California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

Los Angeles County

2005-2009

Los Angeles County

Agricultural Crop and Livestock Report

~2005~

Kurt E. Floren

Welcome to Our New Department Head

As January 2005 introduced a new year for the multitude of activities and services provided by the Department of Agricultural Commissioner/Weights and Measures, it also saw the appointment of a new Department Head following the retirement of Cato Fiksdal in mid-2004. On January 18, 2005, Kurt E. Floren was appointed as Agricultural Commissioner/ Director of Weights and Measures for the County of Los Angeles.

This was a homecoming for Mr. Floren, as he began his Los Angeles County career in 1981 as a trapper in the Exotic Fruit Fly Detection Program during one of the major Mediterranean Fruit Fly battles and soon became what was then known as a General Detection Trapper, working for the California Department of Food and Agriculture and the United States Department of Agriculture in the detection of other pests of major concern such as Oriental Fruit Fly, Mexican Fruit Fly, Gypsy Moth, and Japanese Beetle. After the 1984 merging of the former Department of Agricultural Commissioner and the Department of Weights and Measures, Kurt joined the Weights and Measures program as a regulatory inspector, rising to the rank of Supervisor, Weights and Measures Inspection, in which he directed the activities of the Business Practices/Investigation Division for nine years. There, he oversaw departmental programs such as weighmaster enforcement, packaged commodity inspection, scanner price verification, undercover test purchases, and investigations into fraud and negligence in the marketplace, ensuring that consumers and competing businesses were protected from unfair practices.

In 1999, Kurt was recruited by the County of San Diego Department of Agriculture,Weights and Measures as a Deputy Agricultural Commissioner/Sealer of Weights and Measures to oversee that department's Weights and Measures, Direct Marketing (Certified Farmers' Market), Egg Quality Inspection, Organic Production, and Fruit/Nut/Vegetable Standardization programs. He was subsequently promoted to Deputy Director, adding to his responsibilities managerial oversight of the Plant Pathology and Entomology Laboratories as well as the Pest Exclusion/Plant Quarantine, Pest Detection, and Pesticide Regulatory programs. He ultimately became Assistant Director of the County of San Diego department before being selected by the Los Angeles County Board of Supervisors for his current appointment.

Mr. Floren brings a wide diversity of experience in assuming the position of Agricultural Commissioner/Director of Weights and Measures. Since returning to the County of Los Angeles, he has been appointed by the California Secretary of Food and Agriculture to the Certified Farmers' Market Advisory Committee as well as receiving appointments as Chairman of the Laws and Regulations Committee of the Western Weights and Measures Association, Chairman of the Standardization and Statistics Committee of the California Agricultural Commissioners and Sealers Association (CACASA), Agricultural Commissioner Liaison to the California Structural Pest Control Board and, most recently, as a member of the CACASA Board of Directors. Mr. Floren looks forward to the challenges and promises of sustained agricultural production in Los Angeles County as well as ensuring the safe application of pesticides, protection of safe drinking water and our environment through the work of our Environmental Toxicology Laboratory, the prevention of wildfires through weed hazard abatement, the exclusion of plant pests and pathogens that can threaten statewide agriculture, and the array of other programs conducted by the department.

For a copy of this crop report, visit our website at:
http//acwm.co.la.ca.us

Kurt E. Floren
Agricultural Commissioner/
Director of Weights and Measures

COUNTY OF LOS ANGELES

Department of
Agricultural Commissioner/
Weights and Measures

12300 Lower Azusa Road
Arcadia, California 91006-5872
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Robert G. Atkins
Chief Deputy

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

and

the Honorable Board of Supervisors
County of Los Angeles

Mayor Michael D. Antonovich - First District
Gloria Molina - Second District
Yvonne Brathwaite Burke - Third District
Zev Yaroslavsky - Fourth District
Don Knabe - Fifth District

2005 CROP AND LIVESTOCK REPORT

In 2005, a total gross value of **$277,844,000** in agricultural crops and commodities was produced in Los Angeles County, a slight decrease of 1.4% from last year's revised total of $281,917,000. Offsetting production losses created by a 6.4% reduction in nursery production values were significant gains of 22% in fruit and nut crops, 37% in field crops, and 297% in apiary products, driven in some instances by stronger market values and, elsewhere, by a combination of value increases and growth in harvested acreage.

Nursery products remain the number one crop produced in Los Angeles County, constituting 64.9% of the total overall production value this year. Increasing land values, escalating production costs, and shipping restrictions due to quarantines addressing Sudden Oak Death and Glassy-Winged Sharpshooter present continuing challenges to future ornamental nursery product production, but the industry remains strong and resilient.

I wish to express my sincere appreciation to each of the producers and individuals who provided information for this report. My thanks are extended to the skilled and dedicated staff of this department who continue to do an excellent job in compiling these important statistics.

Respectfully submitted,

Kurt E. Floren
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 published in accordance with Sections 2272 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.

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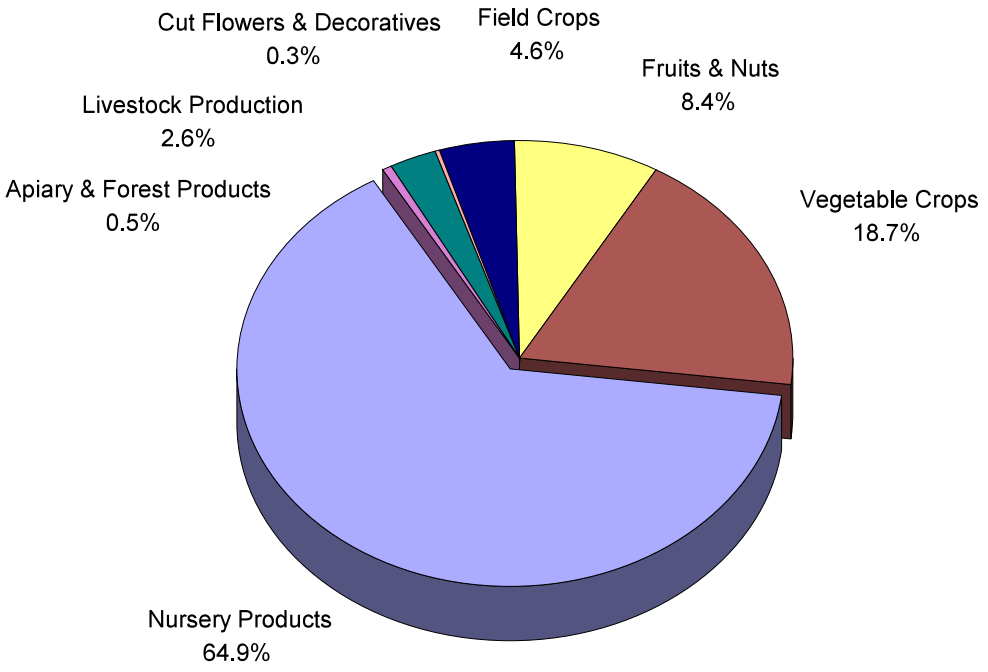
4.	**Root Vegetables**	**18,000,000**
5.	**Orchard Fruit**	**17,455,000**
6.	**Alfalfa Hay**	**8,858,000**
7.	**Dairy & Livestock**	**7,319,000**
8.	**Ground Covers**	**6,731,000**
9.	**Indoor Plants, Flowering**	**5,283,000**
10.	**Indoor Plants, Foliage**	**4,331,000**
11.	**Strawberries**	**3,303,000**
12.	**Herbs**	**2,432,000**
13.	**Rangeland**	**2,400,000**
14.	**Vine Crops**	**1,504,000**
15.	**Grain Hay**	**1,243,000**
16.	**Apiary**	**1,223,000**

SUMMARY

Commodity	2003	2004	2005
Nursery Products	*179,289,000	$192,600,000	$180,325,000
Cut Flowers and Decoratives	667,000	1,091,000	820,000
Fruits and Nuts	18,637,000	19,080,000	23,274,000
Vegetable Crops	*59,245,000	*51,858,000	51,980,000
Field Crops	8,535,000	9,327,000	12,860,000
Livestock Production	8,249,000	7,651,000	7,319,000
Apiary	767,000	303,000	1,223,000
Forest Products	8,000	7,000	43,000
TOTAL	***$275,397,000**	***$281,917,000**	**$277,844,000**

* Revised

Year 2005 Crop Value Summary
Total Value: $277,844,000



NURSERY PRODUCTS

Item	Year	Green House Square Feet	Field Acres	Total Value	
Ornamental Trees	**2005**	**3,039,000**	**1,583**	**$107,866,000**	▼
	2004	7,747,000	1,713	119,666,000	
Bedding Plants	**2005**	**1,862,000**	**140**	**$30,631,000**	▼
	2004	1,794,000	177	38,586,000	
Indoor Plants, Flowering	**2005**	**719,000**	**6**	**$5,283,000**	▼
	2004	821,000	6	5,392,000	
Indoor Plants, Foliage	**2005**	**470,000**	**6**	**$4,331,000**	▲
	2004	561,000	1	3,332,000	
Ground Covers	**2005**	**980,000**	**34**	**$6,731,000**	▲
	2004	391,000	28	4,080,000	
Miscellaneous *	**2005**	**151,000**	**1,401**	**$25,483,000**	▲
	2004	505,000	1,149	21,544,000	
TOTAL	**2005**	**7,221,000**	**3,170**	**$180,325,000**	▼
	2004	11,819,000	3,074	192,600,000	

* Includes perennials, vegetable plants, bonsai plants, orchids, sod, palm trees, and cacti.

CUT FLOWERS & DECORATIVES

Item	Year	Green House Square Feet	Field Acres	Total Value	
Miscellaneous *	**2005**	**67,000**	**86**	**$820,000**	▼
	2004	137,000	104	1,091,000	

* Includes lilacs, pompoms, freesias, fruit blossoms, mums, snapdragons, yarrow, delphiniums, Christmas trees, and other miscellaneous.

FRUIT & NUT CROPS

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Strawberries	**2005**	**121**	**11.6**	**1,407**	**Ton**	**$2,348**	**$3,303,000**	▲
	2004	101	17.9	1,808		1,276	2,307,000	
Avocados	**2005**	**101**	**1.0**	**101**	**Ton**	**$1,204**	**$122,000**	▲
	2004	59	1.2	71		1,454	103,000	
Cherries	**2005**	**150**	**0.7**	**105**	**Ton**	**$3,800**	**$399,000**	▼
	2004	140	0.8	112		3,800	426,000	
Apples	**2005**	**150**	**5.3**	**795**	**Ton**	**$1,200**	**$954,000**	▲
	2004	150	5.0	750		900	675,000	
Grapes	**2005**	**325**	**3.6**	**1,186**	**Ton**	**$811**	**$962,000**	▲
	2004	225	2.7	608		1,450	882,000	
Orchard Fruit	**2005**	**1,073**	Include nectarines, peaches, pears, plums, oranges, tangerines, apricots, lemons, and grapefruits.				**$17,455,000**	▲
	2004	1,072					14,645,000	
Miscellaneous	**2005**	**30**	Includes figs, pistachios, raspberries, other miscellaneous fruit, and nut crops.				**$79,000**	▲
	2004	27					42,000	
TOTAL	**2005**	**1,950**					**$23,274,000**	▲
	2004	1,774					19,080,000	

VEGETABLE CROPS

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Dry Onions	**2005**	**2,677**	**29.0**	**77,614**	**Ton**	**$372**	**$28,866,000**	▲
	2004	2,891	27.5	79,502		286	22,738,000	
Root Vegetables	**2005**	**5,361**	Includes carrots, potatoes, radishes, beets, turnips, and other root vegetables.				**$18,000,000**	▼
	2004	7,403					*24,865,000	
Herbs	**2005**	**167**	Includes cilantro, parsley, chives, mint, thyme, and other herb vegetables.				**$2,432,000**	▲
	2004	80					1,739,000	
Table Greens	**2005**	**50**	Includes spinach, kale, oriental specialities, and lettuce.				**$398,000**	▼
	2004	85					610,000	
Vine Crops	**2005**	**134**	Includes cucumbers, green beans, melons, pumpkins, squash, tomatoes, watermelons, and zucchini.				**$1,504,000**	▲
	2004	175					1,382,000	
Miscellaneous	**2005**	**384**	Includes bell peppers, cacti, celery, chard, sweet corn, green onions, Mexican onions, and other miscellaneous.				**$780,000**	▲
	2004	150					524,000	
TOTAL	**2005**	**8,773**					**$51,980,000**	▲
	2004	10,784					*51,858,000	

* Revised

FIELD CROPS

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Alfalfa Hay	**2005**	**5,521**	**8.7**	**47,874**	**Ton**	**$185**	**$8,858,000**	▲
	2004	5,746	8.2	47,117		135	6,361,000	
Grain Hay	**2005**	**2,694**	**3.4**	**9,073**	**Ton**	**$137**	**$1,243,000**	▲
	2004	2,370	3.2	7,584		88	667,000	
Rangeland	**2005**	**200,000**					**$2,400,000**	▲
	2004	200,000					2,000,000	
Miscellaneous	**2005**	**1,381**	*				** **$359,000**	▲
	2004	774	*				** 299,000	
TOTAL	**2005**	**9,596**	***				**$12,860,000**	▲
	2004	8,890	***				9,327,000	

* Acreage excludes stubble.
** Value includes irrigated pasture, sudan hay, oat hay, and grazing privileges on stubble.
*** Excluding rangeland and stubble.

DAIRY & LIVESTOCK

Item	Year		Total Value	
	2005	Includes dairy cattle, beef cattle, hogs, goats, chickens, milk, goat milk, eggs, etc.	**$7,319,000**	▼
	2004		7,651,000	

APIARY

Item	Year	Production	Unit	Value Per Unit	Total Value	
Honey	**2005**	**1,349,760**	**Lb.**	**$0.82**	**$1,106,000**	▲
	2004	160,627		1.73	278,000	
Beeswax	**2005**	**14,141**	**Lb.**	**$1.56**	**$22,000**	
	2004	11,000		2.00	22,000	
Miscellaneous	**2005**				**$95,000**	▲
	2004				3,000	
TOTAL	**2005**				**$1,223,000**	▲
	2004				303,000	

FOREST PRODUCTS

Item	Year	Total Value	
Firewood *	**2005**	**$43,000**	▲
	2004	7,000	

* Figures obtained from USDA Forest Services, Angeles National Forest.

SUSTAINABLE AGRICULTURE REPORTING

Organic Farming Statistics

Crops	Estimated Acres 2005	2004
Apples	1	1
Apricots	6	7
Avocados	8	2
Cantaloupes	1	0
Cherries	1	3
Citrus	5	23
Grapes	27	28
Herbs (including sprouts)	23	5
Peaches	10	14
Pears	3	0
Persimmons	2	0
Pomegranates	2	0
Miscellaneous	0	5
Vegetables	19	29
TOTAL	**108**	**117**

Year	Farms	Acres
2005	**15**	**108**
2004	14	117

PEST DETECTION ACTIVITIES

Pest	Number of Traps Pest Detection	Specimens Trapped
Mediterranean Fruit Fly	5,010	3
Melon Fly	4,994	0
Oriental Fruit Fly	4,994	6
Mexican Fruit Fly	4,973	2
Guava Fruit Fly	4,994	9
Gypsy Moth	3,700	2
Japanese Beetle	3,080	6
Khapra Beetle	297	0
European Pine Shoot Moth	13	0
European Corn Borer	12	0
TOTAL	**32,067**	**28**

PEST ERADICATION ACTIVITIES

Pest	Method	Scope of Program
Guava Fruit Fly	Male annihilation	2 treatment areas
Mediterranean Fruit Fly	Continued preventative program: sterile Medfly release countywide	Approximately 12.2 billion steriles released
Red Imported Fire Ant	Bait treatments	116 properties

BIOLOGICAL CONTROL ACTIVITIES

Pest	Agent/Mechanism	Scope of Program
Mediterranean Fruit Fly	Sterile Release	12,208,458,960 sterile Medflies released

PEST EXCLUSION ACTIVITIES

Pest Exclusion Violations	Number of Violations Issued
Infested/Presumed Infested	482
Markings	43
Failure to Hold	24
Burrowing and Reniform Nematodes	6
Caribbean Fruit Fly	14
Citrus Pests	12
Commercially Unclean	1
European Corn Borer	1
European Pine Shoot Moth	1
Federal Foreign Quarantines	3
Federal (Hawaiian) Quarantine	1
Federal (Puerto Rico) Quarantine	1
Imported Fire Ant	6
Mishandling	1
Misuse/Nursery Stock Certificate	1
Reasonable Cause to Presume Infested	4
Sudden Oak Death	3
Unauthorized Movement	1
Walnut and Pecan Pests	1
Weed Pests	4
West Indian Sugarcane Root Borer	5
TOTAL	**615**

PEST EXCLUSION ACTIVITIES

Pest Intercepted **Common Name/*Genus species***	**Material**	**Source***	**Scope of Program** **Pest Interceptions**
Albopicta scale *Acutaspis albopicta*	Cut foliage	Quar	2
Apple snail *Pomacea sp.*	Cut foliage	Quar	2
Armored scale *Pseudischnaspis bowreyi*	Cut foliage	Quar	1
Bark beetle *Xyloborus sp.*	Orchid	Quar	1
Big headed ant *Pheidole megacephala*	Cut foliage	Quar	21
Boxwood scale *Pinnaspis buxi*	Cut foliage	Quar	30
California red scale *Aonidiella auranti*	Cycad	Nurs	1
Chaff scale *Parlatoria pergandii*	Citrus	Nurs	2
Chinese rose beetle Adoretus sinicus	Cut foliage	Quar	8
Citrus leafminer *Phyllocnistis citrella*	Citrus	Nurs/Pub	3
Coconut mealybug *Nipaecoccus sp.*	Palm	Nurs	7
Coconut scale *Aspidiotus destructor*	Cut foliage	Quar	15
Cricket *Trigonidomorpha sjostedti*	Dracaena	Quar	2
Croton whitefly *Orchamoplatus mammaeferus*	Cut foliage	Quar	2
Cycad aulacaspis scale *Aulacaspis yasumatsui*	Cycad	Quar	17
Diaprepes root weevil *Diaprepes abbreviatus*	Coral tree	Pub	2
Eucalyptus leaf beetle *Chrysophtharta m-fuscum*	Eucalyptus	Pub	1

PEST EXCLUSION ACTIVITIES

Pest Intercepted **Common Name/*Genus species***	**Material**	**Source***	**Scope of Program** **Pest Interceptions**
Fig wax scale *Ceroplastes rusci*	Palm	Quar	4
Glassy scale *Inglisia vitrea*	Bay leaves	Quar	1
Glassy-winged leafhopper *Homalodisca coagulata* (adults)	Nursery plants	Nurs	367
Glassy-winged leafhopper *Homalodisca coagulata* (eggs)	Nursery plants	Nurs	528
Great southern white *Ascia monuste*	Cycad	Quar	1
Green garden looper *Chrysodeixis eriosoma*	Cut foliage	Quar	11
Green shield scale *Pulvinaria psidii*	Nursery plants	Nurs	5
Hopper *Protalebrella brasiliensis*	Cut foliage	Quar	8
Katydid *Conocephalus saltator*	Cut foliage	Quar	4
Katydid *Phaneroptera furcifera*	Cut foliage	Quar	2
Leafhopper *Agallia sp.*	Cut foliage	Quar	79
Leafhopper *Gyponana germari*	Cut foliage	Quar	16
Lesser snow scale *Pinnaspis strachani*	Cut foliage	Quar	8
Limacodid moth *Darna pallivitta*	Palm	Quar	1
Little fire ant *Wasmannia auropunctata*	Ginger Sweet potato	Quar	3
Long horned beetle *Sybra alternans*	Cut foliage	Quar	3
Long-legged ant *Anoplolepis gracilipes*	Cut foliage	Quar	4

PEST EXCLUSION ACTIVITIES

Pest Intercepted **Common Name/*Genus species***	**Material**	**Source***	**Scope of Program** **Pest Interceptions**
Lygaeid bug *Nysius sp.*	Cut foliage	Quar	66
Magnolia white scale *Pseudaulacaspis cockerelli*	Cut foliage	Quar	79
Pacific beetle cockroach *Diploptera punctata*	Cut foliage	Quar	3
Pickle worm *Diaphania nitidalis*	Cucumber	Quar	17
Planthopper *Kallitaxila granulata*	Cut foliage	Quar	38
Planthopper *Melormenis antillarum*	Basil	Quar	4
Purple scale *Lepidosaphes beckii*	Citrus	Quar	1
Pyriform scale *Protopulvinaria pyriformis*	Nursery plants	Nurs	3
Red wax scale *Ceroplastes rubens*	Cut foliage	Quar	6
Rufous scale *Selenaspidus articulatus*	Cut foliage	Quar	12
Slant-faced grasshopper *Atractomorpha sinensis*	Basil	Quar	8
Slug *Meghimatium striatum*	Dracaena	Quar	3
Slug *Veronicella sp.*	Cut foliage	Quar	17
Snail *Bradybaena similaris*	Cut foliage	Quar	13
Snail *Zachrysia provisoria*	Palm	Quar	2
Soil mealybug *Geococcus coffeae*	Palm	Quar	1
Soil mealybug *Rhizoecus americanus*	Palm	Quar	1

PEST EXCLUSION ACTIVITIES

Pest Intercepted **Common Name/*Genus species***	**Material**	**Source***	**Scope of Program** **Pest Interceptions**
Soil mealybug *Rhizoecus hawaiiensis*	Palm	Quar	1
Soil mealybug *Rhizoecus hibisci*	Palm	Quar	3
Spiraling whitefly *Aleurodicus dispersus*	Cut foliage	Quar	143
Stellate scale *Vinsonia stellifera*	Cut foliage	Quar	16
Striped mealybug *Ferrisia sp.*	Nursery plants Cut foliage	Quar/Nurs	2
Sweet potato weevil *Cylas formicarius*	Sweet potato	Quar	3
Taro planthopper *Tarophagus colocasiae*	Cut foliage	Quar	1
Thrips *Liothrips sp.*	Tamarind	Quar	1
Tropical fire ant *Solenopsis geminata*	Basil	Quar	3
Tropical palm scale *Hemiberlesia palmae*	Bay leaves	Quar	1
West Indian flatid *Melormenis antillarum*	Cut foliage	Quar	3
Whitefly *Aleurocerus sp.*	Cut foliage	Quar	2
Whitefly *Aleurotrachelus sp.*	Cut foliage	Quar	6
White footed ant *Technomyrmex albipes*	Cut foliage	Quar	80
TOTAL			**1,701**

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

Greenhouses 1969

Front Entrance 2006

Overview of Nursery 2003

MONROVIA® GROWERS

HORTICULTURAL CRAFTSMEN™
SINCE 1926

Our County has lost its oldest and largest contiguous nursery acreage to urbanization. Our Department has valued the 80-year relationship with Monrovia Growers. Many residents and visitors will miss the view from the hilltop - the mosaic patchwork of color that epitomizes the nursery industry.

