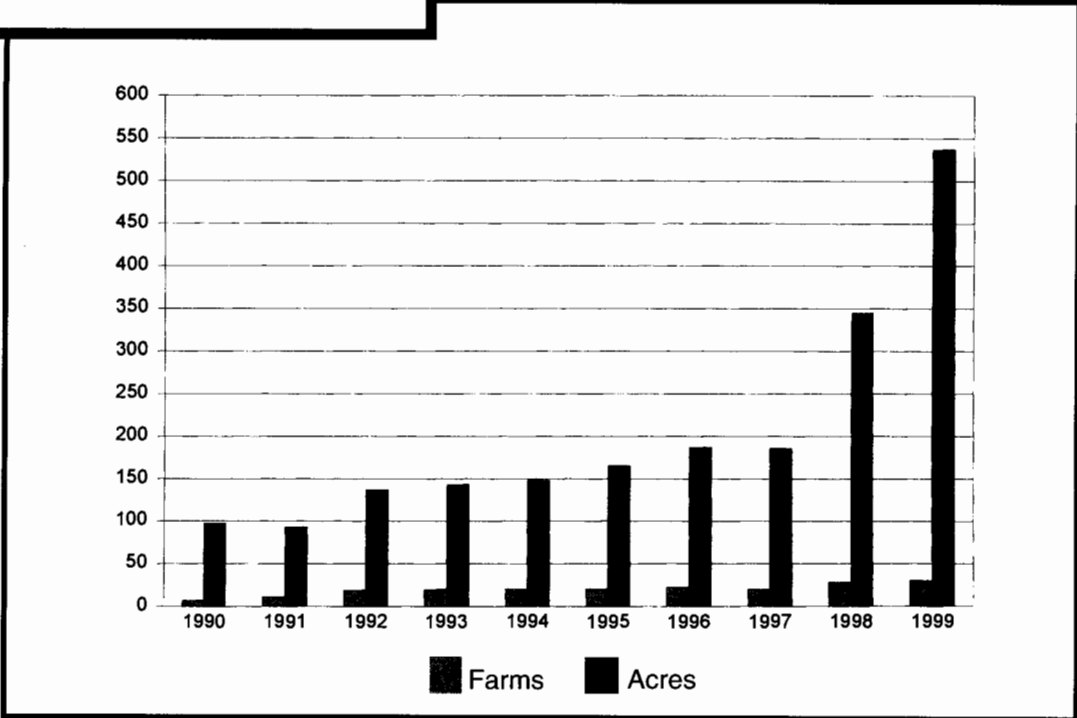


<u>Crop</u>	<u>Estimated Acres</u>	
	<u>1999</u>	<u>1998</u>
Apples	24	23
Avocados	35	40
Carrots	300	-
Cherries	20	19
Citrus	20	20
Grapes	50	25
Herbs (including sprouts)	10	11
Nectarines	4	4
Peaches	10	10
Asian Pears	5	5
Pears	2	2
Pistachios	10	40
Safflower	-	100
Misc. Trees	17	17
Vegetables (including Oriental & lettuce)	30	29
Total	537	345



	<u>Farms</u>	<u>Acres</u>
1999	30	537
1998	28	345

Organic Farming 1989 - 1999



Pest Detection Activities

<u>Pest</u>	<u>Number of Traps</u>		<u>Specimens Trapped</u>
	<u>Pest Detection</u>	<u>Pest Eradication</u>	
Mediterranean Fruit Fly	5,008	100	2
Melon Fly	5,015	3,628	4
Oriental Fruit Fly	5,015	225	18
Mexican Fruit Fly	4,985	400	1
Gypsy Moth	3,703	200	2
Japanese Beetle	3,040	400	3
Khapra Beetle	310	0	0
European Pine Shoot Moth	13	0	0
European Corn Borer	12	0	0
<i>Bactrocera scutellata</i>	5,015	485	1
<i>Bactrocera correcta</i>	5,015	100	2
TOTAL	37,131	5,538	33

