

2008

Los Angeles County Crop and Livestock Report

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

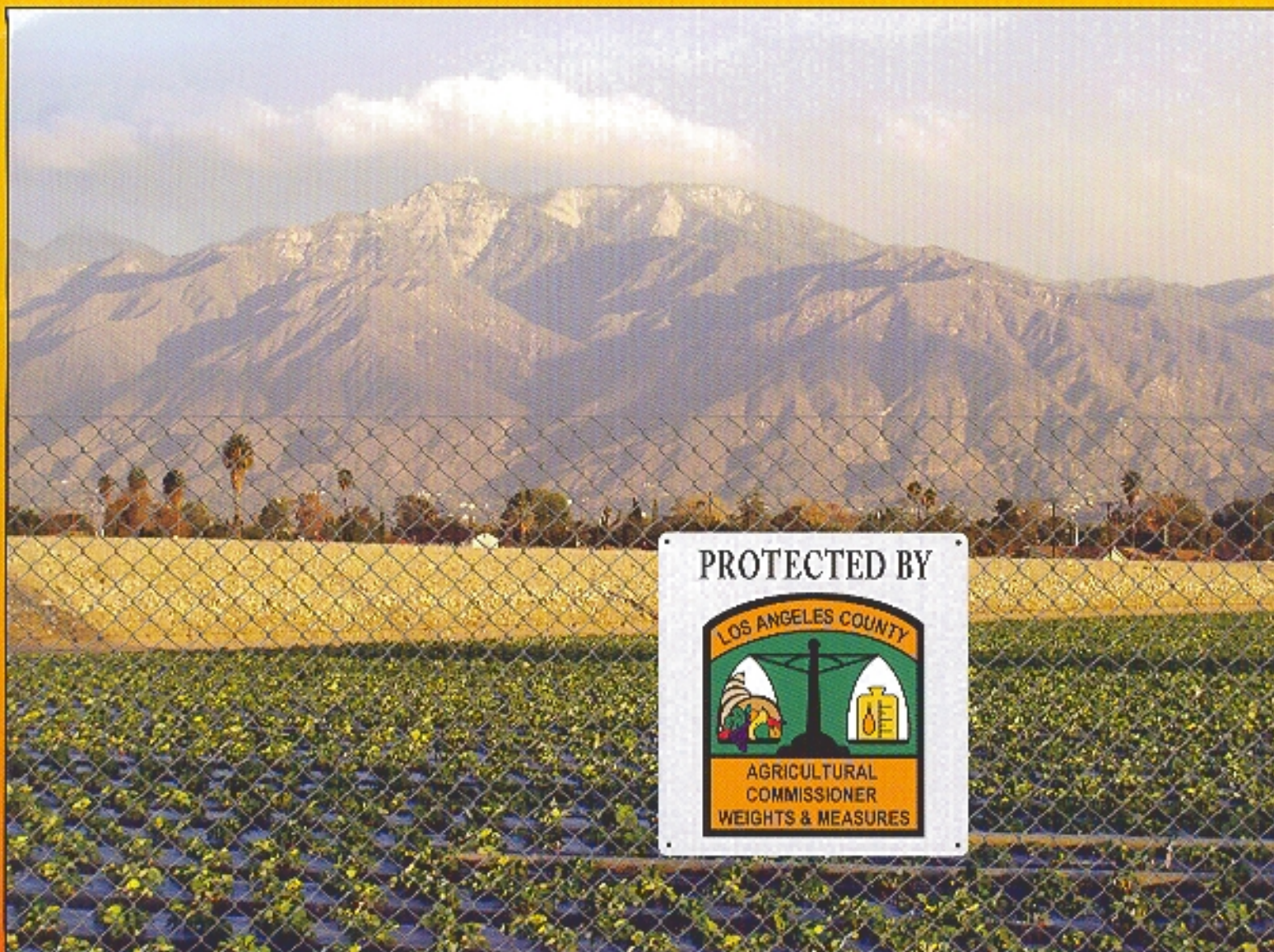


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DON'T BUG ME



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**

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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

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
GI Scura

Pest Exclusion Inspector Aids:
Lilbeth Cardano, Maxim Yu,
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Thanks to
Max Regis, Inspector



Introduction: Gateway to the World

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.