Los Angeles County has been home to Monrovia Growers since its founding in 1926 when Harry Rosedale pioneered the concept of growing plants in containers rather than planting them in the ground and uprooting for sale. His innovation in growing plants entirely in "cans" was a significant development and Monrovia quickly set itself apart from its competitors.

Today, with over 2,200 plant varieties and five growing locations nationwide, Monrovia is one of the world's largest producers of container-grown plants, shipping millions of plants annually. The company has introduced hundreds of patented plants, 300 of which are Monrovia exclusives. Monrovia produces more than 22 million plants each year at its nurseries in Visalia, CA; Dayton, OR; Springfield, OH; La Grange, NC; and Cairo, GA.

In 1954, when Monrovia moved the nursery to Azusa from its original location in the city of Monrovia, this area was primarily agricultural, with numerous commercial nurseries and citrus groves. By the 1990's, Monrovia remained the only agricultural entity in a community that had grown tremendously in population. The nursery was surrounded by homes, a college, and shopping centers.

In September 2004, Monrovia completed the sale of the 500-acre nursery property in Azusa. It has been approved for development of 1,250 homes and 50,000 square feet of retail shopping. There will also be a school, numerous parks, a community recreation center and a transit center for the future Foothill expansion of the Metro Gold Line.

Acknowledgments

We sincerely thank Monrovia Growers and Katie Bloome for the article and permission to publish photographs of the nursery. A special word of thanks to all who assisted in creating this edition of the crop report: Inspectors Cynthia Werner and Christine Belden for their photographs; Inspectors Erineo Ada, Christine Belden, Tom Herrera, Gary Mork, Michael Sium, Adrian Zavala, Deputy Agricultural Commissioner/Sealer Jim Wiseman, and the Entomology Laboratory Staff, Dr. Gevork Arkelian and Sonya Carlos, who assisted in gathering and compiling the statistics; Administrative Assistant Karen Wong, who generated the completed statistical report and layout. Particular thanks to Richard G. Sokulsky, Deputy Agricultural Commissioner, for supervising the completion of this year's report.

Los Angeles County
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Weights and Measures Department

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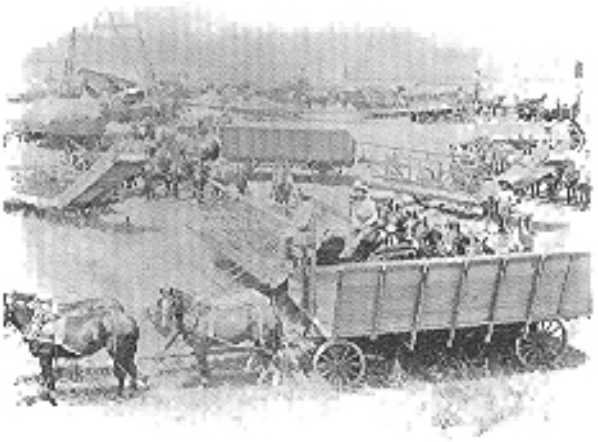
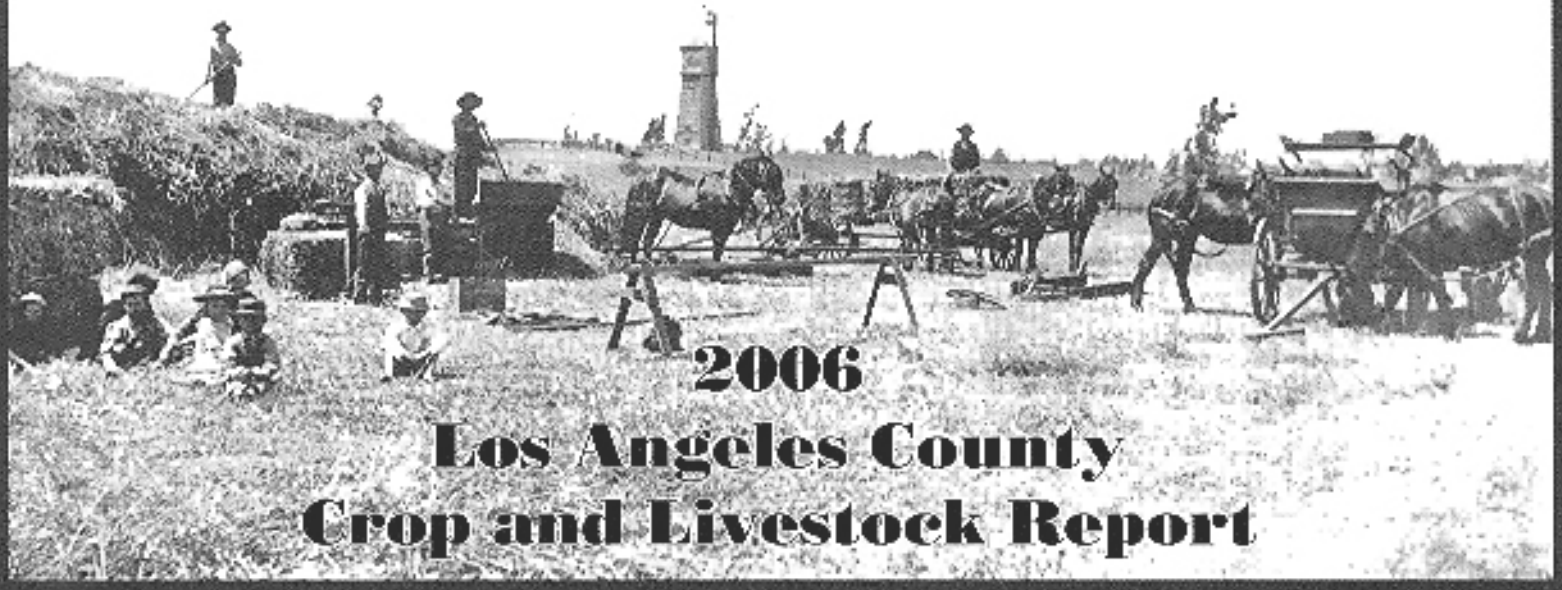


Protecting California Agriculture

1881 - 2006

125 Years



2006
Los Angeles County
Crop and Livestock Report

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"Aggie Centennial Brand" citrus label was designed in 1981 by artist Loren Clapp to commemorate 100 years of service by the department.

ACKNOWLEDGEMENTS

We sincerely thank Maynard Johnson with El Monte Printing, Inc. for the design layout of this year's crop report, which commemorates 125 years of departmental service to the growers, businesses, and residents of Los Angeles County. A special word of thanks to all who assisted in creating this edition of the crop report: Inspector Cynthia Werner and Public Information Officer Kenneth Pellman for their research on the history of the department; Inspectors Cynthia Werner, Christine Belden, and the Los Angeles County Farm Bureau for the crop photographs; Dr. Gevork Arakelian, Dr. Jerry Turney, and Jim Wiseman for the insect and plant photographs; Inspectors Erinea Ada, Christine Belden, Liza Chang, Ibrahim Abdel-Fatah, Margot Lowe, Gary Mork, Adrian Zavala, Deputy Agricultural Commissioner/Sealer Jim Wiseman, the Entomology Laboratory Staff, Dr. Gevork Arakelian and Sonya Carlos, and Plant Pathologist Dr. Jerry Turney who assisted in gathering and compiling the statistics; and Administrative Assistant Karen Wong, who generated the completed statistical report. Particular thanks to Richard G. Sokulsky, Deputy Agricultural Commissioner/Sealer, for supervising the completion of this year's report.

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Yvonne B. Burke - Second District
Don Knabe - Fourth District
Michael D. Antonovich - Fifth District

2006 CROP AND LIVESTOCK REPORT

The total gross value of agricultural crops and commodities produced in Los Angeles County during 2006 was **$270,915,000**. This value reflects a slight decrease of 2.49% from last year's total of $277,844,000.

Harvested acreage for vegetable crops dropped by 30% and overall yields were 36% lower than 2005 yields. Offsetting production losses in vegetable crops, field crops, dairy and livestock production were significant gains of 14.6% in fruit and nut crops and 6.4% in nursery production. These gains were driven by a combination of increases in value and yields and a growth in total harvested acreage.

Nursery products remain the number one crop produced in Los Angeles County. The industry remains strong and resilient despite the closure of the largest commercial nursery in Los Angeles County, escalating operational costs, and shipping restrictions due to quarantines addressing Sudden Oak Death, Glassy-Winged Sharpshooter, and Red Imported Fire Ant.

I wish to express my sincere appreciation to each of the producers and individuals who provided information for this report. My thanks are extended to the skilled and dedicated staff of this department who continue to do an excellent job in serving and protecting the agricultural community and in compiling these important statistics.

Respectfully submitted,

Kurt E. Floren
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 published in accordance with Sections 2272 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 Commodities

1.	Ornamental Trees and Shrubs	$119,147,000
2.	Bedding Plants	$37,041,000
3.	Root Vegetables	$29,446,000
4.	Orchard Fruit	$18,474,000
5.	Alfalfa Hay	$8,350,000
6.	Indoor Plants, Foliage	$6,302,000
7.	Dairy & Livestock	$6,228,000
8.	Strawberries	$4,961,000
9.	Indoor Plants, Flowering	$3,947,000
10.	Ground Covers	$2,539,000
11.	Grain Hay	$1,570,000
12.	Grapes	$1,407,000
13.	Vine Crops	$1,392,000
14.	Apiary	$1,211,000
15.	Herbs	$1,143,000
16.	Apples	$1,087,000

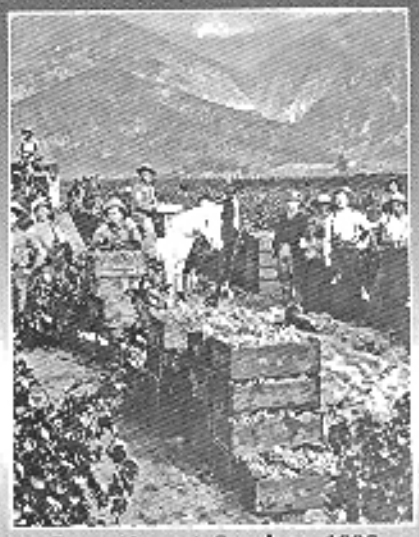
Walnuts were one of the original "million dollar" commodities. In 1881, there were 33,000 bearing walnut trees. By 1900, there were more than 300,000 trees on 10,000 acres. In 1933, when crop production yields were first recorded, 26,000 acres produced 15 million pounds of nuts worth almost 2 million dollars! Only the citrus industry was a bigger producer. The city of Walnut was originally part of Rancho Los Nogales, or the "ranch of walnut trees." The arrival of the Walnut Husk Fly and rapid urbanization in the late 1950s resulted in the demise of the walnut industry in Los Angeles County.

Walnut orchard spray application, San Fernando Valley, 1933

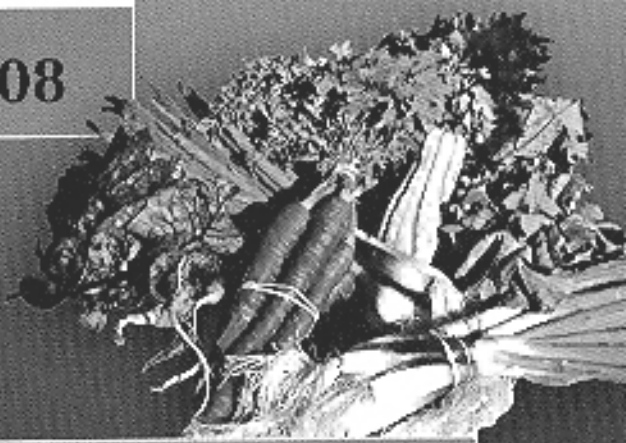
Sustainable Agriculture Reporting

ORGANIC FARMING STATISTICS

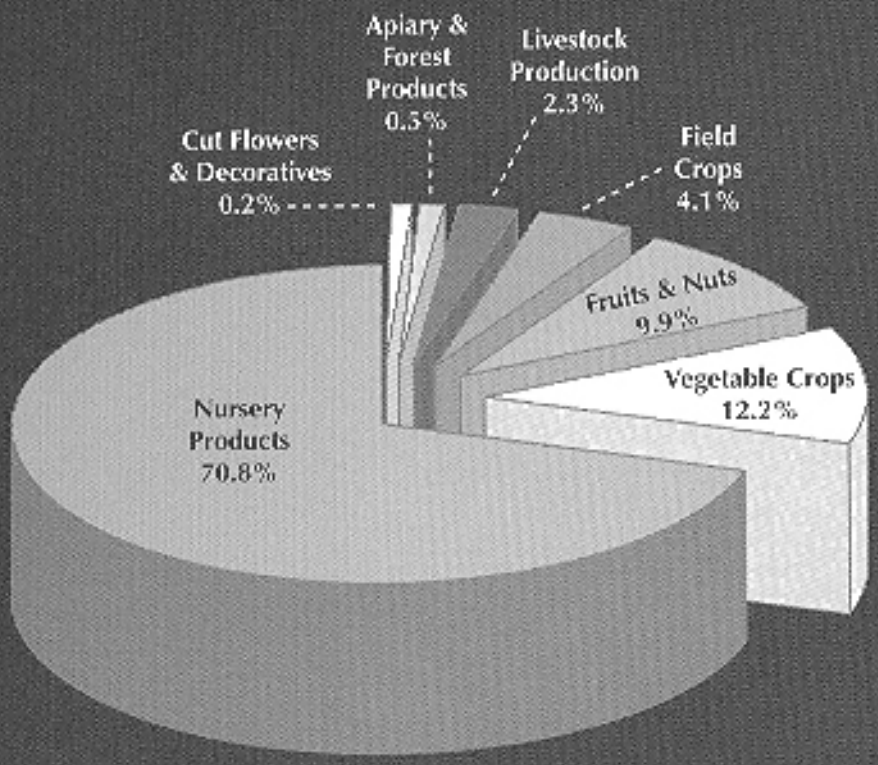
CROPS	ESTIMATED ACRES 2006	2005
Apples	1	1
Apricots	8	6
Avocados	5	8
Cantaloupes	0	1
Cactus Pears	3	0
Cherimoyas	1	0
Cherries	1	1
Citrus	24	5
Grapes	27	27
Herbs (including sprouts)	3	23
Peaches	13	10
Pears	0	3
Persimmons	1	2
Pomegranates	1	2
Miscellaneous	1	0
Vegetables	22	19
TOTAL	**111**	**108**



Grape Harvest, Pasadena, 1898 courtesy of Pasadena Historical Museum



YEAR	FARMS	ACRES
2006	16	111
2005	15	108



Inspector L.E. Myers examining nursery stock at the Alameda Rail Yard, 1938

SUMMARY

Commodity	2005	2006
Nursery Products	$180,325,000	$191,879,000
Cut Flowers & Decoratives	$820,000	$581,000
Fruits and Nuts	$23,274,000	$26,674,000
Vegetable Crops	$51,980,000	$33,146,000
Field Crops	$12,860,000	$11,176,000
Livestock Production	$7,319,000	$6,228,000
Apiary	$1,223,000	$1,211,000
Forest Products	$43,000	$20,000
TOTAL	$277,844,000	$270,915,000

Item	Year	Green House Square Feet	Field Acres	Total Value	
Ornamental Trees	2006	4,172,000	1,507	$119,147,000	▲
	2005	3,039,000	1,583	$107,866,000	
Bedding Plants	2006	1,617,000	152	$37,041,000	▲
	2005	1,862,000	140	$30,631,000	
Indoor Plants, Flowering	2006	552,000	2	$3,947,000	▼
	2005	719,000	6	$5,283,000	
Indoor Plants, Foliage	2006	435,000	57	$6,302,000	▲
	2005	470,000	6	$4,331,000	
Ground Covers	2006	289,000	42	$2,539,000	▼
	2005	980,000	34	$6,731,000	
Miscellaneous *	2006	279,000	1,736	$22,903,000	▼
	2005	151,000	1,401	$25,483,000	
TOTAL	2006	7,344,000	3,496	$191,879,000	▲
	2005	7,221,000	3,170	$180,325,000	

* Includes perennials, vegetable plants, bonsai plants, orchids, sod, palm trees, and cacti.

Nursery Products

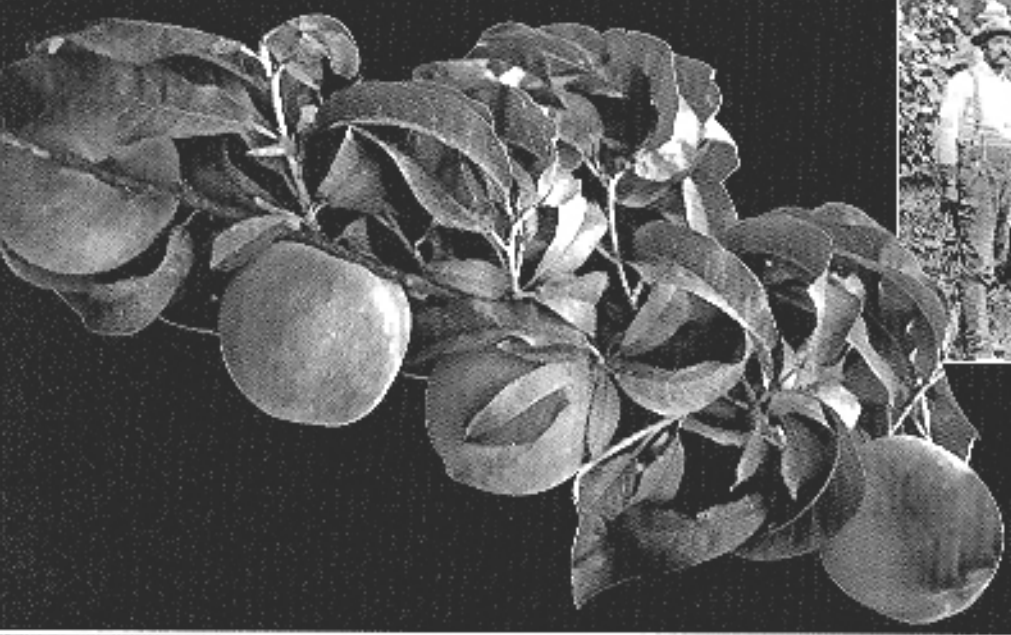
Cut Flowers & Decoratives

Item	Year	Green House Square Feet	Field Acres	Total Value	
Miscellaneous *	2006	349,000	70	$581,000	▼
	2005	67,000	86	$820,000	

* Includes lilacs, pompoms, freesias, fruit blossoms, mums, snapdragons, yarrow, delphiniums, Christmas trees, and other miscellaneous.