Pest Eradication Activities

<u>Pest</u>	<u>Method</u>	<u>Scope of Program</u>
Mediterranean Fruit Fly	Increased sterile Medfly release for two single Medfly finds in 1999	2,250,000 steriles released in nine square miles over two weeks
Oriental Fruit Fly	Male annihilation treatments	3 treatment areas
Melon Fly	One eradication area for two flies Ground based Malathion foliar treatments Eradication traps Quarantine	299 properties treated 3,628 properties treated 75 square miles
Red Imported Fire Ant	Bait treatment	163 properties
Alligatorweed	Gross area inspected Hand removal and herbicide treatment (Net Area)	5,798 acres .02 acre
Halogeton	Mechanical control and chemical treatment	Two plants discovered and were removed by hand

Biological Control Activities

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Programs</u>
Mediterranean Fruit Fly	Sterile releases	15,922,638,000 sterile Medflies released

Pest Exclusion Activities

<u>Pest Exclusion Violations Issued</u>	<u>Number of Violations Issued</u>
Infested/Presumed Infested	330
Failure to Hold	274
Markings	236
Citrus Pests	117
Caribbean Fruit Fly	101
Plum Curculio and Blueberry Maggot	47
Burrowing and Reniform Nematodes	29
Red Imported Fire Ant	20
Japanese Beetles	19
Ozonium Root Rot	18
Cherry Fruit Fly	14
Walnut and Pecan Pests	11
Federal Foreign Quarantines	10
Mexican Fruit Fly	10
European Corn Borer	7
Colorado Potato Beetle	4
No Limited Permit	3
Oak Wilt	3
Golden Nematode	3
Cereal Leaf Beetle	2
Cotton Pests	2
Oriental Fruit Fly	2
Gypsy Moth	2
European Pine Shoot Moth	1
Lethal Yellowing	1
Nut Tree Pests	1
Federal Quarantine 13	1
Hydrilla	1
Insects Without Permit	1
Cornstalk & Sugarcane Borer	1
Total	<u>1,271</u>

Pest Exclusion Activities

<u>Pest Intercepted</u> Common Name/ <i>Genus species</i>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> Pest Interceptions
Africanized honey bee <i>Apis mellifera scutellata</i>	Residential Sites	Det, Pub	38
Ant <i>Myrmelachista</i> sp.	Trailer	Quar	1
Ant <i>Anoplolepis longipes</i>	Cut flowers, Ginger, Citrus (lime), Not given	Quar	4
Ant <i>Hypoponera gleadowi</i>	Tree	Pub	1
Ant <i>Cardiocondyla</i> sp.	Coconut	Quar	1
Aphid <i>Aphis</i> sp.	Bird of Paradise	Nurs	1
Aphid <i>Greenidea formosana</i>	<i>Cycas revoluta</i>	Nurs	1
Aquatic snail <i>Goniobasis</i> sp.	Watercress	Quar	1
Armored scale <i>Clavaspis</i> sp.	Plumeria, Plumeria sticks	Nurs	2
Arrowhead scale <i>Unaspis yannonensis</i>	Citrus peel (dry)	Det	1
Big headed ant <i>Pheidole megacephala</i>	Cut tropical flowers, <i>Ficus benjamina</i>	Quar	31
Black headed ant <i>Tapinoma melanocephalum</i>	Palm seedlings	Quar	1
Black thread scale <i>Ischnaspis longirostris</i>	<i>Cycas revoluta</i>	Quar	1
Boxwood scale <i>Pinnaspis buxi</i>	<i>Dracaena</i> sp., Ti leaves	Quar	3

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Burrowing bug <i>Rhytidoptorus identatus</i>	Palm	Quar	1
Chaff scale <i>Parlatoria pergandii</i>	Citrus, Citrus (orange)	Det, Quar	2
Chinese rose beetle <i>Adoretus sinicus</i>	Cut flowers	Quar	1
Citrus snow scale <i>Unaspis citri</i>	Citrus (orange)	Quar	1
Citrus mealybug <i>Planococcus citri</i>	Citrus (lime)	Det	1
Coconut scale <i>Aspidiotus destructor</i>	<i>Cycas revoluta</i> , Palm frond	Quar	2
Coffee bean weevil <i>Araecerus fasciculatus</i>	Citrus, Malanga	Det, Quar	2
Coffee twig borer <i>Xylandrus compactus</i>	Cut flowers	Quar	1
Corn earworm <i>Helicoverpa</i> sp.	Carrot wood, Unknown	Quar	
Crickets (larvae)	Cut flowers, <i>Dracaena warnecki</i>	Quar	1
Croton scale <i>Lepidosaphes tokionis</i>	<i>Codiaeum variegatum</i>	Quar	1
Croton whitefly <i>Orchamoplatus mammaeferus</i>	Mixed wreath	Quar	1
Cuban snail <i>Zachrysia provisoria</i>	Tropical foliage plants	Quar	15
Cuban snail (eggs) <i>Zachrysia provisoria</i>	<i>Ficus benjamina</i>	Quar	156