Linda Khui,
Pest Exclusion Inspector



Rob Smos,
Pest Exclusion Inspector



Emmanuel Ogburn,
Pest Exclusion Inspector

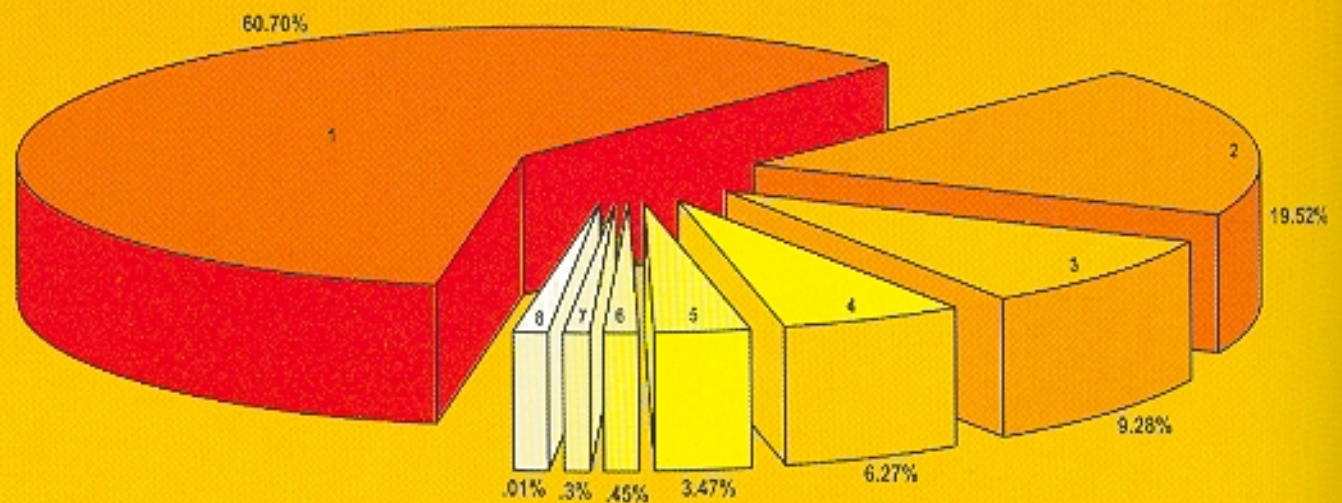


Million Dollar Commodities

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



- Nursery Products
- Vegetable Crops
- Fruits & Nuts
- Field Crops
- Livestock Production
- Apiary
- Cut Flowers & Decoratives
- Forest Products



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
TOTAL	2008	6,152,000	2,513	\$137,308,000 ▼
	2007	6,326,000	2,608	\$173,580,000

* 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 *	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	