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Strawberries	**2006**	**106**	**17.3**	**1,830**	Ton	**$2,711**	**$4,961,000**	▲
	2005	121	11.6	1,407		$2,348	$3,303,000	
Avocados	**2006**	**60**	**1.7**	**100**	Ton	**$658**	**$66,000**	▼
	2005	101	1.0	101		$1,204	$122,000	
Cherries	**2006**	**155**	**0.9**	**138**	Ton	**$4,500**	**$621,000**	▲
	2005	150	0.7	105		$3,800	$399,000	
Apples	**2006**	**145**	**5.0**	**725**	Ton	**$1,500**	**$1,087,000**	▲
	2005	150	5.3	795		$1,200	$954,000	
Grapes	**2006**	**341**	**3.4**	**1,149**	Ton	**$1,224**	**$1,407,000**	▲
	2005	325	3.6	1,186		$811	$962,000	
Orchard Fruit	**2006**	**1,088**	Includes nectarines, peaches, pears, plums, oranges, tangerines, apricots, lemons, and grapefruits.				**$18,474,000**	▲
	2005	1,073					$17,455,000	
Miscellaneous	**2006**	**28**	Includes figs, pistachios, raspberries, other miscellaneous fruit and nut crops.				**$58,000**	▼
	2005	30					$79,000	
TOTAL	**2006**	**1,923**					**$26,674,000**	▲
	2005	1,950					$23,274,000	

Fruit & Nut Crops



Lemon pickers pose in a San Dimas grove, c.1927-28, courtesy of San Dimas Historical Society

Inspector McCorkindale checking below counter for deceptive display at the Grand Central Market, 1938

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Root Vegetables	**2006**	**5,629**	Includes dry onions, carrots, potatoes, radishes, beets, turnips, and other root vegetables.				**$29,446,000**	▼
	2005	8,038					$46,866,000	
Herbs	**2006**	**40**	Includes cilantro, parsley, chives, mint, thyme, and other herb vegetables.				**$1,143,000**	▼
	2005	167					$2,432,000	
Table Greens	**2006**	**19**	Includes spinach, kale, oriental specialties, and lettuce.				**$221,000**	▼
	2005	50					$398,000	
Vine Crops	**2006**	**103**	Includes cucumbers, green beans, melons, pumpkins, squash, tomatoes, watermelons, and zucchini.				**$1,392,000**	▼
	2005	134					$1,504,000	
Miscellaneous	**2006**	**168**	Includes bell peppers, cacti, celery, chard, sweet corn, green onions, Mexican onions, and other miscellaneous.				**$944,000**	▲
	2005	384					$780,000	
TOTAL	**2006**	**5,959**					**$33,146,000**	▼
	2005	8,773					$51,980,000	

Vegetable Crops

The Seeds of Tomorrow are Deep-Rooted in the Past
Spanish Proverb

The history of the County of Los Angeles Department of Agricultural Commissioner/Weights and Measures is inseparably linked to the history of the area. With abundant sunshine, very rare freezes, many rivers and streams, and bays on the Pacific Ocean, the rich land of Los Angeles County presented an ideal place for agriculture to thrive. From 1770 through 1830, Spanish missionaries introduced many new crops to California. Wine grapes, Seville oranges, and "Mission" olives flourished in the mild climate. After the missions were abandoned in 1835, these "mother" plants gave birth to our agricultural industry as cuttings were salvaged from the neglected orchards and vineyards and planted throughout California.

In 1850, California became a state and Los Angeles became a county. The county was home to one of the state's first commercial citrus orchards, whose owner, William Wolfskill, made his money in "citrus gold," selling oranges for $1 apiece to gold miners. Alexander Craw, overseer of the Wolfskill orchard, later became Los Angeles County's first Horticultural Commissioner.

In the 1870s, world-wide attention was drawn to financial losses resulting from the spread of *Phylloxera vastatrix*, a grape-louse that feeds on and damages vine roots. Cultivated grapevines throughout the world were affected and scientists became highly diligent in efforts to devise a means of controlling this pest. This effort laid the foundation for the system of plant quarantine regulations that prevails throughout the world today and led to the creation of the United States Department of Agriculture.

On April 5, 1880, California's first statewide agricultural program was initiated with "An Act for the Promotion of Viticultural Industries of the State." On December 10, 1881, Los Angeles County appointed Alexander Craw, H.K. Snow, and James Foord, three giants in the agricultural world, to the first Board of Horticultural Commissioners (changed in 1929 to "Agricultural Commissioner"). After 1911, duties were expanded to include concerns of the marketplace, such as fruit and vegetable standardization and cultural aids to assist farmers in weed and rodent control. Later, duties would again expand to providing assurances to farmers of honest weights and measures and protections from unscrupulous middlemen. In 1984, the County merged the formerly separate departments of Agricultural Commissioner and Weights and Measures to simplify and streamline the administration and duties of both departments.

Horticultural Inspector (above) checking produce at a retail produce stand, circa 1920

Los Angeles County Feeds the Nation
1909 - 1950

The earliest available crop production records for Los Angeles County date to 1875, reflecting a fruit crop value of $525,000 with only 1,100 trees in production. By 1881, the year the Horticultural/Agricultural Commissioner system was implemented, statistics for 35 different crop and livestock products were reported. Wheat was our #1 commodity, with two million bushels harvested from 55,000 acres. Fruit crop value had doubled to $950,000 with over 682,000 bearing trees and 11,000 acres of grapes!

The Los Angeles population increased from about 11,000 in 1880 to 60,000 in 1890. What is now Orange County was, until 1889, part of Los Angeles County. The orange industry remained substantial in Los Angeles and, in 1893, growers founded the Southern California Fruit Growers Exchange, whose trade name was Sunkist. Agriculture was becoming an increasingly significant part of the Los Angeles area economy. The Horticultural Commissioner began formally reporting crop statistics in 1900. In 1912, the Los Angeles County report showed 4,203,077 fruit-bearing trees, 4,846,400 units of nursery stock, and 5,815,000 in seed bed stock. The area's sometimes negligible rainfall and unreliable, wandering Los Angeles River were augmented in 1913 with the completion of the California aqueduct system.

By the 1920s, fruit cultivation, especially citrus, was the San Fernando Valley's biggest industry. Land prices for orange and lemon groves were as high as $5,000 an acre -- as much as eight times more than the cost of other land -- and at least four packing houses produced annual shipments of nearly 500 rail cars of oranges and lemons. Olives flourished and the 2,000-acre Sylmar olive grove, then the world's largest, produced 50,000 gallons of olive oil and 200,000 gallons of ripe olives. Other crops grown in the county included alfalfa, apricots, asparagus, barley, hay, beans, beets, cabbage, citrus, corn, lettuce, melons, peaches, potatoes, pumpkins, squash, tomatoes, and walnuts.

The L.A. area had many excellent dairy farms, including the world's largest Guernsey herd, in the 1920s. The devastation of the Dustbowl and the Great Depression pushed more people westward to the Los Angeles area in the 1930s. Hoover Dam, completed in 1935, channeled water to Los Angeles from the Colorado River and provided electricity from hydroelectric power, aiding farming as well as development.

Los Angeles County was the nation's top farm county from 1909 to 1950. The post-World War II residential development boom brought dramatic changes, replacing acre after acre of groves with suburbs. In 1970, there were still 54,000 acres of citrus in L.A. County, but increasing urbanization and industrial and commercial development largely replaced agricultural land and L.A. residents were losing touch with farmers. Later renewed interest in access to "raw" crops instead of highly processed food and artificial ingredients led to the rise of Certified Farmers' Markets. The County's first Certified Farmers' Market opened in 1979 in Gardena and continues today as one of over 90 operating in the County, about 25% of all such markets in the state.

Celebrating 125 Years of Agriculture

Field Crops

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Alfalfa Hay	**2006**	**5,455**	**8.5**	**46,355**	**Ton**	**$180**	**$8,350,000**	▼
	2005	5,521	8.7	47,874		$185	$8,858,000	
Grain Hay	**2006**	**3,500**	**3.2**	**11,200**	**Ton**	**$140**	**$1,570,000**	▲
	2005	2,694	3.4	9,073		$137	$1,243,000	
Rangeland	**2006**	**45,000**					**$585,000**	▼
	2005	200,000					$2,400,000	
Miscellaneous	**2006**	**1,680 ***					**** $671,000**	▲
	2005	1,381 *					** $359,000	
TOTAL	**2006**	**10,635 *****					**$11,176,000**	▼
	2005	9,596 ***					$12,860,000	

* Acreage excludes stubble.
** Value includes irrigated pasture, sudan hay, oat hay, and grazing privileges on stubble.
*** Excluding rangeland and stubble.

Most people are surprised to find out that agriculture is alive and well in southern California-and our agricultural colleges are living proof! California State Polytechnic University, Pomona (Cal Poly Pomona), continues to operate a 700-acre farm in the middle of the city; more than 60 of its graduates have come to work for the department over the years. Cal State University Long Beach has a renowned Entomology Department. Mt. San Antonio Community College provides an associate program in agriculture. Antelope Valley, the heart of Los Angeles agriculture, has an extensive high school agricultural program.

Item	Year		Total Value	
	2006	Includes dairy cattle, beef cattle, hogs, goats, chickens, milk, goat milk, eggs, etc.	**$6,228,000**	▼
	2005		$7,319,000	

Dairy & Livestock

Cal Poly Pomona Piglet: A pig's ears are notched at birth for identification purposes, similar to branding cattle. Photo courtesy of Cal Poly Pomona

Item	Year	Production	Unit	Value Per Unit	Total Value	
Honey	**2006**	**849,823**	Lb.	**$1.12**	**$941,000**	▼
	2005	1,349,760		$0.82	$1,106,000	
Beeswax	**2006**	**16,271**	Lb.	**$3.44**	**$56,000**	▲
	2005	14,141		$1.56	$22,000	
Miscellaneous	**2006**				**$214,000**	▲
	2005				$93,000	
TOTAL	**2006**				**$1,211,000**	▼
	2005				$1,223,000	

Inspector A.D. Phelps inspects a beehive for Foulbrood disease, 1955

APIARY

Item	Year		Total Value	
Firewood *	**2006**		**$20,000**	▼
	2005		$43,000	

* Figures obtained from USDA Forest Services, Angeles National Forest.

FOREST PRODUCTS

Pest Detection Activities

PEST	NUMBER OF TRAPS	SPECIMENS TRAPPED
Mexican Fruit Fly	4,975	7
Mediterranean Fruit Fly	5,010	0
Melon Fly	4,990	2
Oriental Fruit Fly	4,990	18
Guava Fruit Fly (traps shared with Oriental Fruit Fly)		1
Peach Fruit Fly (traps shared with Oriental Fruit Fly)		1
Gypsy Moth	3,700	4
Asian Gypsy Moth (traps shared with Gypsy Moth)		1
Japanese Beetle	3,080	13
Khapra Beetle	297	0
European Pine Shoot Moth	13	0
European Corn Borer	12	0
TOTAL	27,067	47

1929 CDFA Medfly Flyer

Chief Deputy John Manning inspecting citrus

Inspector L. E. Myers checking a Mexican Fruit Fly Trap, 1938

Archival insect traps

Pest Eradication Activities

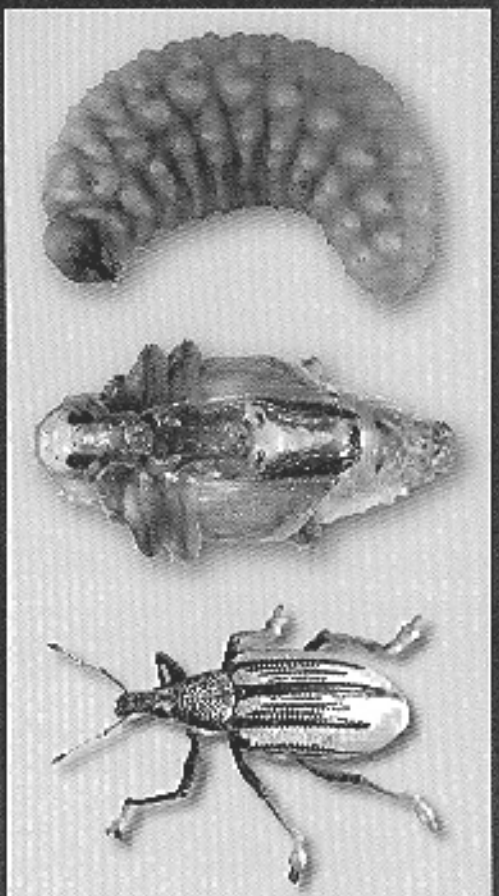
PEST	METHOD	SCOPE of PROGRAM
Mexican Fruit Fly	Ground bait and sterile Mexican Fruit Fly release	2 treatment areas
Oriental Fruit Fly	Male annihilation	3 treatment areas
Mediterranean Fruit Fly	Continued preventative program: sterile Medfly release countywide	Approximately 14.4 billion steriles released
Red Imported Fire Ant	Bait treatments Post treatment monitoring	279 properties 67 properties

Biological Control Activities

PEST	AGENT / MECHANISM	SCOPE of PROGRAM
Mediterranean Fruit Fly	Sterile Release	14,352,759,000 sterile flies released

Pest Exclusion Activities

PEST EXCLUSION VIOLATION	# of VIOLATIONS ISSUED
Infested/Presumed Infested	328
Markings	16
Burrowing and Reniform Nematodes	6
Caribbean Fruit Fly	4
Cedar Apple Rust	2
Cherry Fruit Fly	1
Citrus Canker	1
Citrus Pests	8
Colorado Potato Beetle	3
Failure to Hold	3
Federal (Hawaiian) Quarantine	3
Imported Fire Ant	2
Japanese Beetle	2
Mishandling	1
Plum Curculio and Blueberry Maggot	5
Sweet Potato Weevil	1
TOTAL	386



Diaprepes Root Weevil Life Cycle

PEST INTERCEPTED Common Name (*Genus species*)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Albopicta scale *(Acutaspis albopicta)*	Cut Foliage	Quar	1
Ant *(Ochetellus glaber)*	Cut Foliage/Papaya	Quar	2
Bamboo armored scale *(Poliaspoides formosanus)*	Bamboo	Pub	1
Bark beetle *(Xylosandrus sp.)*	Cut Foliage	Quar	1
Big headed ant *(Pheidole megacephala)*	Cut Foliage	Quar	9
Boxwood scale *(Pinnaspis buxi)*	Cut Foliage	Quar	9
Brown marmorated stink bug *(Halyomorpha halys)*	Ornamental Plants	Pub	6
California red scale *(Aonidiella auranti)*	Cycad	Nurs	1
Chinese rose beetle *(Adoretus sinicus)*	Cut Foliage	Quar	3
Citrus leafminer *(Phyllocnistis citrella)*	Citrus	Nurs/Pub	6
Coconut mealybug *(Nipaecoccus sp.)*	Palm	Nurs	6
Coconut scale *(Aspidiotus destructor)*	Cut Foliage	Quar	16
Cricket *(Trigonidium sp.)*	Betel Leaf	Quar	1
Cricket *(Trigonidomorpha sjostedti)*	Dracaena	Quar	4
Croton mussel scale *(Lepidosaphes tokionis)*	Cut Foliage	Quar	2
Cutworm *(Agrotis sp.)*	Sweet Basil	Quar	1

Pest Exclusion Activities

PEST INTERCEPTED Common Name (Genus species)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Cycad aulacaspis scale *(Aulacaspis yasumatsui)*	Cycad	Quar	13
Fig wax scale *(Ceroplastes rusci)*	Palm	Quar	5
Giant African snail *(Achatina fulica)*	Taro leaves	Quar	2
Glassy-winged sharpshooter *(Homalodisca coagulata)*-adults	Nursery plants	Nurs	406
Glassy-winged sharpshooter *(Homalodisca coagulata)*-eggs	Nursery plants	Nurs	339
Green garden looper *(Chrysodeixis eriosoma)*	Cut foliage	Quar	8
Green scale *(Coccus viridis)*	Panda leaves	Quar	2
Green shield scale *(Pulvinaria psidii)*	Nursery plants	Nurs	9
Hopper *(Protalebrella brasiliensis)*	Cut Foliage	Quar	5
Katydid *(Conocephalus saltator)*	Cut foliage	Quar	3
Katydid *(Euconocephalus sp.)*	Basil	Quar	1
Katydid *(Phaneroptera furcifera)*	Cut Foliage	Quar	5
Leaf-footed bug *(Physomerus grossipes)*	Betel Leaf	Quar	1
Leafhopper *(Agallia sp.)*	Cut Foliage	Quar	31
Leafhopper *(Gyponana germari)*	Cut Foliage	Quar	14
Leafhopper *(Oncometopia sp.)*	Dracaena	Quar	2
Lesser snow scale *(Pinnaspis strachani)*	Cut foliage	Quar	7
Limacodid moth *(Darna pallivitta)*	Palm	Quar	2
Little fire ant *(Wasmannia auropunctata)*	Cut foliage	Quar	1
Longan scale *(Thysanofiorinia nephelii)*	Longan	Nurs	1
Longhorned beetle *(Curtomerus flavus)*	Cut foliage	Quar	2
Longhorned beetle *(Sybra alternans)*	Cut foliage	Quar	2
Long-legged ant *(Anoplolepis gracilipes)*	Cut foliage	Quar	2
Lygaeid bug *(Nysius sp.)*	Cut foliage	Quar	58
Lygaeid bug *(Remaudiereana nigriceps)*	Cut foliage	Quar	1
Magnolia white scale *(Pseudaulacaspis cockerelli)*	Cut foliage	Quar/Nurs	41
Mealybug *(Dysmicoccus sp.)*	Cut foliage	Quar	3
Myoporum thrips *(Klambothrips myopori)*	Myoporum	Nurs/Pub	4
Noctuid moth *(Heliothis sp.)*	Basil	Quar	1
Pacific beetle cockroach *(Diploptera punctata)*	Cut foliage	Quar	6
Pickleworm *(Diaphania nitidalis)*	Cucumber	Quar	34
Planthopper *(Kallitaxila granulata)*	Cut foliage	Quar	23
Planthopper *(Melormenis antillarum)*	Basil	Quar	1
Purple scale *(Lepidosaphes beckii)*	Citrus	Quar	1
Pyriform scale *(Protopulvinaria pyriformis)*	Nursery plants	Nurs	11
Red imported fire ant *(Solenopsis wagneri)*	Magnolia	Quar	1

Pest Exclusion Activities

PEST INTERCEPTED Common Name (Genus species)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Red wax scale *(Ceroplastes rubens)*	Cut foliage	Quar	1
Rice beetle *(Dyscinetus morator)*	Aquatic plants	Quar	1
Rufous scale *(Selenaspidus articulatus)*	Cut foliage	Quar	2
Slant-faced grasshopper *(Atractomorpha sinensis)*	Basil	Quar	9
Slender soft scale *(Coccus acutissimus)*	Cut foliage	Quar	1
Slug *(Meghimatium striatum)*	Dracaena	Quar	5
Slug *(Veronicella sp.)*	Cut foliage	Quar	15
Snail *(Bradybaena similaris)*	Cut foliage	Quar	10
Snail *(Zachrysia provisoria)*	Palm	Quar	2
Soil mealybug *(Geococcus coffeae)*	Palm	Nurs	1
Soil mealybug *(Rhizoecus hawaiiensis)*	Palm	Quar	1
Soil mealybug *(Rhizoecus hibisci)*	Palm	Quar/Nurs	6
Spiraling whitefly *(Aleurodicus dispersus)*	Cut foliage	Quar	92
Stellate scale *(Vinsonia stellifera)*	Cut foliage	Quar	2
Sweet potato weevil *(Cylas formicarius)*	Sweet potato	Quar	1
Taro planthopper *(Tarophagus colocasiae)*	Cut foliage	Quar	1
Tropical fire ant *(Solenopsis geminata)*	Basil	Quar	5
Weevil *(Pholidophorus advena)*	Papaya	Quar	1
Weevil *(Orchidophilus sp.)*	Cut foliage	Quar	2
West Indian flatid *(Melormenis antillarum)*	Cut foliage	Quar	1
West Indian powderpost termite *(Cryptotermes brevis)*	Paper rolls	Quar	1
Whitefly *(Aleurotrachelus sp.)*	Cut foliage	Quar	2
Whitefooted ant *(Technomyrmex albipes)*	Cut foliage	Quar	25
White peach scale *(Pseudaulacaspis pentagona)*	Papaya	Quar	1
Plant Pathology Laboratory			
Azalea leaf spot *(Phytophthora foliorum)*	Azalea	Nurs	2
Hairy crabweed *(Fatoua villosa)*	Shefflera	Quar	1
Soda apple *(Solanum viarum)*	Vacant lot	Pub	1
Sudden oak death *(Phytophthora ramorum)*	Camellia/Laurus	Nurs	2
Yellow nutsedge *(Cyperus esculentus)*	Nursery plants	Nurs	1
TOTAL			**1,312**

*SOURCE: Nurs: Nursery Pub: Public Quar: Quarantine

What's Bugging Agriculture?