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Cutworm	Nappa cabbage	Quar	1
European corn borer <i>Ostrinia nubilalis</i>	Corn	Quar	1
Fire ant <i>Solenopsis</i> sp.	Ming tree	Quar	2
Florida red scale <i>Ceroplastes floridensis</i>	<i>Ficus benjamina</i>	Quar	1
Frog hopper (larvae) <i>Fulgoroidea</i>	Cut flowers, Taro leaves, Bitter leaves	Quar	18
Fruit fly <i>Bactrocera scutellata</i>	Avocado	Det	1
Fruit fly (larva) <i>Anastrepha</i> sp.	Citrus (grapefruit)	Quar	1
Gall wasp <i>Epichrysocharus</i> n. sp.	<i>Eucalyptus citriodora</i>	Nurs, Pub, Det	13
Giant silkworm moth	Moss	Quar	1
Green garden looper <i>Chrysodeixis eriosoma</i>	Cut flowers, Ti	Quar	2
Green shield scale <i>Pulvinaria psidii</i>	Brazilian pepper, <i>Ficus nitida</i> , <i>Gardenia</i> , Ginger, Mango, Marchamia	Nurs, Quar	12
Guava fruit fly <i>Bactrocera correcta</i>	Peach, Persimmon	Det	2
Gypsy moth <i>Lymantria dispar</i>	Fir, Magnolia, Ornamental tree	Det	3
Hawaiian flower thrips <i>Thrips hawaiiensis</i>	Lei	Quar	1

Pest Exclusion Activities

<u>Pest Intercepted</u> Common Name/ <i>Genus species</i>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> Pest Interceptions
Insect Egg Mass	<i>Dracaena</i> , Ti	Quar	2
Japanese beetle <i>Popillia japonica</i>	Rose	Det	1
Katydid (nymph)	Bitter leaves	Quar	1
Leafhopper	Lalot	Quar	13
Leafhopper	Tea leaves	Quar	13
Leafhopper <i>Gyponana germani</i>	Herbs	Quar	1
Leafhopper (larva)	<i>Phoenix roebelenii</i> , Ti	Quar	2
Leafhopper (eggs)	Ti	Quar	1
Lesser snow scale <i>Pinnaspis strachani</i>	Tropical foliage plants	Quar, Nurs	21
Little fire ant <i>Wasmannia auropunctata</i>	Carrot wood	Quar	1
Long horned beetle <i>Sybra alternans</i>	Herbs	Quar	1
Lycopodium mealybug <i>Pseudococcus lycopodii</i>	Lycopodium	Quar	2
Magnolia white scale <i>Pseudaulacaspis cockerelli</i>	Bird of Paradise, Palms, Cut flowers, Foliage, Green mango, <i>Heliconia</i> , Mango, <i>Michelia alba</i>	Quar, Nurs	52
Mealybug (larva)	Hibiscus	Quar	
Mealybug <i>Pseudococcus</i> sp.	Cut flowers, <i>Phoenix roebelenii</i>	Nurs, Quar	3