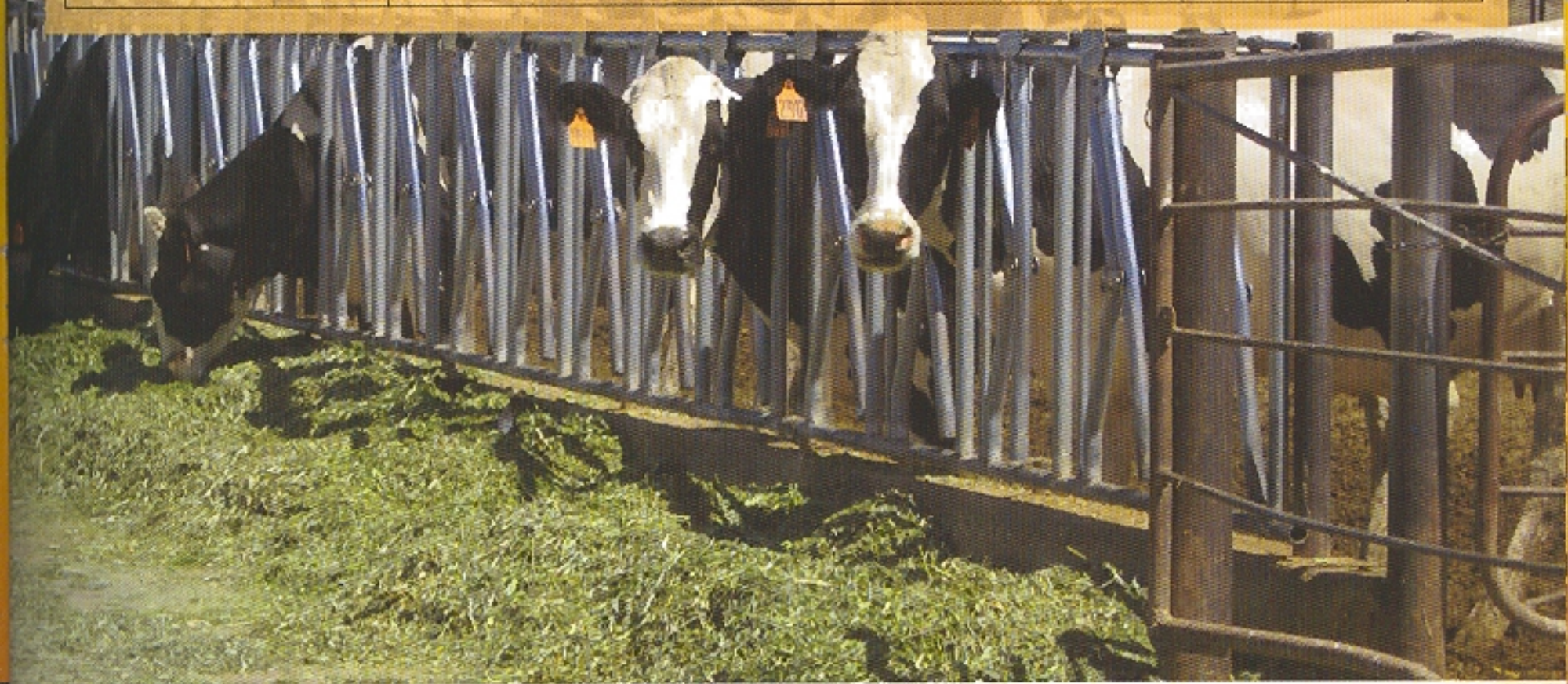
* Acreage excludes stubble.

