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California Department of Food and Agriculture

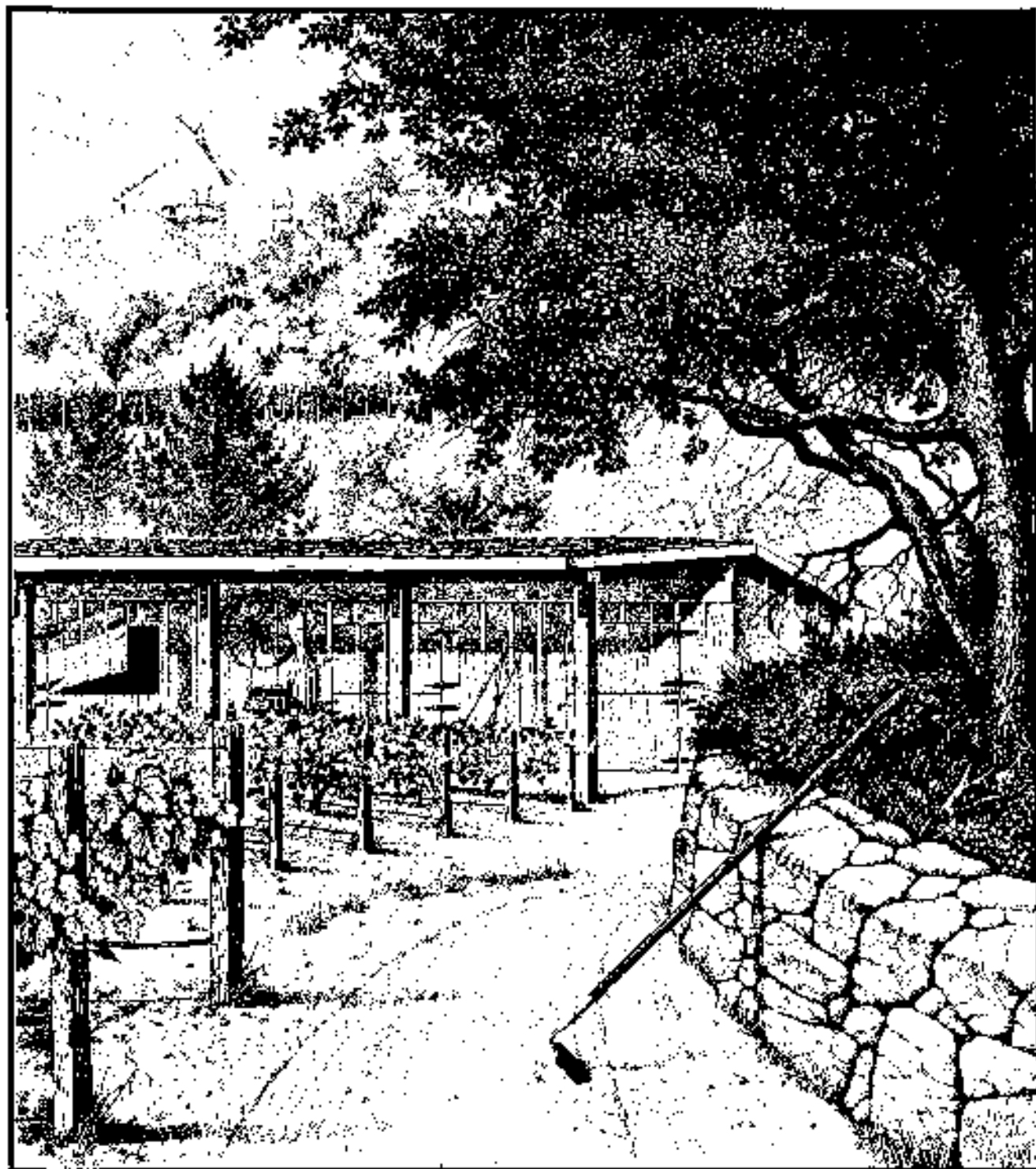
Agricultural Commissioners' Crop Reports

Los Angeles County

1995-1999

LOS ANGELES COUNTY

AGRICULTURAL COMMISSIONER/
WEIGHTS AND MEASURES DEPARTMENT



1995 CROP REPORT



E. Leon Spaugy
Agricultural Commissioner/
Director of Weights and Measures

COUNTY OF LOS ANGELES

*Department of
Agricultural Commissioner
and Weights and Measures*

3400 La Madera Avenue
El Monte, California 91732

Cato R. Fiksdal
Chief Deputy

1995 Crop Report

Ann M. Veneman, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
County of Los Angeles

In accordance with the provisions of Section 2272 of the California Food and Agricultural Code, it is with pleasure that I submit the 1995 Crop Report on the acreage, yield, and gross value of agricultural commodities produced in Los Angeles County.

The overall gross value of agricultural crops and products for 1995 was **\$209,850,749**, a 2.89% decrease from the 1994 total of \$216,114,112.

Nursery Products continues as the leading gross value commodity category with an increase of 1.95%. Increases also occurred in Vegetable Crops (29.27%), Field Crops (3.09%), Cut Flowers/Decoratives (16.98%), and Forest Products (0.24%). The large increase in Vegetable Crops from \$18,836,680 in 1994 to \$24,351,803 can be attributed to increased production of root vegetable acreage, such as carrots.

Fruit and Nut Crops decreased 11.62% in 1995 due to frost damage on peaches, nectarines, cherries and apricots. Production results for livestock and poultry, which amounted to more than \$13 million in 1994, are not included in this year's report due to the lack of availability.