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/ Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Mealybug <i>Nipaecoccus</i> sp.	Palm frond, Queen palm, <i>Syagrus</i>	Nurs	3
Medfly <i>Ceratitis capitata</i>	Loquat, Peach	Det	2
Melon fruit fly <i>Bactrocera cucurbitae</i>	Citrus (lemon), Citrus (orange), Loquat, Persimmon	Det	4
Mexican leafroller <i>Amorbia emigratella</i>	Orchids	Quar	1
Mexican fruit fly <i>Anastrepha ludens</i>	Citrus (orange), Citrus (lime)	Det	7
Mining scale <i>Howardia biclavis</i>	<i>Ficus benjamina</i> , Plumeria	Quar	9
Moth (larva)	Mango fruit	Quar	1
Moth	Cut flowers	Quar	1
Noctuid moth <i>Simplicia caeneusalis</i>	Cut flowers	Quar	1
Noctuid moth <i>Spodoptera</i> sp.	Nappa cabbage	Quar	1
Olive fruit fly <i>Bactrocera oleae</i>	Avocado, Olive , Loquat, Citrus (grapefruit, lemon, orange, tangerine)	Det	222
Oriental scale <i>Aonidiella orientalis</i>	Tamarindo (green)	Quar	1
Oriental fruit fly <i>Bactrocera dorsalis</i> complex	Apple, Apricot, Peach, Avocado, Plum, Citrus, (grapefruit, lemon, orange), Loquat, Ornamental tree, Olive	Det	14

Pest Exclusion Activities

<u>Pest Intercepted</u> Common Name/ <i>Genus species</i>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> Pest Interceptions
Pea leaf miner <i>Liriomyza huidobrensis</i>	Sugar snap peas	Quar	1
Plant hopper	Orchids, Ti	Quar	13
Planthopper (nymphs)	Betel leaves	Quar	1
Pyriform scale <i>Protospulvinaria pyriformis</i>	Cypress, <i>Gardenia</i> , <i>Fatsia japonica</i> , Ivy, Guava, <i>Laurus nobilis</i> , Rubber tree	Nurs, Pub, Det	9
Red banded leafroller <i>Argyrotaenia velutinana</i>	Cut flowers	Quar	1
Red Imported Fire Ant <i>Solenopsis wagneri</i>	Residential sites, Parks, Commercials, Schools, Golf Courses, Nurseries	Det, Pub	181
Red wax scale <i>Ceroplastes rubens</i>	Lei, Mixed wreath	Quar	2
Redgum lerp psyllid <i>Glycaspis brimblecombei</i>	<i>Eucalyptus camaldulensis</i>	Pub, Quar, Nurs	18
Sansevieria scale <i>Parlatoria proteus</i>	Palm frond	Quar	1
Scale <i>Coccoidea</i> sp.	<i>Cycas revoluta</i>	Quar	2
Scale <i>Morganella longispina</i>	Citrus (grapefruit)	Quar	1
Seed bug	Palm	Quar	1
Slender soft scale <i>Coccus acutissimus</i>	Cut flowers, Longan, <i>Litchi chinensis</i> , Lychee plants	Quar, Nurs	6