As agriculture is a significant segment of California's economy, invasive pests pose a potentially devastating risk. Our mild climate, numerous fruit fly hosts, large and diverse human population, and the fact that the region is a center of commerce and transportation mean that we must be constantly diligent in preventing non-native pests from becoming established. These factors led to the establishment of Los Angeles County's comprehensive pest detection program in 1946. Since then, more exotic fruit pests have been found here than in any other county in the United States.

Perhaps the most well-known pest to residents of Los Angeles County is the Mediterranean Fruit Fly. In 1975, the first Medfly infestation in California was found in Los Angeles County. In response to that infestation, sterile flies were used for the first time as an eradication method. During the 1990s, Medfly infestations were found across the state. Eradication efforts included both aerial application of Malathion bait and the release of sterile Medflies. Since 1990, a continuous release of sterile Medflies has reduced the number of infestations by approximately 97%.

Other exotic flies including Mexican, Oriental, Melon, Peach, and Guava have been detected in Los Angeles County over the years. The key to success in eradication efforts is the early detection of any infestation and a resulting prompt response to combat the pests before they can become firmly established and widespread throughout the region.

The Argentine Ant eradication program in 1923 failed to keep the pest from establishing itself in California. Today, the Red Imported Fire Ant is threatening to establish itself in the Southern California area. Agencies and the public must work together if this pest is to be eradicated and not follow the history of the Argentine Ant.

As they always have, pests and diseases continue to pose risks to local agriculture, decorative landscaping, and native plant species. Glassy-winged sharpshooter, a vector of Pierce's Disease, threatens the grape and wine industry; nursery inspection is vital to prevent movement of this pest to Northern California. Thorough inspection of nursery stock is equally critical to preventing the spread of Sudden Oak Death, which has created much financial loss to the nursery industry. Diaprepes Root Weevil currently infests two L.A. County neighborhoods.

"Don't Bug Me" is a recurrent message, encouraging residents and travelers to be aware and knowledgeable of risky pests and to avoid transporting them into our environment. Our department has created a series of trading cards highlighting some of these exotic pests and invasive species to aid in educating the public.

Where has All the Agriculture Gone?

Today, over 10 million people call Los Angeles County home, residing in 88 cities and approximately 140 unincorporated areas. When one now considers the area, it is hard to believe that the San Fernando Valley was once known for egg production, that South Pasadena had an ostrich farm and that places like Norwalk were once known for their dairy production. Indeed, until 1966, the official name of Cerritos was Dairy Valley. Most of the local dairy industry relocated in the 1970s to San Bernardino County where the cycle of suburban sprawl replacing agricultural land is repeating. Our citrus industry moved to the Central Valley along the foothills of the Sierra Nevada Mountains.

While not as prevalent as in years past, agriculture remains a significant part of the county's economy. As this report details, crops continue to be raised here and the nursery stock industry is thriving. Utility rights-of-way that do not accommodate permanent dwellings are often greened with crops and nurseries, yet even these are being lost to growers due to storage and sprawl!

2 Mexican Fruit Fly

To request a complete set of trading cards, please call Cindy Werner at 626-459-8866

DON'T BUG ME

Don't bring uninspected fruit into California...please.

Weather cycles have continued much as in the preceding 125 years with their usual fluctuations. During the 2004-2005 storm season, the county received record rainfall, amounting to 35 inches in downtown L.A. and up to 60 inches in the mountains, while the following year was quite dry. Freezes will occasionally occur, dry years will happen, and water availability will remain an issue, but abundant sunshine will always continue. The Department of Agricultural Commissioner/Weights and Measures will also continue to help the agricultural industry to remain strong and flourish in Los Angeles County.

L.A. AGRICULTURE ON FILM

A decade of filming has produced a three part series entitled

"IN THE FOOTPRINT OF THE CITY"

Sixty years ago the Los Angeles Basin owned the proud reputation of being the most prolific agricultural area within California and the nation. The region's mild climate, a guaranteed water supply, and proximity to major shipping routes gave local growers an unrivaled advantage in production and distribution. However, the successful elements that created this agricultural empire also contributed to its demise, as people, migrating from all over the world, were lured to the mild, seductive climate of Southern California." Dan P. Tripoli, Producer

Part I: HIDDEN HISTORY: covers more than 100 years of history illustrating the rise and demise of our nation's once prolific agricultural area: the L.A. Basin.
Part II: THE URBAN PLOWSHARES: working within the urban fabric are hundreds of farms and nurseries trying to survive an encroaching environment.
Part III: THE SEEDS OF URBAN CHANGE: addresses establishing regional food sources within the "footprint of the city."

Between 1995 and 2005, the director interviewed local growers and Los Angeles County Agricultural Commissioner, E. Leon Spaugy. It is obvious that thousands of acres of farmland have been lost over the last century. The film has captured some of the current farmland loss in just the last decade as growing grounds are replaced with car dealerships, golf courses, casinos, and storage facilities. This documentary has captured, on film, what has been lost forever, but should not be forgotten.

FOR MORE INFORMATION OR TO ORDER THE DVDs, **visit www.metrofarming.com or www.nationalfilmnetwork.com**

1881

STATISTICS AND AGRICULTURAL PRODUCTS.

[In 1881.]

Land, inclosed, acres	92,000
Land, cultvt'd, acres	212,000
Wheat, acres	85,000
Wheat, bushels	1,700,000
Barley, acres	36,150
Oats, acres	525
Oats	(cut for hay)
Rye, acres	500
Rye, bushels	12,500
Corn, acres	25,340
Corn, bushels	1,267,500
Buckwheat, acres	100
Buckwheat, bushels	1,500
Peas, acres	140
Peas, bushels	5,000
Peanuts, acres	80
Peanuts, lbs	80,000
Beans, acres	1,100
Beans, bushels	33,000
Castor Beans, acres	900
Castor Beans, lbs	1,200,000
Potatoes, acres	3,500
Potatoes, tons	7,000
Sweet Potatoes, acres	310
Sweet Potatoes, tons	1,860
Onions, acres	275
Onions, bushels	55,000
Hay, acres	12,555
Hay, tons	28,250
Hops, acres	75
Hops, lbs.	120,000
Tobacco, acres	25
Tobacco, lbs.	25,000
Sugar Beets, acres	950
Sugar Beets, tons	19,000
Butter, lbs.	220,000
Cheese, lbs.	855,450
Wool, lbs.	3,550,675
Honey, lbs	276,000

[MADE IN 1881.]

Wine, gallons	3,100,000
Brandy, gallons	145,000
Beer, barrels	7,000

Fruit trees and vines growing.

[In 1882.]

Walnut Trees, bearing	33,000
Lemon Trees, bearing	48,350
Orange Trees, bearing	450,525
Olive Trees, bearing	3,155
Apple Trees, bearing	64,380
Pear Trees, bearing	23,640
Fig Trees, bearing	10,225
Plum Trees, bearing	8,335
Peach Trees, bearing	38,175
Quince Trees, bearing	3,100
Grapevines, acres	11,440
Value fruit crop '81,	$950,000
WOOLEN MILLS—1.	
Pounds wool used	110,000
Tons of coal mined	5,800

Improvements.

GRIST MILLS—	
Steam power	6
Run of stone	16
Water power	4
Run of stone	6
SAW MILLS—Steam power	4
Lumber sawed '81, ft	120,000
QUARTZ MILLS—1.	
DITCHES—Mining: 1.	
Miles in length	15
Average amount water used daily, inches	200
Irrigating:	
Miles in length	415
Acres irrigated	62,340
Artesian wells	1,000

Statistics have been an integral part of all historical documentation. Crop statistics for the United States have been recorded since the 1700s. During the 1800s, the California State Board of Equalization published crop statistics for each county. The 1881 report lists acreage, trees, and production totals for Los Angeles County. The archive photos on the cover illustrate some of the major crops that were grown during that era.

(Top left photo) **Teague Citrus Nursery, 1912.** Located in the San Dimas Wash, the nursery grew citrus trees that were shipped to growers all over the state. Charles Collins Teague was a pioneer in the citrus and walnut industries of California. *Photograph courtesy of the San Dimas Historical Society*

(Top right photo) **Wheat threshing machines, San Fernando Valley, 1890.** Dry land farming of wheat was the main crop of Los Angeles County during the 1800s until a prolonged drought devastated the wheat industry. *Photograph courtesy of Security Pacific Historical Photo Collection / Los Angeles Public Library*

(Middle photo) **Pasadena Grape Harvest, 1890.** Grapes were primarily grown for the wine industry during the 1800s. Vineyards sprang up along the foothills of the mountains from Pasadena all the way to Rancho Cucamonga. *Photograph courtesy of Pasadena Historical Museum*

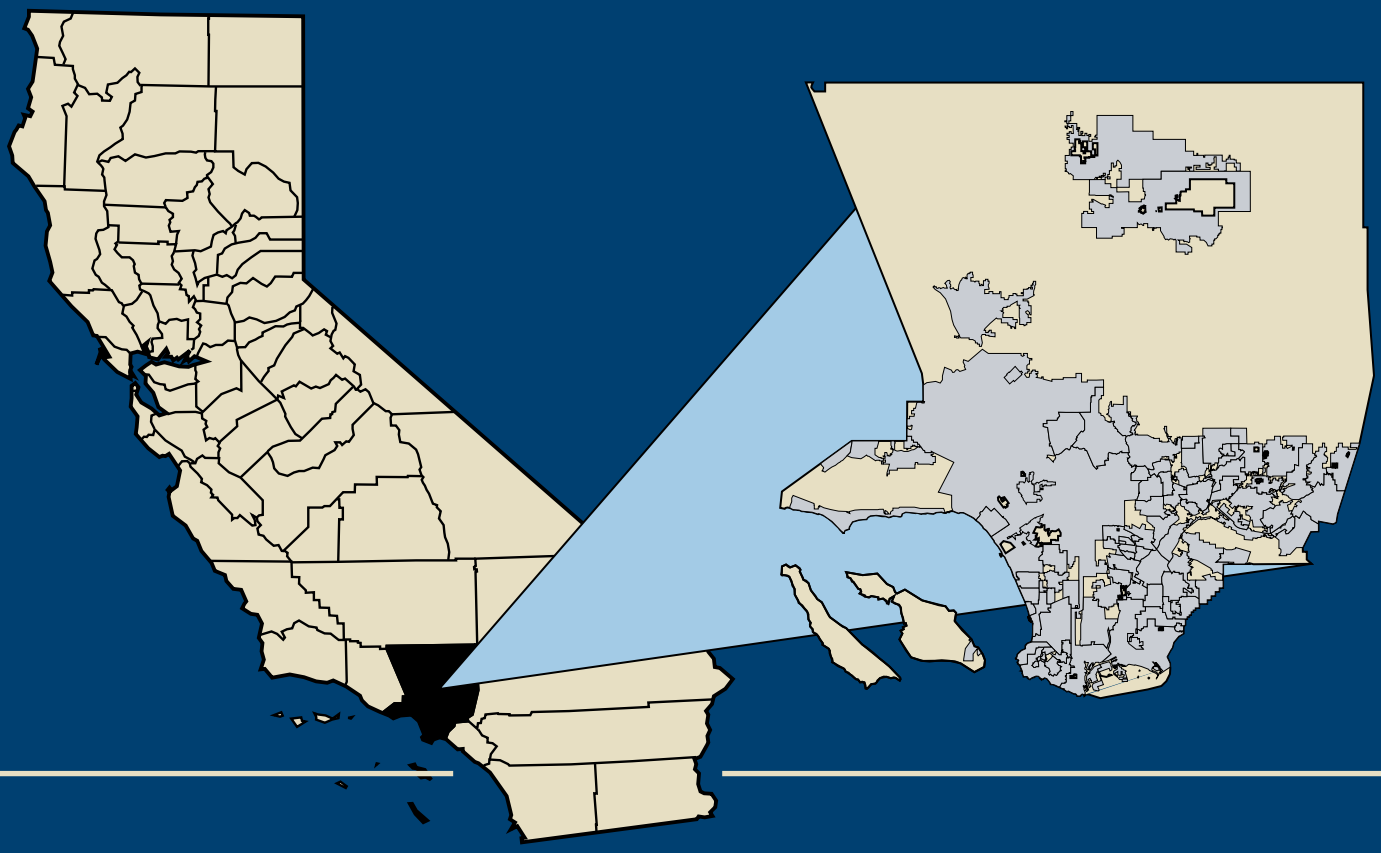
(Bottom photo) **Baling Hay, Los Angeles, 1895.** Families gathered for the harvest at the Mark C. Jones tract, at what is now Alvarado and Pico. *Photograph courtesy of Security Pacific Historical Photo Collection / Los Angeles Public Library*

US Crop Information available at www.nass.usda.gov
CA Crop information available at www.cdfa.ca.gov

Department of
Agricultural Commissioner/
Weights and Measures
County of Los Angeles

12300 Lower Azusa Road
Arcadia, California 91006

"The Great Conduit of California Agriculture"



2007

Los Angeles County Crop and Livestock Report

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On the cover:

The Grand Central Market, celebrating 90 years. The oldest and largest open-air market in the area, it gathers dozens of merchants offering a remarkable variety of fresh foods in the heart of downtown Los Angeles: fruits, vegetables, meats, herbs, spices, nuts, and candies. Fresh cut flowers and other plants are also offered, naturally, as nursery stock is Los Angeles County's top agricultural product.

Los Angeles County is the great conduit of California agriculture. Although many of our farms, ranches, groves, and nurseries have been replaced over the years by housing tracts and business parks, we're still an agricultural hub. The Ports of Los Angeles and Long Beach are an unparalleled American import/export gateway. Los Angeles International Airport handles enormous volumes of cargo. The Los Angeles Wholesale Produce Market, the largest operation of its kind in the nation, bustles with customers in the heart of Los Angeles.

Over ten million residents comprise a massive consumer base - and that isn't taking into account the commuters, business travelers, and tourists who pour into Los Angeles on a daily basis. More than one-hundred Certified Farmers Markets grace the landscape, most of them operating year-round. As a result of these realities, much of California's harvest flows to - and through - Los Angeles as our residents, visitors, and many others throughout the world enjoy a healthy, California-grown bounty.

DON'T BUG ME

Don't bring uninspected fruit into California...please.

Los Angeles County is home to over 10 million people, many of whom have roots in other countries near and far. Of course, our county also hosts millions of tourists annually. "Tourism Season" can bring exotic pest introductions as well. Our pest data is a reflection of these realities. Sometimes, it can feel like "Pest Season" year round.

Unpredictable Weather in "Sunny California"

You've always heard that Southern California is a place where the sun always shines and it is never really cold. Unfortunately, that is not quite true. We do have our seasons in Los Angeles County. In fact, during our winter, it is not uncommon to see snow on the highest mountain tops of our San Gabriel Mountain range. Well this winter, the unpredictable nature of weather hit us again with noteworthy freezing temperatures.

In the middle of January, a low pressure system from the Artic brought freezing temperatures to much of the western United States. In Los Angeles County, January 17, 2007 saw honest-to-goodness snowflakes fall in the beach community of Malibu. Surfing and skiing in the same neighborhood? Well, not quite, but it sure felt cold enough for that to happen. In the Antelope Valley, on January 14, temperatures fell to three degrees Fahrenheit. Los Angeles County alone suffered over $14 Million dollars in crop losses.

Ninety-five percent of the freeze damage, by dollar value loss, was in nursery stock. This was a disproportionately large loss given that nursery stock, the county's top crop, represents about seventy percent of the total dollar value of our county's agricultural output.

More severe freeze damage can be found in the county's history. A 1949 document about a freeze in January of that year reports "widespread damage to young citrus and avocado trees throughout Los Angeles County." That was back when Los Angeles was still the top county in agricultural production, and farms and orchards still covered places like the now densely populated San Fernando Valley.

In addition to 1949, Los Angeles County endured significant freezes in December 1990, January 1937, January 1922, and January 1913. Smudge pots were developed after a disastrous freeze in Southern California in June 1913 that wiped out a whole crop.

Let us hope that this really cold weather is just a very rare abnormality to an otherwise warm and sunny Southern California.

Photograph by Dan Berry (Top Right): Icicles, Children's Garden, The Huntington Library, Art Collections, and Botanical Gardens

Antique Smudge Pot, Monrovia Nursery

Wind Machine, Norman's Nursery

COUNTY OF LOS ANGELES

Department of
Agricultural Commissioner/
Weights and Measures

http://acwm.lacounty.gov

Kurt E. Floren
Agricultural Commissioner
Director of Weights and Measures

Richard K. Iizuka
Chief Deputy

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

and

The Honorable Board of Supervisors
County of Los Angeles

Don Knabe - Fourth District
Gloria Molina - First District
Zev Yaroslavsky - Third District
Mark Ridley-Thomas - Second District
Michael D. Antonovich - Fifth District

2007 CROP AND LIVESTOCK REPORT

The total gross value of agricultural crops and commodities produced in Los Angeles County during 2007 was **$253,368,000**. This value reflects a slight 6.48% decrease from last year's total of $270,915,000. Although this is the third consecutive year that overall production values have decreased in Los Angeles County, impressive growth was seen in several agricultural commodity groups. Field crops (grain and alfalfa hay) were up by 12% due to stronger prices and increased yields. Dairy and livestock product values were up by 36.7%, due primarily to significant increases in prices for milk. Vine crop acreage increased significantly by 42.7% and total production value was up by 69.5%.

Nursery products remain the number one crop in Los Angeles County. The freeze of January 2007 negatively affected production of ornamental trees, indoor foliage plants, and other miscellaneous nursery products. Offsetting those losses, though, were increases in values and yields of bedding plants, ground covers, indoor flowering plants, and cut flowers. Also affected by the freeze were strawberries, cherries, various stone fruits, and citrus. Above-normal temperatures may have also contributed to losses in yields of fruit and nut crops. A decline in availability of bees and unfavorable dry weather conditions resulted in a significant decline in honey production during 2007.

Growers in Los Angeles County, and throughout the state are, as always, to be commended for their hard work and determination in competing with increasing imports, escalating production costs, and pressures from introduced pests.

I wish to express my sincere appreciation to each of the producers and individuals who provided information for this report. My thanks are extended to the skilled and dedicated staff of this department who continue to do an excellent job in serving and protecting the agricultural community and in compiling these important statistics.