Respectfully submitted,

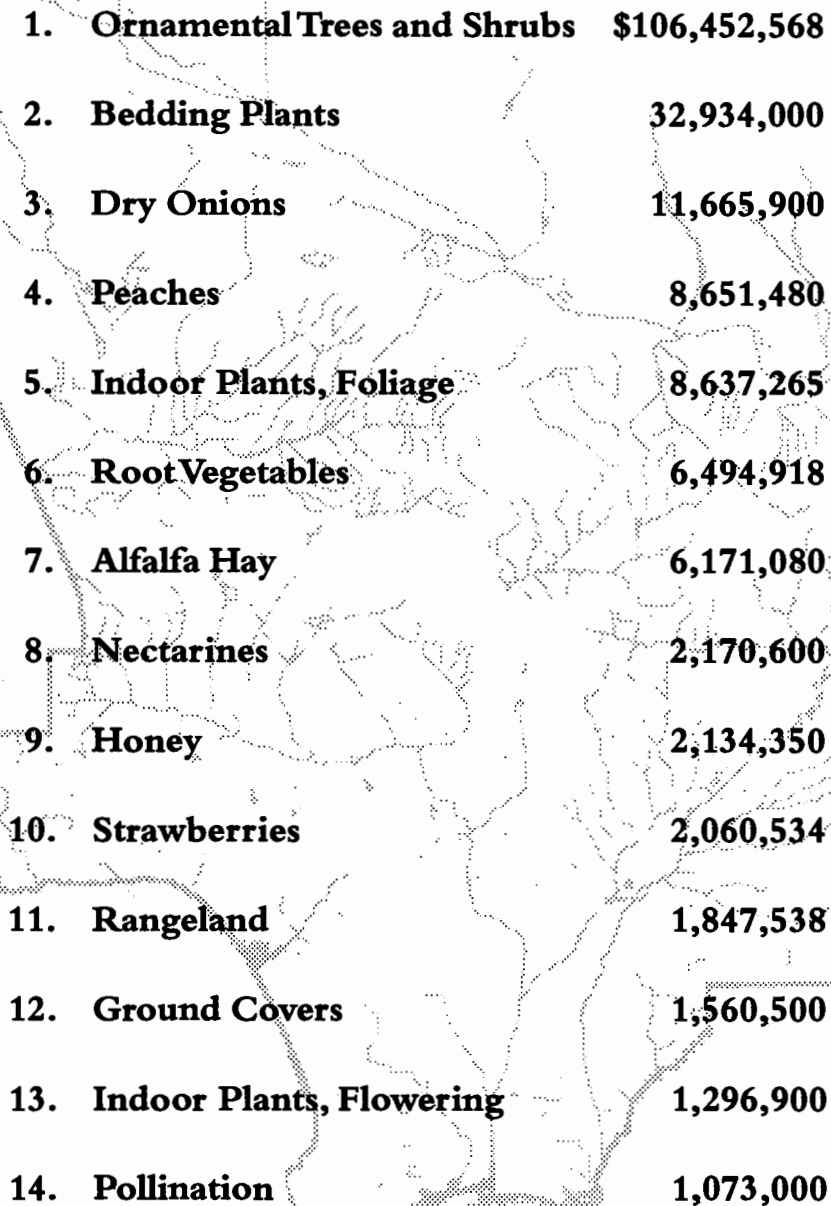
E. Leon Spaugy
Agricultural Commissioner/
Director of Weights and Measures

*"Agriculture is the foundation of manufactures;
Since the productions of nature are the materials of Art."*

Edward Gibbon, "Decline and Fall of the Roman Empire"

This report was possible only through the cooperation of all the nurserymen, growers, governmental and private agencies, and others who provided the information necessary for its production. A special acknowledgement and thank you to staff members Raymond Smith, for the pen-and-ink crop report cover, and to Miguel Angel Gonzalez and Julia Chen, for the report layout and for compiling and computerizing the statistics.

Million Dollar Crops



1.	Ornamental Trees and Shrubs	\$106,452,568
2.	Bedding Plants	32,934,000
3.	Dry Onions	11,665,900
4.	Peaches	8,651,480
5.	Indoor Plants, Foliage	8,637,265
6.	Root Vegetables	6,494,918
7.	Alfalfa Hay	6,171,080
8.	Nectarines	2,170,600
9.	Honey	2,134,350
10.	Strawberries	2,060,534
11.	Rangeland	1,847,538
12.	Ground Covers	1,560,500
13.	Indoor Plants, Flowering	1,296,900
14.	Pollination	1,073,000

Summary

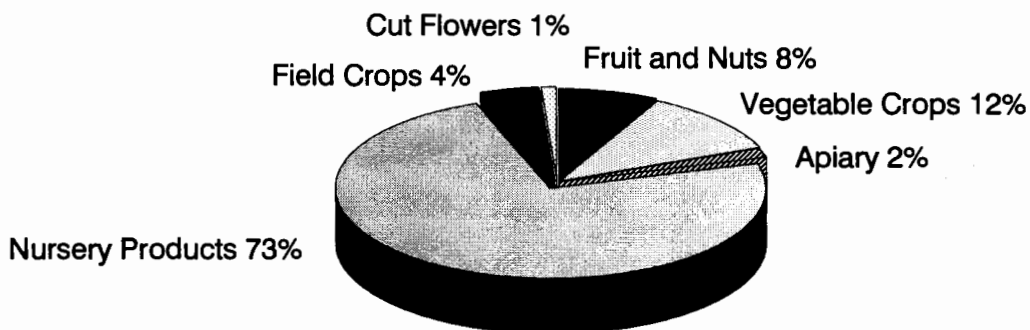
<u>Commodity</u>	<u>1993</u>	<u>1994</u>	<u>1995</u>
Nursery Products	144,835,163	151,726,383	154,687,653
Vegetable Crops	20,802,750	18,836,679	24,351,803
Fruit and Nuts	20,205,805	17,908,041	15,825,717
Field Crops	10,512,096	9,078,067	9,359,298
Apiary, Livestock, and Poultry Products	8,499,450	9,153,507	* 3,227,350
Livestock and Poultry	6,733,256	7,335,447	** --
Cut Flowers	2,232,417	1,898,573	2,221,078
Subtotal	213,820,937	215,936,697	209,672,899
Forest Products	<u>189,776</u>	<u>177,415</u>	<u>177,850</u>
Grand Total	\$214,010,713	\$216,114,112	\$209,850,749

* Exclude Livestock and poultry products.

** Due to budget cuts in L.A. County Veterinary Services, figures are not available.

CROP VALUE SUMMARY

Total Value \$209,850,749



Nursery Products

<u>Item</u>	<u>Year</u>	<u>House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total</u>
Ornamental Trees and Shrubs	1995	5,254,372	1,679.7	\$106,452,568
	1994	5,135,162	1,765.2	\$99,094,568
Bedding Plants	1995	1,018,898	155.5	32,934,000
	1994	2,608,890	269.3	29,675,700
Indoor Plants, Foliage	1995	955,390	16.2	8,637,265
	1994	942,060	13.8	12,095,304
Ground Covers	1995	674,080	41	1,560,500
	1994	873,670	45.9	3,761,848
Indoor Plants, Flowering	1995	106,786	5	1,296,900
	1994	308,984	12.6	1,633,465
Miscellaneous	1995	3,782,630	237.3	3,806,420
	1994	84,280	281.2	5,465,498
Includes vegetable plants, orchids, cacti, and sod.				
TOTAL	1995	11,792,156	2,134.6	\$154,687,653
	1994	9,953,046	2,388.0	\$151,726,383