Pest Exclusion Activities

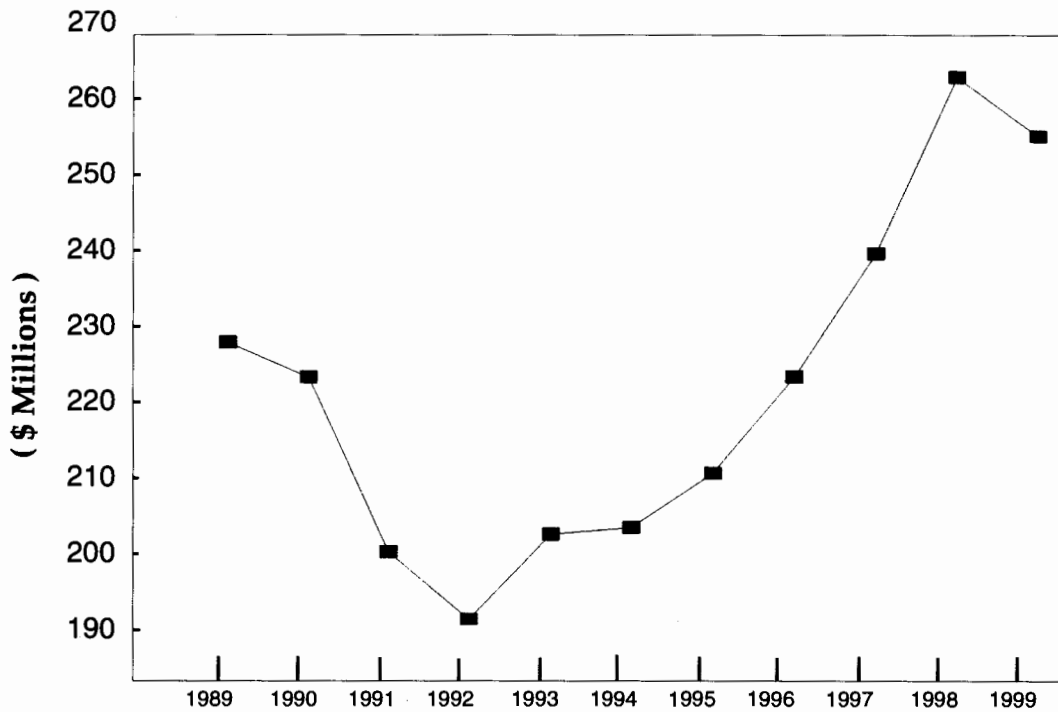
<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Slug <i>Philomycus</i> sp.	<i>Dracaena</i>	Quar	2
Slug <i>Veronicella</i> sp.	Basil, Taro, <i>Dracaena</i> , Poke leaves, Palms	Quar	23
Slug	Poke leaves, Taro stalk	Quar	3
Slug <i>Pallifera</i> sp.	<i>Dracaena</i>	Quar	1
Slug <i>Meghimatium</i> sp.	<i>Dracaena</i>	Quar	1
Snail <i>Bradybaena similaris</i>	Orange blossom, Palms, Tropical foliage plants, Yucca	Quar	44
Soil mealybug <i>Rhizoecus americanus</i>	Palms	Quar	9
Southern green stink bug <i>Nezara viridula</i>	Herbs	Quar	1
Spiraling whitefly (egg tracks) <i>Aleurodicus dispersus</i>	Cut flowers	Quar	28
Spiraling whitefly <i>Aleurodicus dispersus</i>	Betel leaves, Croton, Ti, Cut flowers, Taro, Palms, <i>Dracaena, Bucida buceras</i>	Quar	28
Squash borer <i>Diaphania</i> sp.	Fuzzy squash	Quar	13
Thrips <i>Thrips</i> (prob <i>florum</i>)	Leis, Orchid	Quar	1
Torpedo bug egg mass <i>Siphanta acuta</i>	Betel leaves, Herbs, Cut flowers, Ti	Quar	18

Pest Exclusion Activities

<u>Pest Intercepted</u> <i>Common Name/Genus species</i>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Torpedo bug <i>Siphanta acuta</i>	Bitter leaves, Herbs, <i>Cycas revoluta</i> , Cut flowers	Quar, Nurs	18
Tropical palm scale <i>Hemiberlesia palmae</i>	Bromeliad	Quar	2
Two spotted leafhopper <i>Sophonia rufofascia</i>	Brazilian pepper, Ti, Bird of Paradise, Palm, <i>Cupaneopsis</i> , Cut flowers, <i>Fatsia japonica</i> , Jasmine, Loquat, Mango	Nurs, Quar	20
Wax scale (larva) <i>Ceroplastes sp.</i>	Ti	Quar	1
Weevil <i>Oxydema longulum</i>	Cut flowers	Quar	1
Weevil	Seed	Quar	1
White footed ant <i>Technomyrmex albipes</i>	Bitter leaves, Poky leaves, Cut flowers, Fishtail palm, Ginger, Heliconia, Ti, Tomato, Tropical foliage	Quar	35
Woolly whitefly <i>Aleurothrixus floccosus</i>	Citrus (grapefruit, lime, lemon), Guava	Det, Nurs	4
Total			1,203

* Source: Det: Detection Nurs: Nursery Pub: Public Quar: Quarantine

Total Crop Values 1990 - 1999



Ten Year Crop Values

Year	Year
1990 \$222,032,400	1995 \$209,850,749
1991 \$199,818,000	1996 \$222,238,449
1992 \$191,198,100	1997 \$237,957,381
1993 \$202,080,698	1998 \$260,518,300
1994 \$202,949,559	1999 \$253,010,000

** Excluding livestock, poultry, and poultry products.*

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