Respectfully submitted,

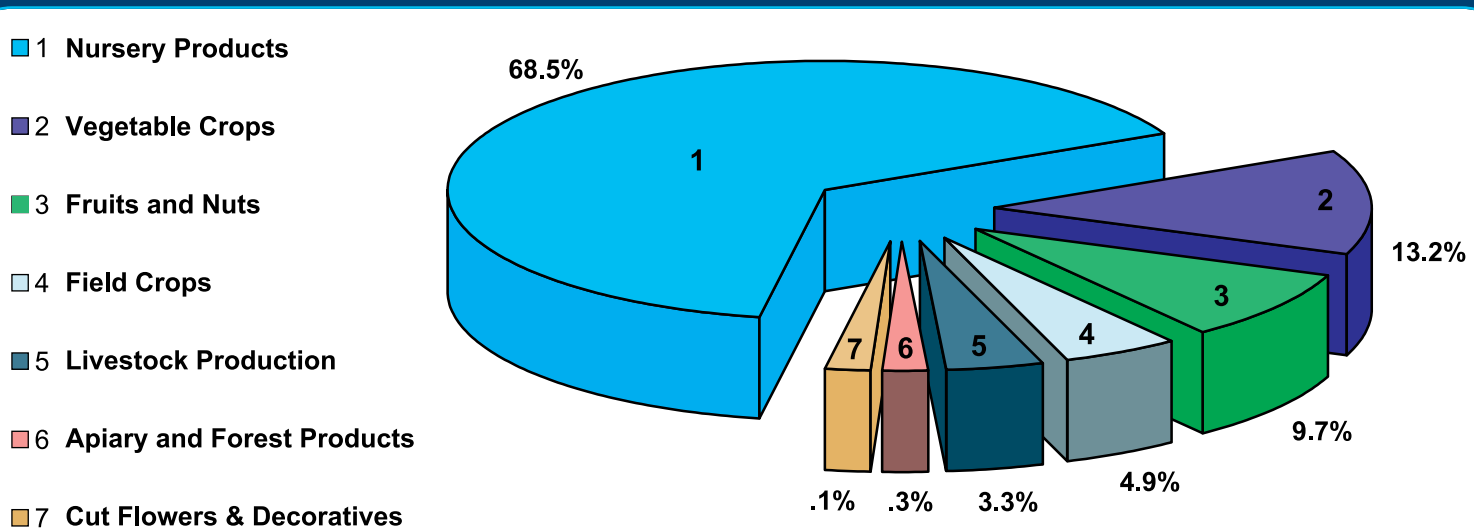
Kurt E. Floren
Agricultural Commissioner/
Director of Weights and Measures

This annual publication presents statistical information on acreage, yield, and gross value of agricultural products produced in Los Angeles County. This is published in accordance with Sections 2272 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 Commodities

1.	Ornamental Trees and Shrubs	$104,681,000	8.	Indoor Plants, Foliage	$4,284,000
2.	Bedding Plants	$43,144,000	9.	Grapes	$4,136,000
3.	Root Vegetables	$27,707,000	10.	Strawberries	$3,008,000
4.	Orchard Fruit	$16,475,000	11.	Ground Covers	$2,877,000
5.	Alfalfa Hay	$9,286,000	12.	Vine Crops	$2,359,000
6.	Dairy & Livestock	$8,513,000	13.	Grain Hay	$1,768,000
7.	Indoor Plants, Flowering	$4,425,000			

SUMMARY



Commodity	2006	2007
Nursery Products	$191,879,000	$173,580,000
Cut Flowers & Decoratives	$581,000	$734,000
Fruits and Nuts	$26,674,000	$24,469,000
Vegetable Crops	$33,146,000	$33,523,000
Field Crops	$11,176,000	$12,327,000
Livestock Production	$6,228,000	$8,513,000
Apiary	$1,211,000	$207,000
Forest Products	$20,000	$15,000
TOTAL	$270,915,000	$253,368,000

Nursery Products

Item	Year	Green House Square Feet	Field Acres	Total Value	
Ornamental Trees	**2007**	**3,378,000**	**1,447**	**$104,681,000**	▼
	2006	4,172,000	1,507	$119,147,000	
Bedding Plants	**2007**	**1,636,000**	**159**	**$43,144,000**	▲
	2006	1,617,000	152	$37,041,000	
Indoor Plants, Flowering	**2007**	**534,000**	**2**	**$4,425,000**	▲
	2006	552,000	2	$3,947,000	
Indoor Plants, Foliage	**2007**	**408,000**	**7**	**$4,284,000**	▼
	2006	435,000	57	$6,302,000	
Ground Covers	**2007**	**167,000**	**26**	**$2,877,000**	▲
	2006	289,000	42	$2,539,000	
Miscellaneous *	**2007**	**203,000**	**967**	**$14,169,000**	▼
	2006	279,000	1,736	$22,903,000	
* Includes perennials, vegetable plants, bonsai plants, orchids, sod, palm trees, and cacti.					
TOTAL	**2007**	**6,326,000**	**2,608**	**$173,580,000**	▼
	2006	7,344,000	3,496	$191,879,000	

Cut Flowers & Decoratives

Item	Year	Green House Square Feet	Field Acres	Total Value	
Miscellaneous *	**2007**	**384,000**	**70**	**$734,000**	▲
	2006	249,000	70	$581,000	
* Includes lilacs, pompoms, freesias, fruit blossoms, mums, snapdragons, yarrow, delphiniums, Christmas trees, and other miscellaneous.					

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Strawberries	**2007**	**112**	**10.2**	**1,139**	**Ton**	**$2,641**	**$3,008,000**	▼
	2006	106	17.3	1,830		$2,711	$4,961,000	
Avocados	**2007**	**53**	**1.2**	**64**	**Ton**	**$1,450**	**$93,000**	▲
	2006	60	1.7	100		$658	$66,000	
Cherries	**2007**	**155**	**0.2**	**28**	**Ton**	**$3,986**	**$112,000**	▼
	2006	155	0.9	138		$4,500	$621,000	
Apples	**2007**	**130**	**3.0**	**390**	**Ton**	**$1,500**	**$585,000**	▼
	2006	145	5.0	725		$1,500	$1,087,000	
Grapes	**2007**	**329**	**3.9**	**1,273**	**Ton**	**$3,249**	**$4,136,000**	▲
	2006	341	3.4	1,149		$1,224	$1,407,000	
Orchard Fruit	**2007**	**1,080**	Includes nectarines, peaches, pears, plums, oranges, tangerines, apricots, lemons, and grapefruits.				**$16,475,000**	▼
	2006	1,088					$18,474,000	
Miscellaneous	**2007**	**47**	Includes figs, pistachios, raspberries, other miscellaneous fruit, and nut crops.				**$60,000**	▲
	2006	28					$58,000	
TOTAL	**2007**	**1,906**					**$24,469,000**	▼
	2005	1,923					$26,674,000	

Fruit & Nut Crops

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Root Vegetables	**2007**	**5,703**	Includes dry onions, carrots, potatoes, radishes, beets, turnips, and other root vegetables.				**$27,707,000**	▼
	2006	5,629					$29,446,000	
Herbs	**2007**	**26**	Includes cilantro, parsley, chives, mint, thyme, and other herb vegetables.				**$486,000**	▼
	2006	40					$1,143,000	
Table Greens	**2007**	**25**	Includes spinach, kale, oriental specialties, and lettuce.				**$963,000**	▲
	2006	19					$221,000	
Vine Crops	**2007**	**147**	Includes cucumbers, green beans, melons, pumpkins, squash, tomatoes, watermelons, and zucchini.				**$2,359,000**	▲
	2006	103					$1,392,000	
Miscellaneous	**2007**	**680**	Includes bell peppers, cacti, celery, chard, sweet corn, green onions, Mexican onions, and other miscellaneous.				**$2,008,000**	▲
	2005	168					$944,000	
TOTAL	**2007**	**6,581**					**$33,523,000**	▲
	2006	5,959					$33,146,000	

Vegetable Crops

Field Crops

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Alfalfa Hay	**2007**	**5,804**	**8.6**	**49,735**	**Ton**	**$187**	**$9,286,000**	▲
	2006	5,455	8.5	46,355		$180	$8,350,000	
Grain Hay	**2007**	**3,002**	**3.8**	**11,406**	**Ton**	**$155**	**$1,768,000**	▲
	2006	3,500	3.2	11,200		$140	$1,570,000	
Rangeland	**2007**	**42,200**					**$480,000**	▼
	2006	45,000					$585,000	
Miscellaneous	**2007**	**1,395 ***					**** $793,000**	▲
	2006	1,680 *					** $671,000	
TOTAL	**2007**	**10,201 *****					**$12,327,000**	▲
	2006	10,635 ***					$11,176,000	

* Acreage excludes stubble.
** Value includes irrigated pasture, sudan hay, oat hay, and grazing privileges on stubble.
*** Excluding rangeland and stubble.

Dairy & Livestock

Item	Year		Total Value	
	2007	Includes dairy cattle, beef cattle, hogs, goats, chickens, milk, goat milk, eggs, etc.	**$8,513,000**	▲
	2006		$6,228,000	

APIARY

Item	Year	Production	Unit	Value Per Unit	Total Value
Honey	**2007**	**65,070**	**Lb.**	**$2.05**	**$134,000** ▼
	2006	849,923		$1.12	$941,000
Beeswax	**2007**	**115**	**Lb.**	**$1.50**	**$1,000** ▼
	2006	16,271		$3.44	$56,000
Miscellaneous	**2007**				**$72,000** ▼
	2006				$214,000
TOTAL	**2007**				**$207,000** ▼
	2006				$1,211,000

16 Urban Insect Series

Honey Bee

Apis mellifera


actual size


Honey bees are social and live in colonies of up to 100,000 bees.

The familiar honey bee provides honey, beeswax, and pollination that produces fruits, vegetables and seeds. The honey bee's contribution to food production in the U.S. is worth almost $15 billion annually. We've lost many bee colonies nationwide to the mysterious Colony Collapse Disorder.

CATEGORY
INTRODUCED BENEFICIAL INSECT

Photos by Jim Wiseman

Compliments of the Los Angeles County Department of Agricultural Commissioner/Weights and Measures
Kurt E. Floren, Commissioner/Director
http://acwm.co.la.ca.us
626.575.5471

Item	Year		Total Value
Firewood *	**2007**		**$15,000** ▼
	2006		$20,000

* Figures obtained from USDA Forest Services, Angeles National Forest.

FOREST PRODUCTS

Sustainable Agriculture Reporting

ORGANIC FARMING STATISTICS		
	ESTIMATED ACRES	
CROPS	2007	2006
Apples	0.05	1
Apricots	8	8
Avocados	18	5
Cantaloupes	0	0
Cactus Pears	3	3
Cherimoyas	1	1
Cherries	1	1
Citrus	25	24
Grapes	28	27
Herbs (including sprouts)	3	3
Peaches	13	13
Pears	0.02	0
Persimmons	1	1
Pomegranates	1	1
Miscellaneous	1	1
Vegetables	33	22
TOTAL	**136.07**	**111**

YEAR	FARMS	ACRES
2007	18	136.07
2006	16	111

Pest Detection Activities

PEST	NUMBER OF TRAPS	SPECIMENS TRAPPED
Mexican Fruit Fly	**4,987**	**1**
Mediterranean Fruit Fly	**5,029**	**20**
Melon Fly	**5,020**	**0**
Oriental Fruit Fly	**5,020**	**16**
Guava Fruit Fly (traps shared with Oriental Fruit Fly)		**3**
Gypsy Moth	**3,780**	**1**
Asian Gypsy Moth (traps shared with Gypsy Moth)		**2**
Japanese Beetle	**3,093**	**5**
Khapra Beetle	**287**	**0**
European Pine Shoot Moth	**10**	**0**
European Corn Borer	**4**	**0**
Light Brown Apple Moth	**4,987**	**1**
TOTAL	**32,217**	**49**

Pest Eradication Activities

PEST	METHOD	SCOPE of PROGRAM
Mediterranean Fruit Fly	**Ground bait and increased Mediterranean Fruit Fly release**	**1 treatment area (continued from 2006)**
Mexican Fruit Fly	**Ground bait and sterile Mexican Fruit Fly release**	**1 treatment area**
Oriental Fruit Fly	**Male annihilation**	**3 treatment areas**
Guava Fruit Fly	**Male annihilation**	**1 treatment area**
Mediterranean Fruit Fly	**Continued preventative program: sterile Medfly release**	**Approximately 13.4 billion steriles released**
Red Imported Fire Ant	**Treatments completed Survey Work**	**960 properties 13,289 properties/9,468 acres**

Biological Control Activities

PEST	AGENT / MECHANISM	SCOPE of PROGRAM
Mediterranean Fruit Fly	**Sterile Release**	**13,451,128,063 sterile flies released**

Pest Exclusion Activities

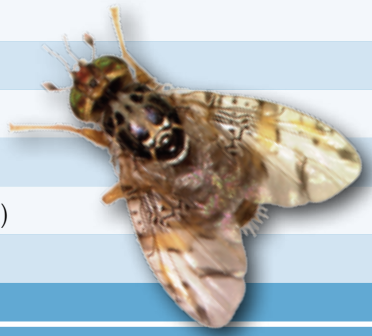
PEST EXCLUSION VIOLATION	# of VIOLATIONS ISSUED
Infested/Presumed Infested	457
Markings	16
Burrowing and Reniform Nematodes	1
Caribbean Fruit Fly	4
Cedar Apple Rust	1
Cherry Fruit Fly	0
Citrus Canker	2
Citrus Pests	7
Colorado Potato Beetle	0
Failure to Hold	22
Federal (Hawaiian) Quarantine	6
Imported Fire Ant	0
Japanese Beetle	1
Mishandling	0
Plum Curculio and Blueberry Maggot	0
Sweet Potato Weevil	0
Gypsy Moth	1
Walnut and Pecan Pests	1
Chestnut Bark disease & Oak Wilt Disease	1
TOTAL	520

Diaprepes Root Weevil Life Cycle

PEST INTERCEPTED *Genus species* (Common Name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Abgrallaspis / Diaspidiotus spp. complex (Armored scale)	Avocado	Quar	27
Acutaspis albopicta (Albopicta scale)	Cut foliage/Avocado	Quar	3
Agallia sp. (Leafhopper)	Cut foliage	Quar	7
Aleuroclava jasmini (Jasmine whitefly)	Cut foliage	Quar	1
Aleurodicus dispersus (Spiraling whitefly)	Cut foliage	Quar	33
Aleurotrachelus sp. (Whitefly)	Cut foliage/Palm	Quar/Nurs	16
Anoplolepis gracilipes (Long-legged ant)	Cut foliage	Quar	2
Aonidiella orientalis (Oriental scale)	Cycad	Quar	1
Aspidiotus destructor (Coconut scale)	Cut foliage	Quar	24
Aspidiotus excisus (Aglaonema scale)	Ti leaves	Quar	1
Atractomorpha sinensis (Slant-faced grasshopper)	Basil	Quar	6
Aulacaspis yasumatsui (Cycad aulacapsis scale)	Cycad	Quar	13
Bradybaena similaris (Snail)	Cut foliage	Quar	32
Cacopsylla sp. (Psyllid)	Pittosporum	Nurs	2
Camponotus sp. (Carpenter ant)	Fern leaves	Quar	1
Ceroplastes rusci (Fig wax scale)	Palm	Quar	3

Pest Exclusion Activities

PEST INTERCEPTED *Genus species* (Common name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Chrysodeixis eriosoma (Green garden looper)	Cut foliage	Quar	20
Chrysophtharta m-fuscum (Eucalypus leaf beetle)	Nursery plans	Nurs	1
Coccus acutissimus (Slender soft scale)	Cut foliage	Quar	1
Coccus sp. (Soft scale)	Cut foliage	Quar	6
Conocephalus saltator (Katydid)	Cut foliage	Quar	2
Cylas formicarius (Sweet potto weevil)	Ginger	Quar	1
Darna pallivitta (Limacodid morth)	Dracaena	Quar	1
Dialeurodes sp. (Whitefly)	Shefflera	Quar	1
Diaphania nitidalis (Pickleworm)	Cucumber	Quar	12
Diploptera punctata (Pacific beetle cockroach)	Cut foliage	Quar	4
Disclisioprocta stellata (Bougainvillea looper)	Bougainvillea	Public	2
Empoasca sp. (Leafhopper)	Cut foliage	Quar	3
Exillis sp. (Fungus weevil)	Malongai	Quar	1
Ferrisia virgata (Striped mealybug)	Betel leaves	Quar	2
Geotomus pygmaeus (Burrowing bug)	Curry leaves	Quar	1
Graptostethus manillensis (Lygaeid bug)	Cut foliage	Quar	2
Gyponana germari (Leafhopper)	Cut foliage	Quar	40
Halyomorpha halys (Brown mamorted stink bug)	Ornamental plants	Public	1
Homalodisca vitripennis (Glassy-winged sharpshooter - adults)	Nursery plants	Nurs	563
Homalodisca vitripennis (Glassy-winged sharpshooter - eggs)	Nursery plants	Nurs	489
Ishnapsis longirostris (Black thread scale)	Cut foliage	Quar	2
Kallitaxila granulata (Planthopper)	Cut foliage	Quar	67
Lepidosaphes rubrovittata (Armored scale)	Palm leaves	Quar	3
Lepidosaphes stepta (Armored scale)	Palm leaves	Quar	1
Meghimatium striatum (Slug)	Draceana	Quar	1
Melormenis sp. (Planthopper)	Curry leaves	Quar	2
Milviscutulus mangiferae (Mango shield scale)	Cut foliage	Quar	2
Nipaecoccus sp. (Coconut mealybug)	Palm	Quar/Nurs	3
Nysius sp. (Lygaeid bug)	Cut foliage	Quar	27
Oceanides sp. (Lygaeid bug)	Herbs	Quar	1
Ochetellus glaber (Ant)	Cut foliage	Quar	4
Oliarus sp. (Cixiid planthopper)	Cut foliage	Quar	1
Oncometopia sp. (Leafhopper)	Dracaena	Quar	1
Orchidophilus sp. (Weevil)	Cut foliage	Quar	2
Palmicultor lumpurensis (Mealybug)	Bamboo	Nurs	1
Paraleyrodes sp. (Whitefly)	Betel leaves	Quar	1



Pest Exclusion Activities

PEST INTERCEPTED *Genus species* (Common name)	MATERIAL	SOURCE*	INTERCEPTIONS
Entomology Laboratory			
Phaneroptera furcifera (Katydid)	**Cut foliage**	**Quar**	**4**
Pheidole megacephala (Big headed ant)	**Cut foliage**	**Quar**	**15**
Physomerus grossipes (Leaf-footed bug)	**Betel leaves**	**Quar**	**1**
Pinnaspis buxi (Boxwood scale)	**Cut foliage/Palm**	**Quar/Nurs**	**95**
Pinnaspis strachani (Lesser snow scale)	**Cut foliage**	**Quar**	**10**
Plautia stali (Oriental stink bug)	**Basil**	**Quar**	**3**
Prociphilus sp. (Aphid)	**Elaeagnus**	**Nurs**	**1**
Protopulvinaria pyriformis (Pyriform scale)	**Nursery plants**	**Nurs**	**9**
Pseudaonidia trilobitiformis (Trilobe scale)	**Curry leaves**	**Quar**	**2**
Pseudaulacaspis cockerelli (Magnolia white scale)	**Cut foliage/Palm**	**Quar/Nurs**	**2**
Pseudococcus cryptus (Mealybug)	**Betel leaves**	**Quar**	**1**
Pseudococcus jackbeardsleyi (Mealybug)	**Basil**	**Quar**	**2**
Pseudococcus landloi (Mealybug)	**Lalot leaves**	**Quar**	**1**
Pseudococcus odermatti (Mealybug)	**Cut leaves**	**Quar**	**1**
Pseudococcus sp. (Mealybug)	**Cut leaves**	**Quar**	**4**
Pseudoparlatoria parlatorioides (False parlatoria scale)	**Cut foliage**	**Quar**	**3**
Pulvinaria psidii (Green shield scale)	**Nursery plants**	**Nurs**	**3**
Pulvinairia urbicola (Urban soft scale)	**Betel leaves**	**Quar**	**3**
Rhizoecus hibisci (Soil mealybug)	**Palm**	**Quar**	**1**
Scapteriscus borellii (Southern mole cricket)	**Turf**	**Public**	**3**
Selenaspidus articulatus (Rufous scale)	**Cut foliage**	**Quar**	**3**
Sinoxylon sp. (Powderpost beetle)	**Cut foliage**	**Quar**	**1**
Solenopsis geminata (Tropical fire ant)	**Cut foliage**	**Quar**	**8**
Sybra alternans (Long horned beetle)	**Cut foliage**	**Quar**	**8**
Tarophagus colocasiae (Taro planthopper)	**Cut foliage**	**Quar**	**2**
Technomyrmex albipes (White footed ant)	**Cut foliage**	**Quar**	**78**
Trigonidium sp. (Cricket)	**Betel leaf**	**Quar**	**1**
Trigonidomorpha sjostedti (Cricket)	**Ginger root**	**Quar**	**2**
Velataspis sp. (Armored scale)	**Palm leaves**	**Quar**	**1**
Veronicella sp. (Slug)	**Cut foliage**	**Quar**	**4**
Vinsonia stelliferra (Stellate scale)	**Cut foliage**	**Quar**	**7**
Xylosandrus sp. (Bark beetle)	**Cut foliage**	**Quar**	**1**

TOTAL	**1,734**

*SOURCE: Nurs: Nursery Pub: Public Quar: Quarantine

Pest Exclusion Activities

Plant Pathology Laboratory			
Alternanthera Philoxeroides (Alligator weed)	**River**	**Pub/Quar**	**2**

TOTAL	**2**

To request a complete set of trading cards, please call Cindy Werner at 626-459-8866

ACKNOWLEDGEMENTS

We sincerely thank Maynard Johnson with El Monte Printing, Inc. for the design layout of this year's crop report. A special word of thanks to all who assisted in creating this edition of the crop report: Public Information Officer Kenneth Pellman who edited the report; Cover photographs: Inspector Cynthia Werner and the Los Angeles County Farm Bureau for crop photographs; Dr. Gevork Arakelian, Dr. Jerry Turney, and Jim Wiseman for the insect and plant photographs; Inspectors Erineo Ada, Christine Belden, Liza Chang, Ibrahim Abdel-Fatah, Margot Lowe, Gary Mork, Adrian Zavala, Deputy Agricultural Commissioner/Sealer Jim Wiseman, the Entomology Laboratory Staff, Dr. Gevork Arakelian and Sonya Carlos, and Plant Pathologist Dr. Jerry Turney who assisted in gathering and compiling the statistics; and Administrative Assistant Karen Wong, who generated the completed statistical report. Particular thanks to Richard G. Sokulsky, Deputy Agricultural Commissioner/Sealer, for supervising the completion of this year's report.