Vegetable Crops

<u>Crop</u>	<u>Year</u>	<u>Acres</u>	<u>Production</u>		<u>Unit</u>	<u>Value</u>	
			<u>Per Acre</u>	<u>Total</u>		<u>Per Unit</u>	<u>Total</u>
Dry Onions	1995	1,669	24.96	41,658	Ton	\$280	\$11,665,900
	1994	1,346	26.24	35,325	Ton	361	12,720,000
Sweet Corn	1995	155	5.94	920	Ton	371	341,754
	1994	205	4.88	1,001	Ton	431	431,425
Table Greens	1995	200					1,927,062
	1994	220	Includes oriental specialties and leaf lettuce.				
Vine Crops	1995	240					1,087,520
	1994	254	Includes pumpkins, melons and tomatoes.				
Root Vegetables	1995	549					6,494,918
	1994	21	Includes beets and carrots.				
Miscellaneous	1995	174					2,834,649
	1994	123	Includes herbs and bean sprouts.				
TOTAL	1995	2,987					\$24,351,803
	1994	2,169					\$18,836,680

Fruit and Nut Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Production</u>		<u>Unit</u>	<u>Value</u>	
			<u>Per Acre</u>	<u>Total</u>		<u>Per Unit</u>	<u>Total</u>
Peaches (Freestone)	1995	732	13.00	9,506	Ton	\$910	\$8,651,480
	1994	720	18.06	13,000		823	10,700,000
Nectarines	1995	110	19.71	2,171	Ton	1,000	2,170,600
	1994	110	20.00	2,200		1,000	2,200,000
Strawberries	1995	162	14.53	2,354	Ton	875	2,060,534
	1994	359	9.90	3,554		761	2,705,386
Avocados	1995	174	4.35	757	Ton	1,301	985,160
	1994	158	1.83	290		1,119	324,260
Apples*	1995	70	8.49	597	Ton	900	537,000
Plums*	1995	28	11	308	Ton	1,300	400,400
Cherries	1995	140	.95	133	Ton	2,500	332,500
	1994	140	1.50	210		2,000	420,000
Miscellaneous	1995	197					688,043
	1994	594	Includes citrus, and other fruits and nuts.				
TOTAL	1995	1,613					\$15,825,717
	1994	2,081					17,908,041

* New crop in 1995



Strawberry Production in the San Gabriel Valley

Field Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Per Acre</u>	<u>Production</u>		<u>Value</u>	
				<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Alfalfa Hay	1995	5,480	8.71	47,720	Ton	\$129	\$6,171,080
	1994	5,565	8.34	46,394	Ton	144	6,690,040
Grain Hay	1995	2,958	2.11	6,256	Ton	106	660,200
	1994	2,450	2.0	4,900	Ton	107	526,400
Barley	1995	2,890	.71	2,066	Ton	130	267,648
	1994	1,387	.73	1,006	Ton	102	102,761
Miscellaneous	1995	1,097 *	Value includes wheat grain, irrigated pasture and grazing privileges on stubble. * Excluding stubble.				412,832
	1994	886 *					358,866
Rangeland	1995	240,335					1,847,538
	1994	240,000					1,400,000
TOTAL	1995	12,425 **	** Excluding rangeland.				\$9,359,298
	1994	10,288 **					9,078,067



Apiary Products

Bee colony inspection reduces losses due to pests and diseases of bees.

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Value</u>
					<u>Total</u>
Honey	1995	4,185,000	Lb.	\$.51	\$2,134,350
	1994	4,750,000	Lb.	.48	2,280,000
Pollination	1995	29,000	Hive	37.00	1,073,000
	1994	28,000	Hive	36.75	1,029,000
Beewax	1995	12,500	Lb.	1.6	20,000
	1994	11,000	Lb.	1.4	15,400
Total	1995				\$3,227,350
	1994				3,324,400

Cut Flowers and Decoratives

<u>Item</u>	<u>Year</u>	<u>House Sq. Ft.</u>	<u>Field Acres</u>	<u>Quantity</u>		<u>Value</u>	
				<u>Sold</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Christmas Trees	1995		111	22,766	Tree	\$34.39	\$782,892
	1994		171	30,693	Tree	30.50	936,048
Carnations	1995		2.83	806,005	Bloom	.22	178,410
	1994		4.5	750,800	Bloom	.22	164,098
Chrysanthemums	1995	18,096	3				53,926
	1994		4				110,345
Miscellaneous	1995	512,200	78.74	Includes <u>Strelitzia</u> , <u>Gypsophila</u> , and all			1,205,850
	1994	98,328	81.75	other cut flowers.			688,082
TOTAL	1995	530,296	195.57				\$2,221,078
	1994	98,328	261.25				\$1,898,573

Forest Products

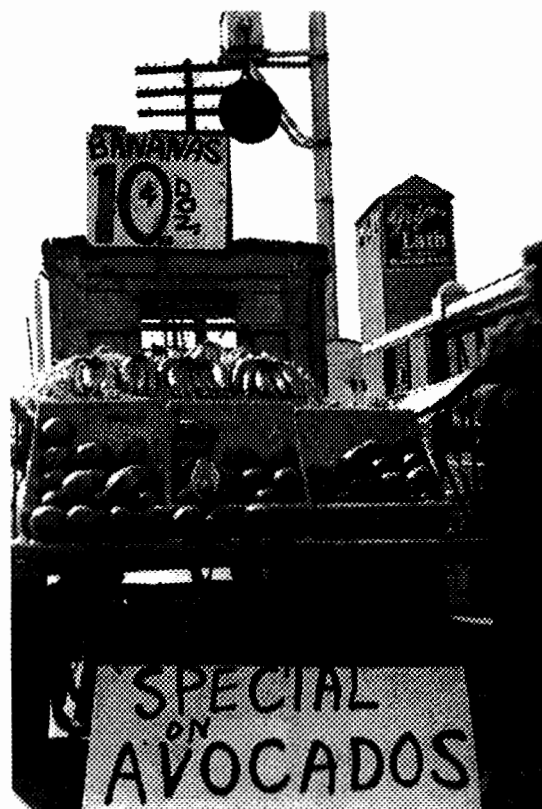
<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Price</u>	<u>Value</u>
Firewood	1995	1,200	Cord	\$30.00	\$36,000
	1994	856	Cord	35.00	29,960
Timber	1995				141,850 *
	1994	Miscellaneous Products			147,455
TOTAL	1995				\$177,850
	1994				177,415