** 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

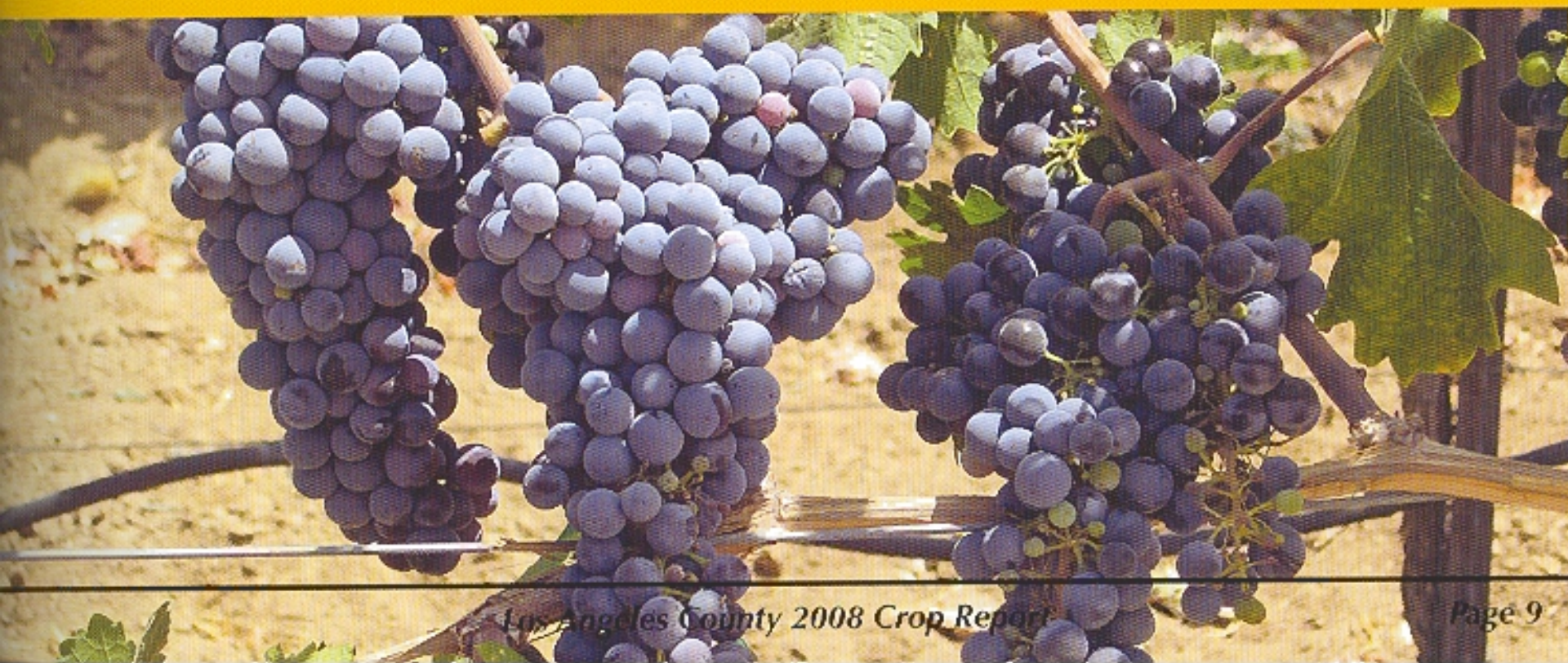
ORGANIC FARMING STATISTICS

<u>CROPS</u>	<u>ESTIMATED ACRES</u>	
	<u>2008</u>	<u>2007</u>
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

<u>YEAR</u>	<u>FARMS</u>	<u>ACRES</u>
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, coincidentally, 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.

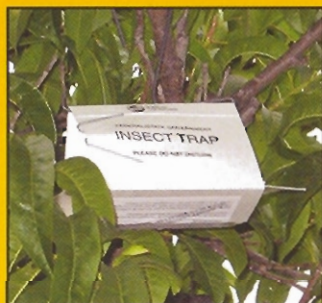
The Entomology Laboratory of the Los Angeles County Department of Agricultural Commissioner/Weights and Measures provides rapid and accurate identifications to support the department's Pest Detection and Pest Exclusion programs while also offering identification and information services to county residents,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



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

Pest Exclusion Activities

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

Pest Exclusion Activities



PEST INTERCEPTED
Genus species (Common name)

MATERIAL

SOURCE*

of INTERCEPTIONS

Entomology Laboratory

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



Pest Exclusion Activities

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

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

TOTAL **10**

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

<u>PLANT PATHOLOGY LABORATORY</u> Weeds	<u>MATERIAL</u>	<u>SOURCE*</u>	<u># of INTERCEPTIONS</u>
<i>Fatoua villosa</i> (Hairy Crabweed)		Nurs	6
<i>Sorghum sp.</i>		Nurs	1
<i>Limnobium laevigatum</i> (South American Spongeplant)		Nurs	1
<i>Solanum lanceolatum</i> (Orangeberry Nightshade)		Pub	1
<i>Cyperus esculentus</i> (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.

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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.





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