For a copy of this report, visit our website at: http://acwm.lacounty.gov

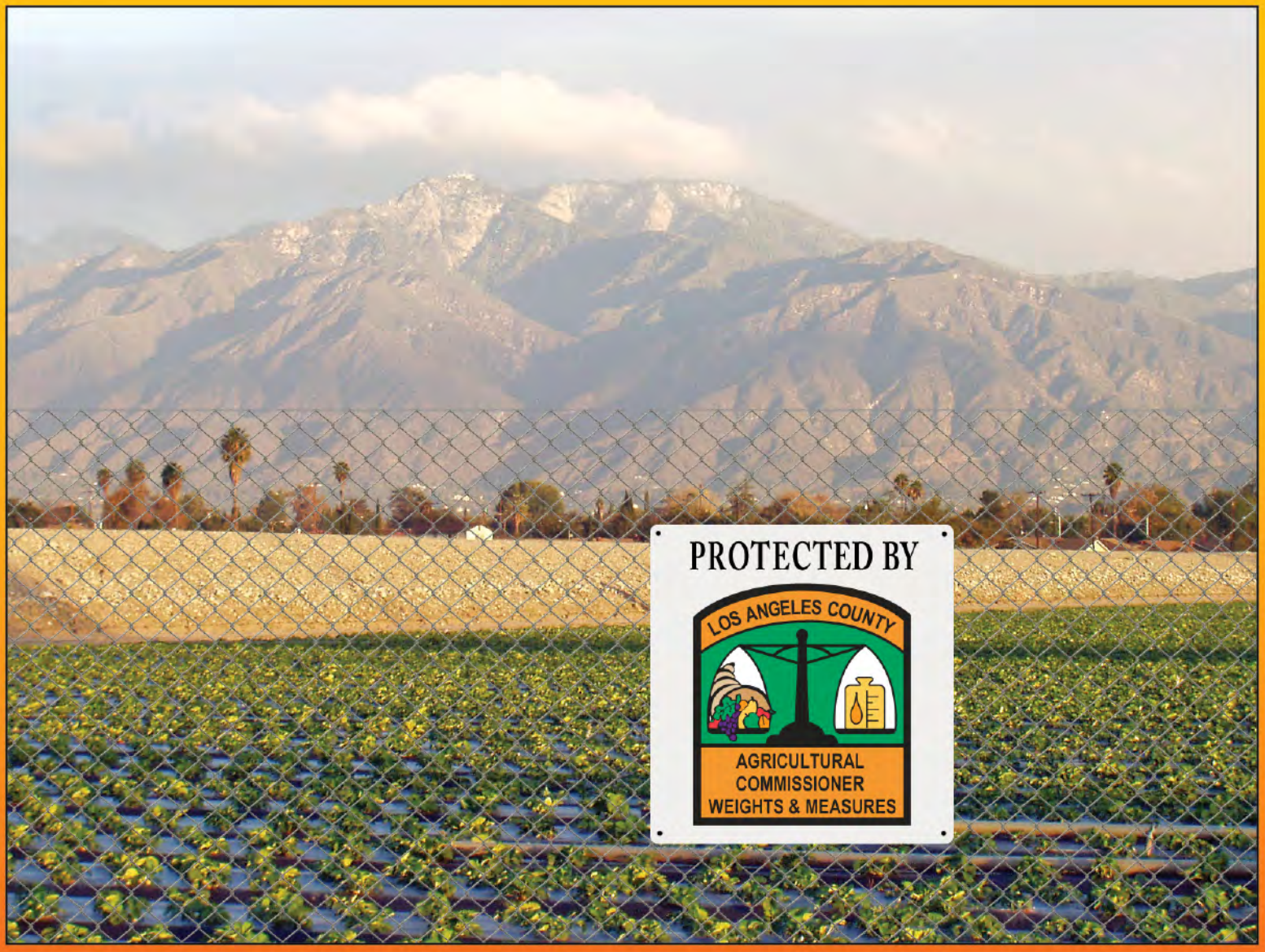
Icicles are created during sprinkler irrigation to insulate the plant tissues from further frost damage.
(Frost photographs courtesy of The Huntington Library, Art Collections, and Botanical Gardens)

Department of
Agricultural Commissioner/
Weights and Measures
County of Los Angeles

12300 Lower Azusa Road
Arcadia, California 91006

2008
Los Angeles County Crop and Livestock Report

Pest Exclusion & Pest Detection: Protecting Agriculture From Destructive Exotic Pests



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DON'T BUG ME

Don't bring uninspected fruit into California...please.

Los Angeles County is home to over 10 million people, many of whom have roots in other countries near and far. Of course, our county also hosts millions of tourists annually. "Tourism Season" can increase exotic pest introductions, but our inviting climate makes it "Pest Season" year round. Our pest data is a reflection of these realities.

Kurt E. Floren
Agricultural Commissioner
Director of Weights and Measures

COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

12300 Lower Azusa Road
Arcadia, CA 91006-5872
http://acwm.lacounty.gov

Richard K. Iizuka
Chief Deputy

A.G. Kawamura
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Los Angeles

Michael D. Antonovich - Mayor
Gloria Molina - First District
Mark Ridley-Thomas - Second District
Zev Yaroslavsky - Third District
Don Knabe - Fourth District

2008 CROP AND LIVESTOCK REPORT

The total gross value of agricultural crops and commodities produced in Los Angeles County during 2008 was $226,191,000. This value reflects a 10.7% decrease from last year's total of $253,368,000. Although this is the fourth consecutive year that overall production values have decreased in Los Angeles County, we have had two consecutive years of impressive growth in several agricultural commodity groups. Field crops (grain and alfalfa hay) were up by 31.3% and 11.5%, respectively, due to significant price increases. Root vegetable crops were up by 48.7% due to increased production and stronger prices. A significant increase in the production and market value of honey resulted in a production value increase of 510%

While overall production value of fruit and nut crops dropped by 16.5%, avocado and cherry yields and values rebounded from the effects of the freeze that occurred in January 2007. Avocado production values increased by 185% and cherry production values increased by an impressive 600%.

Nursery products remain the number one crop in Los Angeles County by a wide margin. This year, again, our growers and those throughout California have faced some of the most challenging circumstances confronting them in years. The tremendous downturn in the economy, pressures from increased importation of agricultural products, and pest threats add to the many challenges, but our hardworking agricultural community continues to feed, clothe, and enhance the quality of life for millions.

I wish to express my sincere appreciation to each of the producers and individuals who provided information for this report. My thanks are extended to the skilled and dedicated people of this department who continue to do an excellent job in serving and protecting the agricultural community and in compiling these important statistics.

Respectfully submitted,

Kurt E. Floren

Pest Exclusion Inspector:
Gil Saura

Pest Exclusion Inspector Aids:
Lilibeth Cardano, Maxim Yu,
Thomas Lew, Carmen Santilla,
Renerey Reyes

Thanks to
Max Regis, Inspector

Introduction: Gateway to the World


Linda Khuu
Pest Exclusion Inspector

Some legends of the past depicted California as an island. California is, of course, part of a continuous continent, not an island. But, like Ellis Island, once the gateway that welcomed human beings from around the world seeking a bountiful new life in the United States, Los Angeles County is a place where so many exotic pests attempt to find their gateway to a bountiful feast, ravaging our agriculture. Since the state is, indeed, not an island, whatever comes here can potentially spread to the rest of California, our nation, and the entire continent through many varying modes of transportation and migration.

It is not surprising that our Pest Exclusion and Pest Detection inspectors regularly find and intercept these pests. Through the busiest port complex in the nation and Los Angeles International Airport, a steady flow of international and Hawaiian shipments enters California through Los Angeles County, traversing the area on railroad tracks and in trucks. Our population is approaching ten and a half millions residents, many of whom travel back and forth to other states and countries. Our residents have friends and family around the world, some of whom may be inclined to send "a taste of home" in the form of fruits and vegetables from foreign lands. Each day, hundreds of thousands of people from neighboring counties stream into Los Angeles to work, some bringing host material to enjoy at lunch while others take produce purchased here home in the evening.

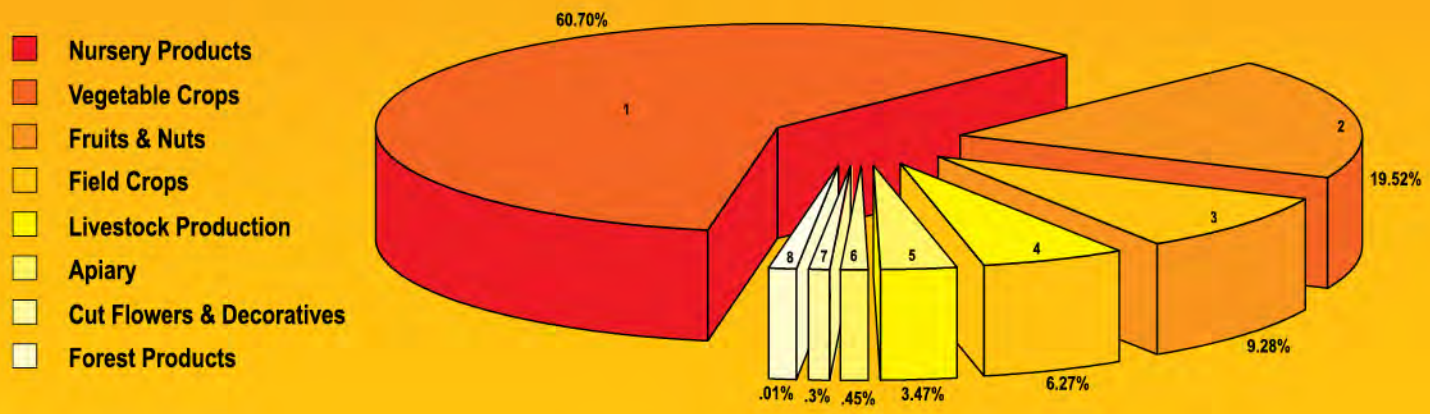
It is only through the diligence, dedication, and cooperation of many different agencies that Los Angeles County has not become a superhighway for various exotic pests that could permanently establish themselves in California. The men and women of our Pest Exclusion and Pest Detection programs are a significant part of that team. The Pest Exclusion tradition goes back to the 1870s, when *Phylloxera vastatrix* presented a tremendous threat to grapes and local agriculture professionals decided to do something about it. Decades later, in September 1946, Agricultural Commissioner Harold J. Ryan called for what became our Pest Detection program to augment pest exclusion efforts.


Rob Smice
Pest Exclusion Inspector


Emmanuel Ofiabulu
Pest Exclusion Inspector

Million Dollar Commodities

1.	Ornamental Trees and Shrubs	$81,142,000	8.	Indoor Plants, Foliage	$2,910,000
2.	Root Vegetables	$41,221,000	9.	Grapes	$2,768,000
3.	Bedding Plants	$31,970,000	10.	Grain Hay	$2,322,000
4.	Orchard Fruit	$14,233,000	11.	Strawberries	$2,074,000
5.	Alfalfa Hay	$10,359,000	12.	Ground Covers	$1,927,000
6.	Dairy & Livestock	$7,839,000	13.	Vine Crops	$1,268,000
7.	Indoor Plants, Flowering	$3,311,000	14.	Apiary	$1,021,000



SUMMARY

Commodity	2007	2008
Nursery Products	$173,580,000	$137,308,000
Cut Flowers & Decoratives	$734,000	$671,000
Fruits and Nuts	$24,469,000	$20,996,000
Vegetable Crops	$33,523,000	$44,155,000
Field Crops	$12,327,000	$14,185,000
Livestock Production	$8,513,000	$7,839,000
Apiary	$207,000	$1,021,000
Forest Products	$15,000	$16,000
TOTAL	$253,368,000	$226,191,000

Nursery Products

Item	Year	Green House Square Feet	Field Acres	Total Value	
Ornamental Trees	2008	3,614,000	1,577	$81,142,000	▼
	2007	3,378,000	1,447	$104,681,000	
Bedding Plants	2008	1,359,000	138	$31,970,000	▼
	2007	1,636,000	159	$43,144,000	
Indoor Plants, Flowering	2008	501,000	0	$3,311,000	▼
	2007	534,000	2	$4,425,000	
Indoor Plants, Foliage	2008	340,000	8	$2,910,000	▼
	2007	408,000	7	$4,284,000	
Ground Covers	2008	156,000	26	$1,927,000	▼
	2007	167,000	26	$2,877,000	
Miscellaneous *	2008	182,000	764	$16,048,000	▲
	2007	203,000	967	$14,169,000	
* Includes perennials, vegetable plants, bonsai plants, orchids, sod, palm trees, and cacti.					
TOTAL	2008	6,152,000	2,513	$137,308,000	▼
	2007	6,326,000	2,608	$173,580,000	

Cut Flowers & Decoratives

Item	Year	Green House Square Feet	Field Acres	Total Value	
Miscellaneous *	2008	35,000	77	$671,000	▼
	2007	384,000	70	$734,000	
* Includes lilacs, pompoms, freesias, fruit blossoms, mums, snapdragons, yarrow, delphiniums, Christmas trees, and other miscellaneous.					

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Strawberries	**2008**	**107**	**8.3**	**890**	**Ton**	**$2,330**	**$2,074,000**	▼
	2007	112	10.2	1,139		$2,641	$3,008,000	
Avocados	**2008**	**81**	**3**	**243**	**Ton**	**$1,100**	**$267,000**	▲
	2007	53	1.2	64		$1,450	$93,000	
Cherries	**2008**	**150**	**1.3**	**195**	**Ton**	**$4,000**	**$784,000**	▲
	2007	155	0.2	28		$3,986	$112,000	
Apples	**2008**	**131**	**3.0**	**392**	**Ton**	**$1,298**	**$509,000**	▼
	2007	130	3.0	390		$1,500	$585,000	
Grapes	**2008**	**400**	**3.1**	**1,250**	**Ton**	**$2,214**	**$2,768,000**	▼
	2007	329	3.9	1,273		$3,249	$4,136,000	
Orchard Fruit	**2008**	**1,075**	Includes nectarines, peaches, pears, plums, oranges, tangerines, apricots, lemons, and grapefruits.				**$14,233,000**	▼
	2007	1,080					$16,475,000	
Miscellaneous	**2008**	**82**	Includes figs, pistachios, raspberries, other miscellaneous fruit, and nut crops.				**$361,000**	▲
	2007	47					$60,000	
TOTAL	**2008**	**2,026**	FRUIT & NUT CROPS				**$20,996,000**	▼
	2007	1,906					$24,469,000	

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Root Vegetables	**2008**	**6,827**	Includes dry onions, carrots, potatoes, radishes, beets, turnips, and other root vegetables.				**$41,221,000**	▲
	2007	5,703					$27,707,000	
Herbs	**2008**	**19**	Includes cilantro, parsley, chives, mint, thyme, and other herb vegetables.				**$501,000**	▲
	2007	26					$486,000	
Table Greens	**2008**	**9**	Includes spinach, kale, oriental specialties, and lettuce.				**$122,000**	▼
	2007	25					$963,000	
Vine Crops	**2008**	**111**	Includes cucumbers, green beans, melons, pumpkins, squash, tomatoes, watermelons, and zucchini.				**$1,268,000**	▼
	2007	147					$2,359,000	
Miscellaneous	**2008**	**205**	Includes bell peppers, cacti, celery, chard, sweet corn, green onions, Mexican onions, and other miscellaneous.				**$1,043,000**	▼
	2007	680					$2,008,000	
TOTAL	**2008**	**7,216**	VEGETABLE CROPS				**$44,155,000**	▲
	2007	6,581					$33,523,000	

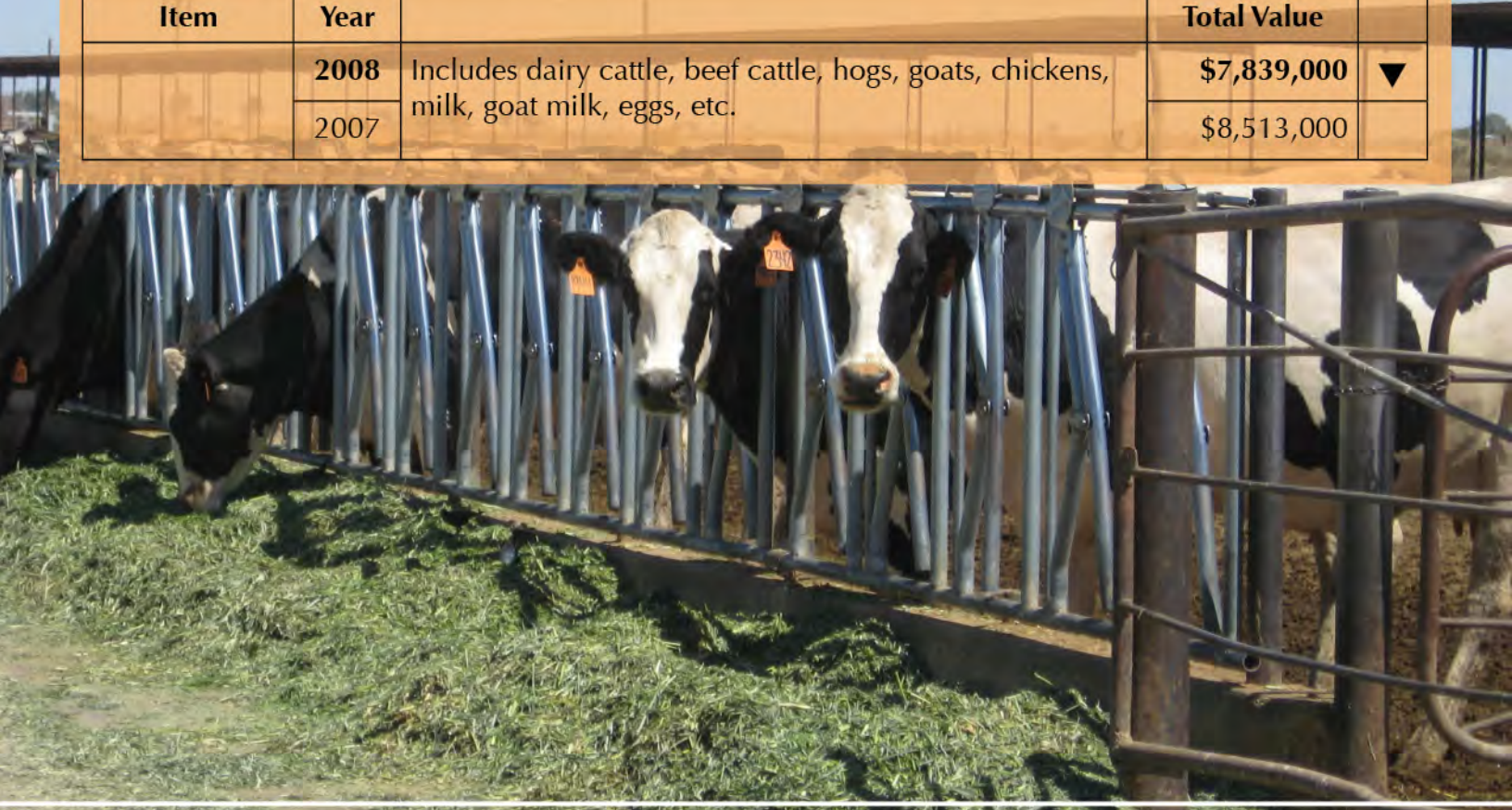
Field Crops

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Alfalfa Hay	**2008**	**5,698**	**8.5**	**48,353**	**Ton**	**$214**	**$10,359,000**	▲
	2007	5,804	8.6	49,735		$187	$9,286,000	
Grain Hay	**2008**	**3,504**	**3.5**	**12,246**	**Ton**	**$190**	**$2,322,000**	▲
	2007	3,002	3.8	11,406		$155	$1,768,000	
Rangeland	**2008**	**46,200**					**$735,000**	▲
	2007	42,200					$480,000	
Miscellaneous	**2008**	**1,385 ***					**** $769,000**	▼
	2007	1,395 *					** $793,000	
TOTAL	**2008**	**10,587 *****					**$14,185,000**	▲
	2007	10,201 ***					$12,327,000	

* Acreage excludes stubble.
** Value includes irrigated pasture, sudan hay, oat hay, and grazing privileges on stubble.
*** Excluding rangeland and stubble.