* Figures obtained from State Board of Equalization, Timber Tax Division

Sustainable Agriculture Reporting

Organic Farming Statistics 1995

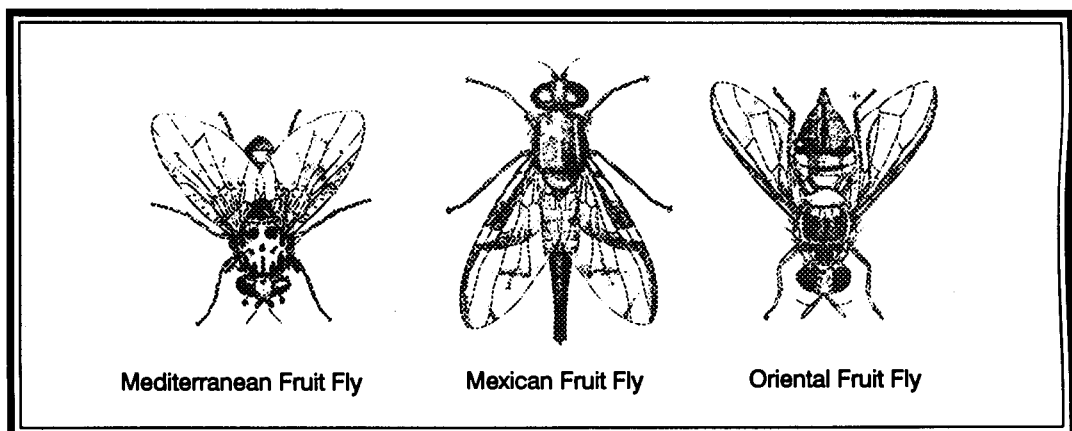
<u>Crop</u>	<u>Estimated Acre</u>	
	<u>1994</u>	<u>1995</u>
Apples	7	8
Avocados	4	6
Peaches	9	14
Herbs (including sprouts)	50	55
Cherries	19	19
Nectarines	5	5
Asian Pears	7	8
Pears	5	5
Vegetables (including oriental & lettuce)	27	28
Misc. Trees	15	17
Total	<u>148</u>	<u>165</u>



	<u>Farms</u>	<u>Acres</u>
1995	21	165
1994	21	148

Pest Detection Activities

<u>Pest</u>	<u>Number of Traps</u>		<u>Scope of Programs</u>
	<u>Pest Detection</u>	<u>Pest Eradication</u>	
Mediterranean Fruit Fly	5,300	0	0 Detection
Mexican Fruit Fly	4,920	286	7 Detections
Oriental Fruit Fly	4,900	175	7 Detections
Melon Fruit Fly	4,900	0	0 Detection
Gypsy Moth	3,500	200	2 Detections
Japanese Beetle	3,200	710	2 Detections (LAX)
European Corn Borer	17	0	0 Detection
European Pine Shoot Moth	32	0	0 Detection
Khapra Beetle	478	0	0 Detection
Africanized Honey Bee	42	0	0 Detection
TOTAL	27,289	1,371	18 Detections



Pest Eradication Activities

<u>Pest</u>	<u>Method</u>	<u>Scope of Program</u>
Mediterranean Fruit Fly	Steriles Released Exclusion - Quarantine	24,712.57 Million Released 915 Sq. Miles/ 201,268 Lbs. Fruit Seized
Oriental Fruit Fly	Male Annihilation Treatments	2 Treatment Areas
Mexican Fruit Fly	Steriles Released Exclusion - Quarantine	112 Million Released 61 Sq. Miles
Alligatorweed	Gross Area Inspected Herbicide Treatment (Net Area)	7,925 Acres *
Halogeton	Mechanical Control and Chemical Treatment	1,000 Sq. Ft. Treated

* Whittier Narrows Dam Basin Restoration Project - inspection by our staff

Biological Control Activities

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Programs</u>
Mediterranean Fruit Fly	(Steriles)	24,712.57 Million Sterile Fruit Flies Released
Mexican Fruit Fly	(Steriles)	112 Million Sterile Fruit Flies Released

Pest Exclusion Activities

<u>Pest Exclusion Violations Issued</u>	<u>Number of Violations Issued</u>
Infested/Presume Infested	124
Plum Curculio/Apple, Blueberry Maggot	45
Markings	37
Foreign Fruits and Vegetables	34
Burrowing Nematode	32
Caribbean Fruit Fly	21
Citrus Pests	15
Cherry Fruit Fly	14
European Corn Borer	9
Peach Yellow/Red Suture	8
Mexican Fruit Fly	7
Failure to Hold Plant Material For Inspection	5
Ozonium Root Rot	5
Peach Rosette Disease	5
Corn/Sugarcane Borer	4
Japanese Beetle	4
European Pine Shoot Moth	3
Chestnut Bark/Oak Wilt Disease	2
West Indian Sugarcane Root Borer	1
Cereal Leaf Beetle	1
Sweet Potato Weevil	1
Fruits and Vegetables From Hawaii	1
Gypsy Moth/Brown Tail Moth	1
Imported Fire Ant	1
	<hr/>
Total	380

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus Species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Moth Unknown	Basil	Quar	1
Spiraling whitefly <i>Aleurodicus dispersus</i>	Cut flowers Orchids	Quar	6
Spiraling whitefly (egg tracks) <i>Aleurodicus dispersus</i> (dead)	Cut flowers	Quar	2
Giant whitefly <i>Aleurodicus dugesii</i>	Hibiscus <i>Solandra hartwegii</i>	Pub	4
Woolly whitefly <i>Aleurothrixus floccosus</i>	Citrus Orange Guava	Nurs Pub Det	10
Mexican leafroller <i>Amorbia emigratella</i>	[unknown]	Quar	2
Mexican fruitfly <i>Anastrepha ludens</i>	Citrus (orange) Sapote	Det	12
Coffee bean weevil <i>Araecerus fasciculatus</i>	Peach	Det	2
Oriental fruitfly <i>Bactrocera dorsalis</i>	Citrus (lemon) Fig Guava Olive Peach	Det	12
Snail <i>Bradybaena similaris</i>	Anthurium Chrysalidocarpus <i>Ficus benjamina</i> <i>Ravenea rivularis</i> <i>Rhapis excelsa</i> Schefflera Vegetables Chamaedorea	Quar Det	20

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus Species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Green garden looper <i>Chrysodeixis eriosoma</i>	Basil Herbs	Quar	4
Slender soft scale <i>Coccus acutissimus</i>	<i>Cycas revoluta</i>	Quar	2
Narrow-winged katydid <i>Elimaea punctifera</i>	Basil	Quar	2
Glassy-winged leafhopper <i>Homalodisca coagulata</i>	<i>Ficus benjamina</i> House	Nurs Pub	4
Mining scale <i>Howardia biclavis</i>	<i>Ficus benjamina</i> Plants	Quar	10
Gypsy moth <i>Lymantria dispar</i>	Aluminum ladder BBQ grill Lawn items Ornamental tree Wheelbarrow	Quar	14
Gypsy moth (larval skin) <i>Lymantria dispar</i>	Wooden lawn chair	Quar	2
Mealybug <i>Nipaecoccus</i> sp. nov.	<i>Trachycarpus fortunei</i>	Nurs	4
Perseae mite <i>Oligonychus perseae</i>	Avocado Det	Pub Nurs	16
European corn borer <i>Ostrinia nubilalis</i>	Bell Pepper Corn	Quar	4
Nesting whitefly <i>Paraleyrodes minei</i>	Avocado Citrus (orange) <i>Melaleuca</i> <i>Pyrus communis</i> <i>Lauris nobilis</i>	Pub Nurs Det	14

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus Species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Ant <i>Pheidole fervens</i>	In cracks of sidewalk	Pub	2
Big-headed ant <i>Pheidole megacephala</i>	Basil Bromeliads Cut flowers Ti	Quar	14
Lesser snow scale <i>Pinnaspis strachani</i>	Chamaedorea Cut flowers Ti	Quar	6
Japanese beetle <i>Popillia japonica</i>	Indian cilantro Tree Wild iris	Quar Det	6
Pyriform scale <i>Protospulvinaria pyriformis</i>	Avocado <i>Fatsia japonica</i> <i>Lauris nobilis</i> <i>Melaleuca</i>	Nurs	8
Magnolia white scale <i>Pseudaulacaspis cockerelli</i>	Areca palm Chamaedorea Cut flowers <i>Cycas revoluta</i> Mylee leaves Palm frond <i>Phoenix roebelenii</i>	Nurs Quar	18
Green shield scale <i>Pulvinaria psidii</i>	Ginger <i>Melaleuca</i> <i>Schinus</i> sp. <i>Schinus terebinthifolius</i>	Quar Nurs	8
Soil mealybug <i>Rhizoecus hibisci</i>	<i>Ravenia rivularis</i> <i>Cycas revoluta</i> Unknown leaves	Quar	4
Rufus scale <i>Selenaspidus articulatus</i>	Ginger	Quar	2

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus Species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Red imported fire ant <i>Solenopsis invicta</i>	Truck trailer	Quar	2
Two-spotted leafhopper <i>Sophonia rufofascia</i>	Cut flowers	Quar	2
Black-headed ant <i>Tapinoma melanocephalum</i>	Cut flowers	Quar	2
White-footed ant <i>Technomyrmex albipes</i>	Cut flowers Ginger	Quar	18
Tortoise scale <i>Toumeyella</i> sp. nov.	<i>Erythrina</i> sp.	Pub	2
Slug <i>Veronicella</i> sp.	Herbs Taro leaves	Quar	6
Little fire ant <i>Wasmannia auropunctata</i>	Kenepas fruits	Quar	2
Cuban snail <i>Zachrysis provisoria</i>	Ficus <i>Spathiphyllum</i>	Quar	<u>6</u>
			<u>258</u>

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

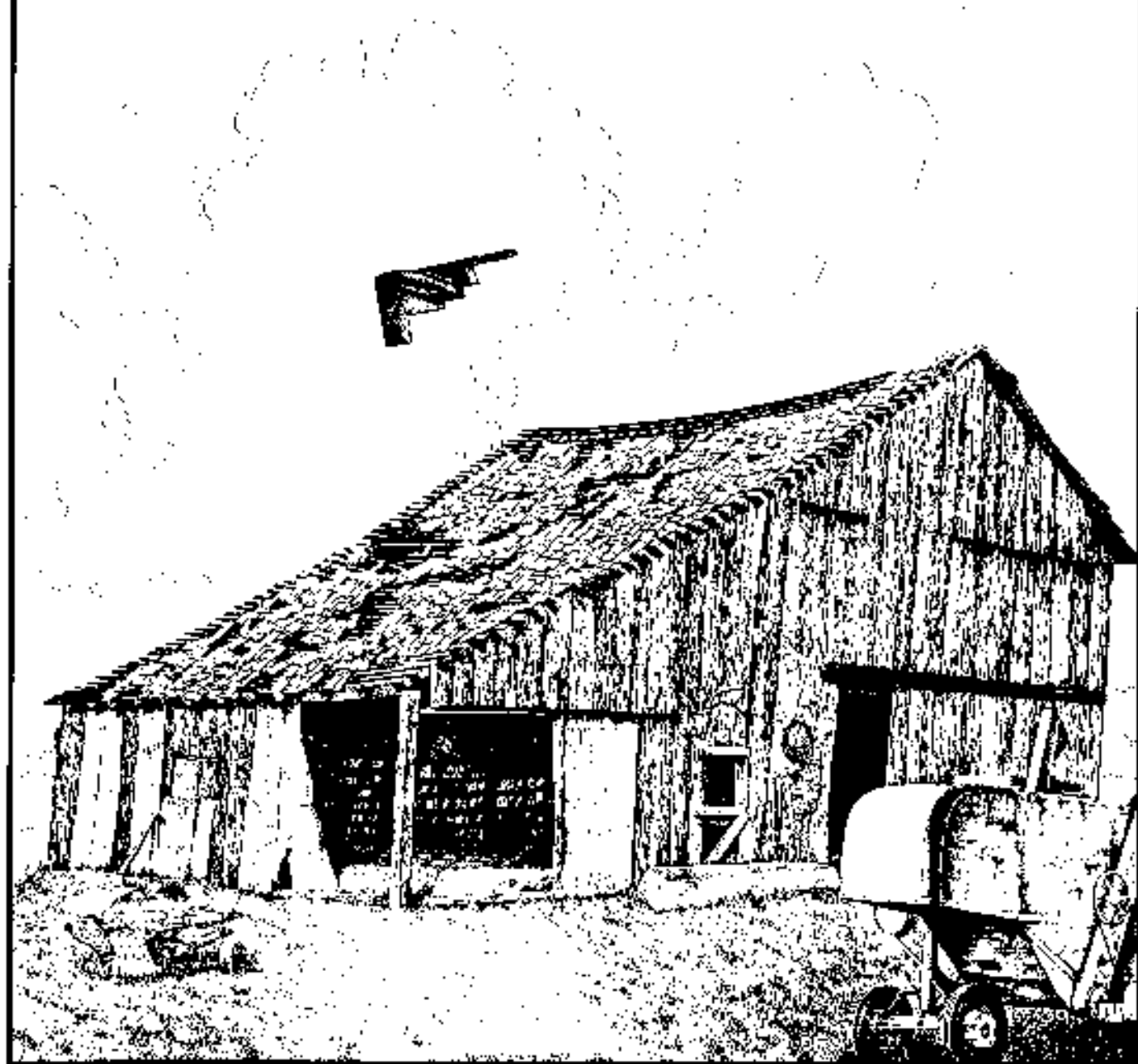


**Los Angeles County Agricultural Commissioner /
Weights and Measures Department
3400 La Madera Avenue
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In accordance with the provisions of Section 2272 of the California Food and Agricultural Code, it is with pleasure that I submit the 1996 Crop Report on the acreage, yield, and gross value of agricultural commodities produced in Los Angeles County.