Dairy & Livestock

Item	Year		Total Value	
	2008	Includes dairy cattle, beef cattle, hogs, goats, chickens, milk, goat milk, eggs, etc.	**$7,839,000**	▼
	2007		$8,513,000	



Item	Year		Total Value
Firewood *	**2008**		**$16,000** ▲
	2007		$15,000

* Figures obtained from USDA Forest Services, Angeles National Forest.

Forest Products

Apiary

Item	Year	Production	Unit	Value Per Unit	Total Value
Honey	**2008**	**217,110**	Lb.	**$3.77**	**$819,000** ▲
	2007	65,070		$2.07	$134,000
Beeswax	**2008**	**192**	Lb.	**$3.65**	**$1,000** ▲
	2007	115		$1.50	$1,000
Miscellaneous	**2008**				**$201,000** ▲
	2007				$72,000
TOTAL	**2008**				**$1,021,000** ▲
	2007				$207,000

ORGANIC FARMING STATISTICS

CROPS	ESTIMATED ACRES 2008	2007
Apples	0.51	0.05
Apricots	8	8
Avocados	18	18
Cantaloupes	0	0
Cactus Pears	3	3
Cherimoyas	1	1
Cherries	0.25	1
Citrus	24	25
Grapes	28	28
Herbs (including sprouts)	3	3
Peaches	13.64	13
Pears	0	0.02
Persimmons	1	1
Pomegranates	1	1
Miscellaneous	1	1
Vegetables	28.6	33
TOTAL	**131**	**136.07**

Sustainable Agriculture Reporting

YEAR	FARMS	ACRES
2008	17	131
2007	18	136.07

ENTOMOLOGY LAB

We can never be sure what we will find in a box sent by an alert resident to our Entomology Laboratory.

In November 2008, our Lab received an envelope in the mail containing a single Blue gum eucalyptus branch and a note from a concerned homeowner. The examination revealed branches with multiple galls containing live larvae of Eulophidae wasps. As this was a new pest not previously observed in the US, we immediately visited the property to collect an 'official' sample.

The infested Blue gum eucalyptus tree was in very poor condition with heavy, hanging branches and twigs covered with galls, some cracked and entirely dry. A sampling of galls with larvae were sent to Australia while we stored some cut branches in sealed plastic bags to rear adults in our lab. After rearing approximately 130 gall wasp adults, several were subsequently sent to Australia for examination.

As it turns out, the specimens represent a new find in scientific records. Eucalyptus gall wasps are host-specific and, as these were found infesting Blue gum, which originated in southeastern Australia, the wasp is certainly Australian in origin. But, like so many aspiring showbiz performers, it was not discovered until it made it to Los Angeles! Another infestation was found in the Los Angeles County Arboretum and Botanical Gardens, which, coincidently, is a frequent filming location for major motion pictures and television shows. So, maybe the wasp does have showbiz aspirations? (photos page 12)

If you want to find aspiring actors, grab a table in a Hollywood restaurant. If you want to see vertebrates that have been confiscated at Los Angeles International Airport, you can find some of them at the Los Angeles Zoo and Botanical Gardens. However, if you want to see exotic insects, they end up in our Entomology Lab. It is packed with an extensive collection of insects, some provided by residents and many by our own inspectors. Protected from destructive climate elements, this collection features over 80,000 invertebrate specimens, including about 45,000 pinned specimens, 30,000 preserved in alcohol vials, and 8,000 mounted on microscope slides. Stereo and compound microscopes with high resolution digital cameras and image processing software are invaluable in documenting every detail of our specimens. Our archived pest image database has more than 4,000 photos and will continue to grow.

The Entomology Laboratory of the Los Angeles County Department of Agricultural Commissioner/Weights and Measures provides rapid and accurate identifications to support the department's Pest Detection and Pest Exclusion programs while also offering identification and information services to county residents, schools, pest control operators, governmental agencies, growers, and nurseries.

Dr. Gevork Arakelian
Entomologist

Pest Detection Activities

PEST	NUMBER OF TRAPS	SPECIMENS TRAPPED
Mexican Fruit Fly	5,004	5
Mediterranean Fruit Fly	5,030	1
Melon Fly	5,006	0
Oriental Fruit Fly	5,006	27
Guava Fruit Fly (traps shared with Oriental Fruit Fly)		3
Gypsy Moth	3,780	1
Asian Gypsy Moth (traps shared with Gypsy Moth)		0
Japanese Beetle	3,100	7
Khapra Beetle	299	0
European Pine Shoot Moth	10	0
European Corn Borer	4	0
Light Brown Apple Moth	5,004	0
TOTAL	32,243	44

Pest Eradication Activities

PEST	METHOD	SCOPE of PROGRAM
Mediterranean Fruit Fly	Ground bait and increased Mediterranean Fruit Fly release	1 treatment area (continued from 2007)
Mexican Fruit Fly	Ground bait and sterile Mexican Fruit Fly release	1 treatment area
Oriental Fruit Fly	Male Attractant Technique	2 treatment areas
Mediterranean Fruit Fly	Continued preventative program: sterile Medfly release	Approximately 12.1 billion steriles released
Red Imported Fire Ant	Treatments completed Survey Work	860 properties 9,186 properties/3,602 acres

Biological Control Activities

PEST	AGENT / MECHANISM	SCOPE of PROGRAM
Mediterranean Fruit Fly	Sterile Release	12,108,334,896 sterile flies released
Mexican Fruit Fly	Sterile Release	23,840,250 sterile flies released

Pest Exclusion Activities

PEST EXCLUSION VIOLATION	# of VIOLATIONS ISSUED
Infested/Presumed Infested	402
Markings	22
Burrowing and Reniform Nematodes	11
Caribbean Fruit Fly	6
Light Brown Apple Moth	7
No Proof of Ownership	5
Citrus Canker	3
Citrus Pests	6
Federal Corn/European Corn Borer	2
Failure to Hold	9
Federal (Hawaiian) Quarantine	4
Federal Rice (Seed or Paddy) Hulls and Straw	2
Japanese Beetle	5
Mishandling	0
Plum Curculio and Blueberry Maggot	1
West Indian Sugar Cane Root Borer	2
Nut Tree Pest	3
Cedar Apple Rust	1
Chestnut Bark disease & Oak Wilt Disease	3
TOTAL	**494**

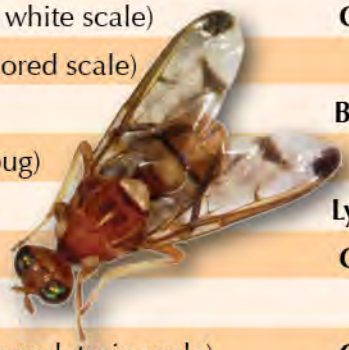
PEST INTERCEPTED *Genus species* (Common Name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Abgrallaspis / Diaspidiotus spp. complex (Armored scale)	Avocado	Quar	27
Acutaspis albopicta (Albopicta scale)	Cut foliage/Avocado	Quar	3
Agallia sp. (Leafhopper)	Cut foliage	Quar	7
Aleuroclava jasmini (Jasmine whitefly)	Cut foliage	Quar	1
Aleurodicus dispersus (Spiraling whitefly)	Cut foliage	Quar	33
Aleurotrachelus sp. (Whitefly)	Cut foliage/Palm	Quar/Nurs	16
Anoplolepis gracilipes (Long-legged ant)	Cut foliage	Quar	2
Aonidiella orientalis (Oriental scale)	Cycad	Quar	1
Aspidiotus destructor (Coconut scale)	Cut foliage	Quar	24
Aspidiotus excisus (Aglaonema scale)	Ti leaves	Quar	1
Atractomorpha sinensis (Slant-faced grasshopper)	Basil	Quar	6
Aulacaspis yasumatsui (Cycad aulacapsis scale)	Cycad	Quar	13
Bradybaena similaris (Snail)	Cut foliage	Quar	32
Cacopsylla sp. (Psyllid)	Pittosporum	Nurs	2
Camponotus sp. (Carpenter ant)	Fern leaves	Quar	1
Ceroplastes rusci (Fig wax scale)	Palm	Quar	3

Pest Exclusion Activities

PEST INTERCEPTED *Genus species* (Common name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Acutaspis albopicta (Albopicta scale)	Cut foliage	Quar	2
Adoretus sinicus (Chinese rose beetle)	Basil	Quar	1
Agallia sp. (Leafhopper)	Cut foliage	Quar	14
Aleurodicus dispersus (Spiraling whitefly)	Cut foliage	Quar	22
Aleurotrachelus sp. (Whitefly)	Cut foliage	Quar	3
Anoplolepis gracilipes (Long-legged ant)	Cut foliage	Quar	3
Aonidiella aurantii (California red scale)	Nursery Plants	Nurs	1
Aonidiella orientalis (Oriental scale)	Cycad	Quar	1
Araecerus coffeae (Coffee bean weevil)	Rambutan	Quar	2
Aspidiotus destructor (Coconut scale)	Cut foliage	Quar	8
Atractomorpha sinensis (Slant-faced grasshopper)	Basil	Quar	2
Aulacaspis yasumatsui (Cycad aulacaspis scale)	Cycad	Quar	6
Bagrada hilaris (Bagrada bug)	Turnip/Broccoli/Alyssum	Pub	9
Bradybaena similaris (Snail)	Cut foliage	Quar	21
Cacopsylla sp. (Pittosporum psyllid)	Pittosporum	Nurs	1
Ceroplastes rubens (Red wax scale)	Palm	Quar	3
Ceroplastes rusci (Fig wax scale)	Palm	Quar	10
Chrysodeixis eriosoma (Green garden looper)	Cut foliage	Quar	15
Clastoptera sp. (Spittlebug)	Basil	Quar	1
Coccus acutissimus (Slender soft scale)	Cut foliage	Quar	1
Coccus viridis (Green scale)	Cut foliage	Quar	1
Coccus sp. (Soft scale)	Cut foliage	Quar	1
Conocephalus saltator (Katydid)	Cut foliage	Quar	2
Coptosoma xanthogramma (Black stink bug)	Malongai	Quar	1
Cylas formicarius (Sweet potato weevil)	Ginger/Papaya	Quar	3
Darna pallivitta (Limacodid moth)	Dracaena	Quar	1
Dialeurodes schefflerae (Whitefly)	Shefflera	Quar	1
Diaphania nitidalis (Pickleworm)	Cucumber	Quar	3
Diaphorina citri (Asian citrus psyllid)	Curry/Basil	Quar	2
Diploptera punctata (Pacific beetle cockroach)	Cut foliage	Quar	1
Empoasca sp. (Leafhopper)	Cut foliage	Quar	5
Ferrisia virgata (Striped mealybug)	Betel leaves	Quar	2
Fiorinia japonica (Coniferous fiorinia scale)	Fir	Pub	2
Geotomus pygmaeus (Burrowing bug)	Curry leaves	Quar	1
Gyponana germari (Leafhopper)	Cut foliage	Quar	38

Pest Exclusion Activities

PEST INTERCEPTED *Genus species* (Common name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Halyomorpha halys (Brown mamorated stink bug)	Ornamental plants	Pub	3
Homalodisca vitripennis (Glassy-winged sharpshooter – adults)	Nursery plants	Nurs	3,777
Homalodisca vitripennis (Glassy-winged sharpshooter – eggs)	Nursery plants	Nurs	477
Hypoponera sp.(Ant)	Ginger roots	Quar	1
Ishnaspis longirostris (Black thread scale)	Cut foliage	Quar	2
Kallitaxila granulata (Planthopper)	Cut foliage	Quar	51
Meghimatium striatum (Slug)	Dracaena	Quar	1
Melormenis basalis (Planthopper)	Curry leaves	Quar	3
Neoxabea bipunctata (Two-spotted tree cricket)	Cut foliage	Quar	1
Nipaecoccus sp. (Coconut mealybug)	Palm	Quar/Nurs	6
Nysius sp. (Lygaeid bug)	Cut foliage	Quar	8
Ochetellus glaber (Ant)	Cut foliage	Quar	3
Oliarus sp. (Cixiid planthopper)	Cut foliage	Quar	1
Ophelimus sp. (Eucalyptus gall wasp)	Blue gum eucalyptus	Pub	2
Paracoccus marginatus (Mealybug)	Betel	Quar	2
Paraleyrodes sp. (Whitefly)	Mangosteen	Quar	1
Phaneroptera furcifera (Katydid)	Cut foliage	Quar	3
Pheidole megacephala (Big headed ant)	Cut foliage	Quar	38
Pinnaspis buxi (Boxwood scale)	Cut foliage	Quar	25
Pinnaspis strachani (Lesser snow scale)	Cut foliage	Quar	8
Pinnaspis uniloba (Unilobed scale)	Cut foliage	Quar	1
Planococcus sp. (Mealybug)	Cut foliage	Quar	2
Prolimacodes badia (Limacodid moth)	Cut foliage	Quar	1
Protalebrella brasiliensis (Leafhopper)	Basil	Quar	1
Protopulvinaria pyriformis (Pyriform scale)	Nurs plants/Cut flowers	Quar/Nurs	5
Pseudaonidia trilobitiformis (Trilobe scale)	Curry leaves	Quar	1
Pseudaulacaspis cockerelli (Magnolia white scale)	Cut foliage	Quar	10
Pseudaulacaspis brimblecombei (Armored scale)	Protea	Quar	2
Pseudococcus cryptus (Mealybug)	Betel leaves	Quar	1
Pseudococcus jackbeardsleyi (Mealybug)	Basil	Quar	4
Pseudococcus lycopodii (Mealybug)	Lycopodium	Quar	2
Pseudococcus sp. (Mealybug)	Cut foliage	Quar	5
Pseudomyrmex gracilis (Ant)	Basil	Quar	1
Pseudoparlatoria parlatorioides (False parlatoria scale)	Cut foliage	Quar	2
Pulvinaria psidii (Green shield scale)	Nursery plants	Nurs	3
Remaudiereana nigriceps (Lygaeid bug)	Longan	Quar	1



Pest Exclusion Activities

PEST INTERCEPTED *Genus species* (Common name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Rhytidoporus indentatus (Negro bug)	Sweet potato	Quar	1
Ripersiella hibisci (Soil mealybug)	Palm	Quar	2
Selenaspidus articulatus (Rufous scale)	Cut foliage	Quar	3
Selitrichodes sp. (Blue gum eucalyptus gall wasp)	Eucalyptus	Pub	3
Solenopsis geminata (Tropical fire ant)	Cut foliage	Quar	8
Sybra alternans (Long horned beetle)	Cut foliage	Quar	10
Technomyrmex albipes (White footed ant)	Cut foliage	Quar	68
Trigonidium sp. (Cricket)	Dracena	Quar	1
Trigonidomorpha sjostedti (Cricket)	Longan/Sweet potato	Quar	2
Trigonotylus sp. (Plant bug)	Basil	Quar	1
Veronicella sp. (Slug)	Cut foliage	Quar	5
Vinsonia stellifera (Stellate scale)	Cut foliage	Quar	7
Xylosandrus sp. (Bark beetle)	Cut foliage	Quar	1
TOTAL			**4,757**

*SOURCE: Nurs: Nursery Pub: Public Quar: Quarantine

Pest Exclusion

Our Pest Exclusion program is committed to protecting consumers and growers by preventing the entry and distribution of exotic insect and plant pests through regular inspections at airports, express carriers, post offices, nurseries, and truck deliveries. Nursery and seed inspections help to maintain clean nursery stock and avoid the unintended introduction of noxious weeds.

Pest Detection

Our Pest Detection Division annually places and services over 32,000 insect traps to detect exotic insect pests. Most of our sprawling suburbs have houses with fruit trees in the front or side yard areas. Chances are, sooner or later, residents of such properties will receive a visit from an inspector or find a notice at the door explaining the trap that has been temporarily placed in their tree.

Inspectors typically examine the contents of traps on-site. If their scrutiny detects a suspected exotic insect pest, our Entomology Lab can confirm the finding and, then, send the specimen to a State lab for further investigation and documentation.

Many homeowners have been especially welcoming of our traps, wanting to preserve their cherished fruit trees from harm by exotic insect pests and to assist our efforts in protecting agriculture and the urban and natural forests, alike.

PLANT PATHOLOGY LABORATORY Plant Diseases	MATERIAL	SOURCE*	# of INTERCEPTIONS
Phytophthora ramorum (Ramorum Blight)	Camellia	Quar	4
Phytophthora ramorum (Ramorum Blight)	Loropetalum	Quar	1
Phytophthora ramorum	Soil	Quar	2
Puccinia horiana (Chrysanthemum White Rust)	Chrysanthemum	Quar	2
Peronospora trigonellae (Downy Mildew of Fenugreek)	Fenugreek	Pub	1
TOTAL			**10**

*SOURCE: Nurs: Nursery Pub: Public Quar: Quarantine

PLANT PATHOLOGY LABORATORY Weeds	MATERIAL	SOURCE*	# of INTERCEPTIONS
Fatoua villosa (Hairy Crabweed)		Nurs	6
Sorghum sp.		Nurs	1
Limnobium laevigatum (South American Spongeplant)		Nurs	1
Solanum lanceolatum (Orangeberry Nightshade)		Pub	1
Cyperus esculentus (Yellow Nutsedge)		Nurs	1
TOTAL			**10**

*SOURCE: Nurs: Nursery Pub: Public Quar: Quarantine

Plant Pathology Lab

When someone cannot determine what is wrong with their tree or a garden plant, it would be hard for them to find a better source of diagnosis than Dr. Jerrold Turney, our Plant Pathologist. Under his direction, the department's Plant Pathology Laboratory identifies and helps prevent the introduction of exotic plant diseases, plant pathogenic nematodes, and invasive weeds into the county. The lab is also the place anyone can go to determine just what species of plant or mushroom is growing on their property.

ACKNOWLEDGEMENTS

We sincerely thank Maynard Johnson with El Monte Printing, Inc., for the design layout of this year's crop report. A special word of thanks to all who assisted in created this edition of the crop report: Public Information Officer Ken Pellman, for researching, writing, editing, and staff photographs; Administrative Assistant Karen Wong, who generated the completed statistical report; Cynthia Werner, for research, consultation, and photos, and Deputy Agricultural Commissioner Richard G. Sokulsky. For gathering and compiling information and providing or assisting with photographs, we thank Entomologist Dr. Gevork Arakelian, Plant Pathologist Dr. Jerry Turney, Deputy Agricultural Commissioner Jim Wiseman, Sonya Carlos, Erineo Ada, Christine Belden, Liza Chang, Ibrahim Abdel-Fatah, Margot Lowe, Adrian Zavala, Mary Ann Nolan, Gary Mork, Chuck Wait, Fayek Girgis, Erasmo Ortiz, Noah Rios, Max Regis, and the men and women of the Entomology Laboratory, Pest Exclusion, and Pest Detection.

For a copy of this report, visit our website at: http://acwm.lacounty.gov

Sayre Fire

In recent years, it seems as though there is always a wildfire burning somewhere in California. From the safety of our headquarters building in Arcadia, we have even witnessed several fires voraciously consuming vegetation in the San Gabriel Mountains.

This year, one fire took a big bite out of us.

On the campus of the Olive View-UCLA Medical Center, a County hospital in Sylmar, we had (emphasis on 'had') modular offices, storage sheds, and vehicles. Some of the equipment housed there was brand new (emphasis on 'was').

Fire reached the property on the night of Friday, November 14. The flames of the Sayre Fire licked Olive View into the night. When the sun rose the next morning and the smoky air cleared, we found devastation. The permanent hospital itself came through mostly unscathed, but our satellite offices were destroyed.

Several of our programs (Pest Exclusion/Produce Quality, Pest Detection, Pesticide Regulation, Pest Management, and Weed Abatement) were seriously impacted by the loss of equipment, vehicles, records, and supplies. Fortunately, and most importantly, none of our personnel were injured.

Through the dedication of a great many within our departmental staff and representative of the spirit and conscientiousness with which they perform their important duties throughout the year, we picked ourselves up, dusted off, and went back to work, promptly restoring our critical operations and avoiding significant disruptions to services.