The overall gross value of agricultural crops and products for 1996 is estimated to be \$222,238,450. This represents a 5.9% increase from the estimated \$209,850,749 for 1995.

Nursery Products continues as the leading gross value commodity category with an increase of over 5%. Small increases also occurred in Vegetable, Fruit and Nuts, and Field Crops. Sweet corn acreage more than doubled and carrot acreage increased in the Antelope Valley from 549 acres in 1995 to 2,328 acres in 1996. Production of Cut Flowers and Decoratives decreased due to the large influx of competing imports.

The production values in this report represent gross values and do not reflect the cost of production. I wish to express my sincere appreciation to all the nursery owners, growers, governmental and private agencies who provided the information necessary for this report.

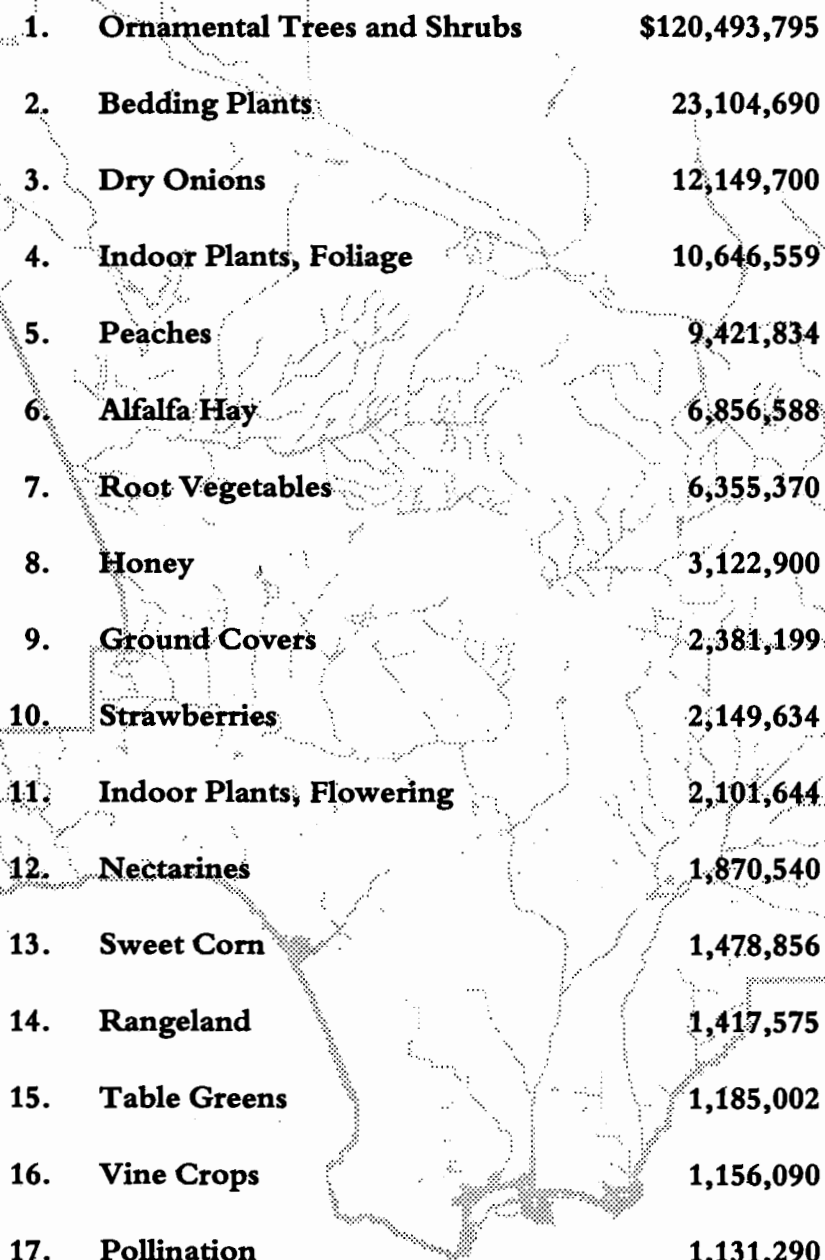
Respectfully submitted,

E. Leon Spaugy
Agricultural Commissioner/
Director of Weights and Measures

*"The first and most respectable
of all the arts is agriculture."*

Rousseau

Million Dollar Crops



1.	Ornamental Trees and Shrubs	\$120,493,795
2.	Bedding Plants	23,104,690
3.	Dry Onions	12,149,700
4.	Indoor Plants, Foliage	10,646,559
5.	Peaches	9,421,834
6.	Alfalfa Hay	6,856,588
7.	Root Vegetables	6,355,370
8.	Honey	3,122,900
9.	Ground Covers	2,381,199
10.	Strawberries	2,149,634
11.	Indoor Plants, Flowering	2,101,644
12.	Nectarines	1,870,540
13.	Sweet Corn	1,478,856
14.	Rangeland	1,417,575
15.	Table Greens	1,185,002
16.	Vine Crops	1,156,090
17.	Pollination	1,131,290
18.	Avocados	1,094,770

Summary

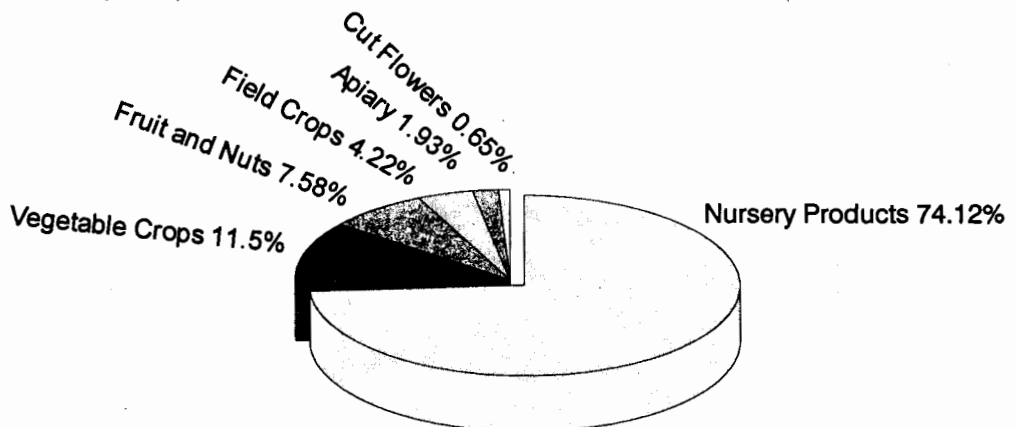
<u>Commodity</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>
Nursery Products	151,726,383	154,687,653	164,633,028
Vegetable Crops	18,836,679	24,351,803	25,546,133
Fruit and Nuts	17,908,041	15,825,717	16,825,475
Field Crops	9,078,067	9,359,298	9,369,999
Apiary, Livestock and Poultry Products	9,153,507	3,227,350 *	4,277,690 *
Livestock and Poultry	7,335,447	-- **	-- **
Cut Flowers and Decoratives	1,898,573	2,221,078	1,452,564
Subtotal	215,936,697	209,672,899	222,104,889
Forest Products	177,415	177,850	133,561
Grand Total	\$216,114,112	\$209,850,749	\$222,238,450

* Excludes livestock and poultry products.

** Figures are not available due to budget cuts in L.A. County Veterinary Services.

CROP VALUE SUMMARY

Total Value \$222,238,450



Nursery Products

<u>Item</u>	<u>Year</u>	<u>Green House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total Value</u>
Ornamental Trees and Shrubs	1996	6,831,056	1,818.7	\$120,493,795
	1995	5,254,372	1,679.7	106,452,568
Bedding Plants	1996	680,150	99.8	23,104,690
	1995	1,018,898	155.5	32,934,000
Indoor Plants, Foliage	1996	1,384,300	17.9	10,646,559
	1995	955,390	16.2	8,637,265
Ground Covers	1996	836,200	42.8	2,381,199
	1995	674,080	41	1,560,500
Indoor Plants, Flowering	1996	291,240	7.3	2,101,644
	1995	106,786	5	1,296,900
Miscellaneous	1996	3,143,833	310.9	5,905,141
	1995	3,782,630	237.3	3,806,420
Includes vegetable plants, orchids, cacti, and sod.				
TOTAL	1996	13,166,779	2,297.4	\$164,633,028
	1995	11,792,156	2,134.6	154,687,653

Vegetable Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Production</u>		<u>Unit</u>	<u>Value</u>	
			<u>Per Acre</u>	<u>Total</u>		<u>Per Unit</u>	<u>Total</u>
Dry Onions	1996	1,523.5	22.25	33,909	Ton	\$347	\$12,149,700
	1995	1,669	24.96	41,658		280	11,665,900
Sweet Corn	1996	504	6.10	3,075	Ton	480	1,478,856
	1995	155	5.94	920		371	341,754
Table Greens	1996	216	Includes Oriental specialties and leaf lettuce.				1,185,002
	1995	200					1,927,062
Vine Crops	1996	248	Includes pumpkins, melons and tomatoes.				1,156,090
	1995	240					1,087,520
Root Vegetables	1996	2,328	Includes beets and carrots.				6,355,370
	1995	549					6,494,918
Miscellaneous	1996	174	Includes herbs and green onions.				3,221,115
	1995	174					2,834,649
TOTAL	1996	4,994.5					\$25,546,133
	1995	2,987					24,351,803

Fruit and Nut Crops

<u>Crop</u>	<u>Year</u>	<u>Production</u>			<u>Unit</u>	<u>Value</u>	
		<u>Acres</u>	<u>Per Acre</u>	<u>Total</u>		<u>Per Unit</u>	<u>Total</u>
Peaches	1996	650	7.15	4,763	Ton	\$763	\$9,421,834
	1995	732	13.00	9,506		910	8,651,480
Nectarines	1996	110	14.75	1,870	Ton	1,040	1,870,540
	1995	110	19.71	2,171		1,000	2,170,600
Strawberries	1996	186	22.53	2,600	Ton	1,442	2,149,634
	1995	162	14.53	2,354		875	2,060,534
Avocados	1996	153	7.46	804	Ton	1,207	1,094,770
	1995	174	4.35	757		1,301	985,160
Apples	1996	70	7.25	631	Ton	1,030	631,457
	1995	70	8.49	597		900	537,000
Plums	1996	28	11	308	Ton	1,300	400,461
	1995	28	11	308		1,300	400,400
Cherries	1996	140	.75	105	Ton	2,500	262,500
	1995	140	.95	133		2,500	332,500
Miscellaneous	1996	220	Includes citrus, and other fruits and nuts.				994,279
	1995	197					688,043
TOTAL	1996	1,557					\$16,825,475
	1995	1,613					15,825,717

Field Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Per Acre</u>	<u>Production</u>		<u>Value</u>	
				<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Alfalfa Hay	1996	5,566	7.80	47,714	Ton	\$110	\$6,856,588
	1995	5,480	8.71	47,720		129	6,171,080
Grain Hay	1996	1,900	2.50	4,100	Ton	95	435,500
	1995	2,958	2.11	6,256		106	660,200
Barley	1996	2,887	1.60	3,329	Ton	109	297,955
	1995	2,890	0.71	2,066		130	267,648
Miscellaneous	1996	982 *	Value includes sudan hay, oat hay, wheat grain, irrigated pasture and grazing privileges on stubble. * Excluding stubble.				362,381
	1995	1,097 *					412,832
Rangeland	1996	200,370					1,417,575
	1995	240,335					1,847,538
TOTAL	1996	11,335 **	** Excluding rangeland and stubble.				\$9,369,999
	1995	12,425 **					9,359,298

Apiary Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Value</u>	
				<u>Per Unit</u>	<u>Total</u>
Honey	1996	3,674,000	Lb.	\$.85	\$3,122,900
	1995	4,185,000		.51	2,134,350
Pollination	1996	27,260	Hive	41.50	1,131,290
	1995	29,000		37.00	1,073,000
Beeswax	1996	11,750	Lb.	2.00	23,500
	1995	12,500		1.60	20,000
Total	1996				\$4,277,690
	1995				3,227,350

Cut Flowers and Decoratives

<u>Item</u>	<u>Year</u>	<u>Green House Sq. Ft.</u>	<u>Field Acres</u>	<u>Quantity</u>		<u>Value</u>	
				<u>Sold</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Christmas Trees	1996		107	20,659	Tree	\$31.66	\$687,816
	1995		111	22,766		34.39	782,892
Carnations	1996		1	200,000	Bloom	.20	40,000
	1995		2.83	806,005		.22	178,410
Chrysanthemums	1996	19,600	4				71,322
	1995	18,096	3				53,926
Miscellaneous	1996	168,480	62.04	Includes orchids, ranunculus,			653,425
	1995	512,200	78.74	pompoms, and all other cut flowers.			1,205,850
TOTAL	1996	188,080	174.04				\$1,452,563
	1995	530,296	195.57				2,221,078