Department of
Agricultural Commissioner/
Weights and Measures
County of Los Angeles

12300 Lower Azusa Road
Arcadia, California 91006

2009

Los Angeles County Crop and Livestock Report

Table of Contents

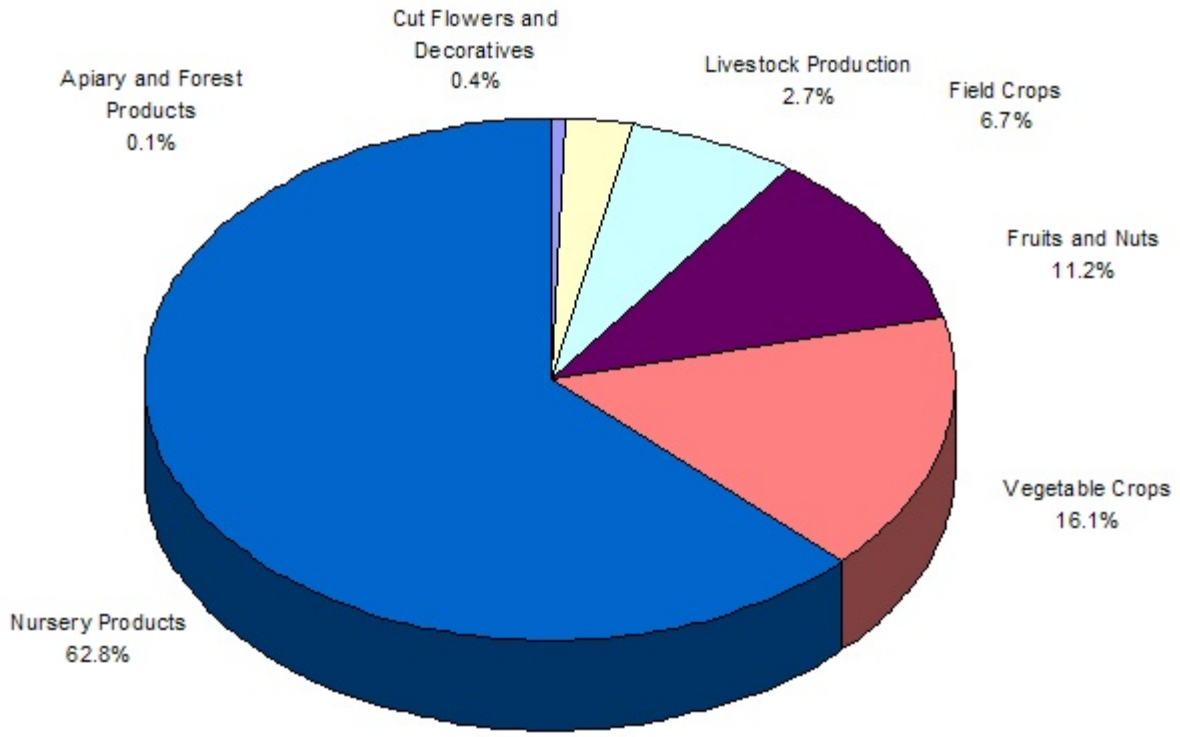
MILLION DOLLAR COMMODITIES

1.	**Ornamental Trees and Shrubs**	**$71,698,000**
2.	**Root Vegetables**	**25,085,000**
3.	**Bedding Plants**	**22,965,000**
4.	**Orchard Fruit**	**12,763,000**
5.	**Alfalfa Hay**	**8,636,000**
6.	**Dairy & Livestock**	**5,154,000**
7.	**Indoor Plants, Foliage**	**4,879,000**
8.	**Grapes**	**4,702,000**
9.	**Indoor Plants, Flowering**	**2,564,000**
10.	**Strawberries**	**2,215,000**
11.	**Vine Crops**	**1,864,000**
12.	**Ground Covers**	**1,570,000**
13.	**Grain Hay**	**1,535,000**

SUMMARY

Commodity	2007	2008	2009
Nursery Products	$173,580,000	$137,308,000	$119,105,000
Cut Flowers and Decoratives	734,000	671,000	810,000
Fruits and Nuts	24,469,000	20,996,000	21,252,000
Vegetable Crops	33,523,000	44,155,000	30,357,000
Field Crops	12,327,000	14,185,000	12,624,000
Livestock Production	8,513,000	7,839,000	5,154,000
Apiary	207,000	1,021,000	246,000
Forest Products	15,000	16,000	12,000
TOTAL	**$253,368,000**	**$226,191,000**	**$189,560,000**

Year 2009 Crop Value Summary
Total Value: $189,560,000



NURSERY PRODUCTS

Item	Year	Green House Square Feet	Field Acres	Total Value	
Ornamental Trees	**2009**	**3,681,000**	**1,228**	**$71,698,000**	▼
and Shrubs	2008	3,614,000	1,577	81,142,000	
Bedding Plants	**2009**	**1,287,000**	**102**	**$22,965,000**	▼
	2008	1,359,000	138	31,970,000	
Indoor Plants, Flowering	**2009**	**545,000**	**1**	**$2,564,000**	▼
	2008	501,000	0	3,311,000	
Indoor Plants, Foliage	**2009**	**278,000**	**2**	**$4,879,000**	▲
	2008	340,000	8	2,910,000	
Ground Covers	**2009**	**205,000**	**26**	**$1,570,000**	▼
	2008	156,000	26	1,927,000	
Miscellaneous *	**2009**	**296,000**	**802**	**$15,429,000**	▼
	2008	182,000	764	16,048,000	
TOTAL	**2009**	**6,292,000**	**2,161**	**$119,105,000**	▼
	2008	6,152,000	2,513	$137,308,000	

* Includes perennials, vegetable plants, bonsai plants, orchids, sod, palm trees, turf, and cacti.

CUT FLOWERS & DECORATIVES

Item	Year	Green House Square Feet	Field Acres	Total Value	
Miscellaneous *	**2009**	**50,000**	**75**	**$810,000**	▲
	2008	35,000	77	671,000	

* Includes lilacs, pompoms, freesias, fruit blossoms, mums, snapdragons, yarrow, delphiniums, Christmas trees, and other miscellaneous flowers.

FRUIT & NUT CROPS

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Strawberries	**2009**	**101**	**9.5**	**956**	**Ton**	**$2,317**	**$2,215,000**	▲
	2008	107	8.3	890	Ton	$2,330	2,074,000	
Avocados	**2009**	**80**	**0.6**	**50**	**Ton**	**$1,749**	**$87,000**	▼
	2008	81	3.0	243	Ton	$1,100	$267,000	
Cherries	**2009**	**152**	**1.2**	**183**	**Ton**	**$4,000**	**$732,000**	▼
	2008	150	1.3	195	Ton	$4,000	784,000	
Apples	**2009**	**130**	**3.0**	**390**	**Ton**	**$1,300**	**$507,000**	▼
	2008	131	3.0	392	Ton	$1,298	509,000	
Grapes	**2009**	**370**	**3.7**	**1,355**	**Ton**	**$3,470**	**$4,702,000**	▲
	2008	400	3.1	1,250	Ton	$2,214	2,768,000	
Orchard Fruit	**2009**	**1,072**	Includes nectarines, peaches, pears, plums, oranges, tangerines, apricots, lemons, and grapefruit.				**$12,763,000**	▼
	2008	1,075					14,233,000	
Miscellaneous	**2009**	**52**	Includes figs, pistachios, raspberries, other miscellaneous fruit, and nut crops.				**$246,000**	▼
	2008	82					361,000	
TOTAL	**2009**	**1,957**					**$21,252,000**	▲
	2008	2,026					20,996,000	

VEGETABLE CROPS

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Root Vegetables	**2009**	**3,601**	Includes dry onions, carrots, potatoes, radishes, beets, turnips, and other root vegetables.				**$25,085,000**	▼
	2008	6,872					41,221,000	
Herbs	**2009**	**12**	Includes cilantro, parsley, chives, mint, thyme, and other herbs.				**$718,000**	▲
	2008	19					501,000	
Table Greens	**2009**	**10**	Includes spinach, kale, oriental specialities, and lettuce.				**$301,000**	▲
	2008	9					122,000	
Vine Crops	**2009**	**132**	Includes cucumbers, green beans, melons, pumpkins, squash, tomatoes, watermelons, and zucchini.				**$1,864,000**	▲
	2008	111					1,268,000	
Miscellaneous	**2009**	**326**	Includes bell peppers, cacti, celery, chard, sweet corn, green onions, Mexican onions, and other miscellaneous.				**$2,389,000**	▲
	2008	205					1,043,000	
TOTAL	**2009**	**4,081**					**$30,357,000**	▼
	2008	7,216					44,155,000	

FIELD CROPS

Item	Year	Acreage	Production Per Acre	Production Total	Unit	Value Per Unit	Total Value	
Alfalfa Hay	**2009**	**7,044**	**8.3**	**58,662**	**Ton**	**$147**	**$8,636,000**	▼
	2008	5,698	8.5	48,353		$214	10,359,000	
Grain Hay	**2009**	**4,868**	**2.8**	**13,714**	**Ton**	**$112**	**$1,535,000**	▼
	2008	3,504	3.5	12,246		$190	2,322,000	
Rangeland	**2009**	**47,400**					**$930,000**	▲
	2008	46,200					735,000	
Miscellaneous	**2009**	**3,784** *				**	**$1,523,000**	▲
	2008	1,385 *				**	769,000	
TOTAL	**2009**	**15,696** ***					**$12,624,000**	▼
	2008	10,587 ***					14,185,000	

* Acreage excludes stubble.
** Value includes irrigated pasture, sudan hay, oat hay, and grazing privileges on stubble.
*** Excluding rangeland and stubble.

DAIRY & LIVESTOCK

Item	Year		Total Value	
	2009	Includes dairy cattle, beef cattle, hogs, goats, chickens, milk, goat milk, eggs, etc.	**$5,154,000**	▼
	2008		7,839,000	

APIARY

Item	Year	Production	Unit	Value Per Unit	Total Value	
Honey	**2009**	**121,960**	**Lb.**	**$1.89**	**$205,000**	▼
	2008	217,110		$3.77	819,000	
Beeswax	**2009**	**3,096**	**Lb.**	**$2.58**	**$8,000**	▲
	2008	192		$3.65	1,000	
Miscellaneous	**2009**				**$33,000**	▲
	2008				201,000	
TOTAL	**2009**				**$246,000**	▼
	2008				1,021,000	

FOREST PRODUCTS

Item	Year	Total Value	
Firewood *	**2009**	**$12,000**	▼
	2008	16,000	

* Figures obtained from USDA Forest Service, Angeles National Forest.

SUSTAINABLE AGRICULTURE REPORTING

Organic Farming Statistics

Crops	Estimated Acres 2009	2008
Apples	0.36	0.51
Apricots	7.50	8
Avocados	20	18
Cactus Pears	5	3
Cherimoyas	1.05	1
Cherries	2.25	0.25
Citrus	24.07	24
Grapes	0.95	28
Herbs (including sprouts)	3	3
Peaches	11.25	13.64
Pears	0.02	0
Persimmons	2	1
Pomegranates	1.13	1
Miscellaneous	1	1
Vegetables	30.60	28.60
TOTAL	**110.18**	**131.00**

Year	Farms	Acres
2009	**25**	**110.18**
2008	17	131.00

PEST DETECTION ACTIVITIES

Pest	Number of Traps Pest Detection	Specimens Trapped
Mexican Fruit Fly	4,973	0
Mediterranean Fruit Fly	5,010	3
Melon Fly	4,994	14
Oriental Fruit Fly	4,994	0
Striped Fruit Fly (traps shared with Melon Fly)		9
White Striped Fruit Fly (traps shared with Melon Fly)		8
Guava Fruit Fly (traps shared with Oriental Fruit Fly)		6
Gypsy Moth	2,159	0
Asian Gypsy Moth (traps shared with Gypsy Moth)		2
Japanese Beetle	3,080	1
Khapra Beetle	299	0
European Pine Shoot Moth	10	0
European Corn Borer	4	0
Light Brown Apple Moth	4,973	109
TOTAL	**30,496**	**152**

PEST ERADICATION ACTIVITIES

Pest	Method	Scope of Program
Mediterranean Fruit Fly	Ground bait and increased sterile Mediterranean Fruit Fly release	1 treatment area
White Striped Fruit Fly	Ground bait and eradication traps	1 treatment area
Oriental Fruit Fly	Male Attractant Technique	1 treatment area
Mediterranean Fruit Fly	Continued preventative program: sterile Medfly release countywide	Approximately 8.5 billion steriles released
Guava Fruit Fly	Male Attractant Technique	1 treatment area
Red Imported Fire Ant	Treatments completed Survey Work	1,004 properties 15,773 properties/4,337 acres

BIOLOGICAL CONTROL ACTIVITIES

Pest	Agent/Mechanism	Scope of Program
Mediterranean Fruit Fly	Sterile Release	8,528,484,096 sterile Medflies released

PEST EXCLUSION ACTIVITIES

Pest Exclusion Violations	Number of Violations Issued
Infested/Presumed Infested	247
Markings	62
Burrowing and Reniform Nematodes	7
Light Brown Apple Moth	6
Proof of Ownership	4
Citrus Pests	15
Failure to Hold	20
Federal (Hawaiian) Quarantine	2
Asian Citrus Psyllid (ACP)	15
Japanese Beetle	4
Mishandling	7
Plum Curculio and Blueberry Maggot	3
Red Imported Fire Ant	1
Ozonium Root Rot	2
Cedar Apple Rust	1
TOTAL	**396**

PEST EXCLUSION ACTIVITIES

PEST INTERCEPTED *Latin Name* (Common Name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Entomology Laboratory			
Agallia sp. (Leafhopper)	Cut foliage	Quar	9
Aleurodicus dispersus (Spiraling whitefly)	Cut foliage	Quar	11
Aleuroglandulus subtilis (Whitefly)	Cut foliage	Quar	1
Aleurotrachelus sp. (Whitefly)	Cut foliage	Quar	3
Anoplolepis gracilipes (Long-legged ant)	Cut foliage	Quar	1
Araecerus coffeae (Coffee bean weevil)	Basil	Quar	1
Aspidiotus destructor (Coconut scale)	Cut foliage	Quar	9
Atractomorpha sinensis (Slant-faced grasshopper)	Basil	Quar	5
Bagrada hilaris (Bagrada bug)	Broccoli/Alyssum	Pub	3
Boreioglycaspis melaleucae (Melaleuca psyllid)	Melaleuca	Pub	1
Bradybaena similaris (Snail)	Cut foliage	Quar	7
Camponotus sp. (Ant)	Dracaena	Quar	1
Ceroplastes rubens (Red wax scale)	Palm	Quar	2
Ceroplastes rusci (Fig wax scale)	Palm/Cut foliage	Quar	5
Ceroplastes stellifer (Stellate scale)	Cut foliage	Quar	9
Chlorophorus annularis (Coconut scale)	Bamboo	Pub	1
Chrysodeixis eriosoma (Green garden looper)	Cut foliage	Quar	16
Cinara sp. (Aphid)	Cut foliage	Quar	1
Coccus viridis (Green scale)	Cut foliage	Quar	1
Coccus sp. (Soft scale)	Cut foliage	Quar	6
Coptotermes sp. (Termite)	Basil	Quar	1
Crematogaster sp. (Ant)	Ginger	Quar	1
Curtomerus flavus (Longhorned beetle)	Cut foliage	Quar	2
Diaphania nitidalis (Pickleworm)	Tindora	Quar	3
Diploptera punctata (Pacific beetle cockroach)	Cut foliage	Quar	3
Eleutherodactylus coqui (Coqui frog)	Palm	Quar	1

PEST EXCLUSION ACTIVITIES

PEST INTERCEPTED *Latin Name* (Common Name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Elimaea punctifera (Katydid)	Cut foliage	Quar	2
Empoasca sp. (Leafhopper)	Cut foliage	Quar	4
Eumerus figurans (Ginger maggot)	Ginger	Quar	4
Euschistus sp. (Stink bug)	Oregano	Quar	1
Ferrisia sp. (Mealybug)	Rambutan	Quar	1
Frankliniella tritici (Eastern flower thrips)	Mock-orange	Quar	1
Geococcus coffeae (Coffee root mealybug)	Palm	Quar	1
Geotomus pygmaeus (Burrowing bug)	Ginger	Quar	1
Gyponana germari (Leafhopper)	Cut foliage	Quar	19
Hemiberlesia palmae (Tropical palm scale)	Bay leaves	Quar	1
Heteropsylla sp. (Psyllid)	Basil	Quar	1
Homalodisca vitripennis (Glassy-winged sharpshooter - adults)	Nursery plants	Nurs	4717
Homalodisca vitripennis (Glassy-winged sharpshooter - eggs)	Nursery plants	Nurs	344
Ishnaspis longirostris (Black thread scale)	Rambutan	Quar	1
Kallitaxila granulata (Planthopper)	Cut foliage	Quar	29
Lepisiota sp. (Ant)	Longan	Quar	1
Lopholeucaspis cockerelli (Cockerell scale)	Cut foliage	Quar	2
Meghimatium striatum (Slug)	Dracaena	Quar	3
Nipaecoccus sp. (Coconut mealybug)	Palm	Quar/Nurs	15
Nysius sp. (Lygaeid bug)	Cut foliage	Quar	26
Ochetellus glaber (Ant)	Cut foliage	Quar	4
Ophelimus sp. (Eucalyptus gall wasp)	Blue gum eucalyptus	Pub	3
Orchidophilus sp. (Weevil)	Basil	Quar	2
Paraleyrodes sp. (Whitefly)	Palm	Quar	1
Parmarion martensi (Semislug)	Cut foliage	Quar	1
Pentarthrum sp. (Weevil)	Cut foliage	Quar	2

PEST EXCLUSION ACTIVITIES

PEST INTERCEPTED *Latin Name* (Common Name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Phaneroptera furcifera (Katydid)	Cut foliage	Quar	5
Pheidole megacephala (Big headed ant)	Cut foliage	Quar	14
Phenacoccus sp. (Mealybug)	Basil	Quar	1
Philephedra lutea (Soft scale)	Ginger	Quar	1
Pinnaspis buxi (Boxwood scale)	Cut foliage	Quar	16
Pinnaspis strachani (Lesser snow scale)	Cut foliage	Quar	4
Planococcus sp. (Mealybug)	Cut foliage	Quar	3
Platycorypha nigrivirga (Tipu psyllid)	Tipu tree	Pub	1
Poliaspis cycadis (Cycad poliaspis scale)	Sago Palm	Nurs	1
Protaetia fusca (Mango flower beetle)	Cut foliage	Quar	1
Protopulvinaria pyriformis (Pyriform scale)	Nurs/Cut flowers	Nurs/Quar	3
Pseudaulacaspis cockerelli (Magnolia white scale)	Cut foliage	Quar	6
Pseudococcus jackbeardsleyi (Mealybug)	Basil	Quar	5
Pseudococcus lycopodii (Mealybug)	Lycopodium	Quar	1
Pseudococcus sp. (Mealybug)	Cut foliage	Quar	1
Pseudomyrmex gracilis (Ant)	Protea	Quar	1
Pulvinaria psidii (Green shield scale)	Nursery plants	Nurs	2
Pulvinaria urbicola (Urban soft scale)	Cut foliage	Quar	1
Remaudiereana nigriceps (Lygaeid bug)	Ginger	Quar	1
Rhytidoporus indentatus (Negro bug)	Sweet potato	Quar	1
Ripersiella hibisci (Soil mealybug)	Palm	Quar	2
Saissetia sp. (Soft scale)	Protea	Quar	1
Scotinophara tarsalis (Stink bug)	Cut foliage	Quar	2
Selenaspidus articulatus (Rufous scale)	Cut foliage	Quar	2
Selitrichodes globulus (Blue gum eucalyptus gall wasp)	Eucalyptus	Pub	1
Semanotus bifasciatus (Longhorned beetle)	Fir furniture	Quar	1

PEST EXCLUSION ACTIVITIES

PEST INTERCEPTED *Latin Name* (Common Name)	MATERIAL	SOURCE*	# of INTERCEPTIONS
Solenopsis geminata (Tropical fire ant)	Cut foliage	Quar	4
Sybra alternans (Longhorned beetle)	Cut foliage	Quar	2
Tarophagus colocasiae (Taro planthopper)	Ginger	Quar	1
Technomyrmex albipes (White footed ant)	Cut foliage	Quar	42
Tranes internatus (Weevil)	Cycad	Nurs	1
Trialeurodes sp. (Whitefly)	Bay leaves	Quar	1
Trigonidomorpha sjostedti (Cricket)	Longan / Sweet potato	Quar	7
Veronicella sp. (Slug)	Cut foliage	Quar	6
Wasmannia auropunctata (Ant)	Ginger	Quar	2
Xylosandrus sp. (Bark beetle)	Coriander	Quar	1
Xyphon sp. (Leaphopper)	Basil	Quar	1
TOTAL			**5,437**

Plant Pathology Laboratory

Carthamus lanatus (Woolly Distaff Thistle)	Seed	Pub	1
Alternanthera phyllantheroides (Alligator Weed)	Weed	Pub	1
Lepidium latifolium (Perennial Peppercress)	Weed	Pub	1
Centaurea melitensis (Toclote)	Weed	Pub	1

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