Forest Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Price</u>	<u>Value</u>
Firewood	1996	803	Cord	\$30.00	\$24,090
	1995	1,200		30.00	36,000
Timber	1996				109,471
	1995	Miscellaneous Products.			141,850
TOTAL	1996				\$133,561
	1995				177,850

Sustainable Agriculture Reporting

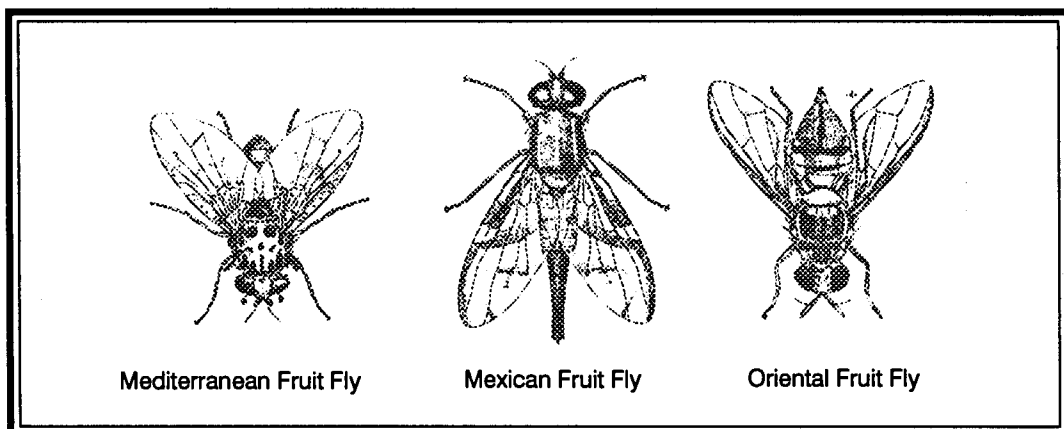
ORGANIC FARMING STATISTICS

<u>Crop</u>	<u>Estimated Acres</u>	
	<u>1995</u>	<u>1996</u>
Apples	8	8
Avocados	6	7
Peaches	14	10
Herbs (including sprouts)	55	56
Grapes	-	25
Cherries	19	19
Nectarines	5	4
Asian Pears	8	8
Pears	5	4
Vegetables (including Oriental & lettuce)	28	29
Misc. Trees	17	17
Total	165	187

	<u>Farms</u>	<u>Acres</u>
1996	22	187
1995	21	165

Pest Detection Activities

<u>Pest</u>	<u>Number of Traps</u>		<u>Specimens Trapped</u>
	<u>Pest Detection</u>	<u>Pest Eradication</u>	
Mediterranean Fruit Fly	5,050	0	1
Mexican Fruit Fly	4,900	1,003	3
Oriental Fruit Fly	4,900	200	11
Melon Fly	4,900	0	0
Gypsy Moth	3,500	100	1
Japanese Beetle	3,200	710	3 (LAX)
European Corn Borer	17	0	0
European Pine Shoot Moth	32	0	0
Khapra Beetle	336	0	0
Africanized Honey Bee	42	0	0
TOTAL	26,877	2,013	19



Pest Eradication Activities

<u>Pest</u>	<u>Method</u>	<u>Scope of Program</u>
Mediterranean Fruit Fly	Steriles Released	6,632.48 Million Released
Oriental Fruit Fly	Male Annihilation Treatments	2 Treatment Areas
Mexican Fruit Fly	Exclusion - Quarantine	61 Sq. Miles
Alligatorweed	Gross Area Inspected Herbicide Treatment (Net Area)	5,798 Acres .05 Acre
Halogeton	Mechanical Control and Chemical Treatment	None *

* No plants were found during calendar year 1996.

Biological Control Activities

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Programs</u>
Mediterranean Fruit Fly	(Steriles)	6,632.48 Million Sterile Fruit Flies Released

Pest Exclusion Activities

<u>Pest Exclusion Violations Issued</u>	<u>Number of Violations Issued</u>
Infested/Presume Infested	97
Markings	53
Peach Yellow/Red Suture	45
Caribbean Fruit Fly	38
Plum Curculio/Apple, Blueberry Maggot	38
Ozonium Root Rot	37
Citrus Pests	34
Foreign Fruits and Vegetables	33
Burrowing and Reniform Nematode	15
Peach Rosette Disease	13
Cherry Fruit Fly	9
European Corn Borer	8
Failure to Hold Plant Material For Inspection	6
Citrus Canker	5
Japanese Beetle	5
Mexican Fruit Fly	4
Cereal Leaf Beetle	3
Corn/Sugarcane Borer	2
Cotton Pests	2
Imported Fire Ant	2
Chestnut Bark/Oak Wilt Disease	1
European Pine Shoot Moth	1
Gypsy Moth/Brown Tail Moth	1
Nut Tree Pests	1
Persimmon Root Borer	1
Sugarcane Diseases	1
Sweet Potato Weevil	1
Total	456

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Moth pupa	Lalot	Quar	1
Katydid (larva)	Cut flowers	Quar	1
Long horned grasshopper	Ti	Quar	1
Mirid bug	Lalot	Quar	1
Mirid bug (larva)	Herbs	Quar	1
Moth (larva)	Basil Herbs	Quar	1
Moth larva	Basil	Quar	1
Pyralid moth	Herbs	Quar	1
Snail	Cut flowers	Quar	1
Stink bug (eggs, larvae)	Basil	Quar	1
Stink bug (larva)	Basil	Quar	1
Stink bug eggs (inviabile)	Basil Herbs	Quar	1
Tortoise shell beetle	Leaves	Quar	1
True bugs	Basil Lilac	Quar	1
Wasp larva	Ginger	Quar	1
Whitefly	Sweet basil	Quar	1
Cyanophyllum scale <i>Abgrallaspis</i> sp.	<i>Neoregalia</i>	Quar	2
Chinese rose beetle <i>Adoretus sinicus</i>	<i>Dracaena</i> Herbs	Quar	4
Whitefly <i>Aleurocerus</i> sp.	Betle leaves Lalot	Quar	6

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Whitefly (eggs only)	Herbs	Quar	6
Spiraling whitefly <i>Aleurodicus dispersus</i>	Basil Betle leaves <i>Chamaedorea</i> <i>Chamaedorea seifrizi</i> Cut flowers Ginger Herbs Lalot leaf Lilac Orchids Palm frond <i>Strelitzia</i> Tai leaf Ti <i>Xanthosoma</i>	Quar	76
Spiraling whitefly (egg tracks) <i>Chamaedorea seifrizi</i>	Betle leaves	Quar	76
Spiraling whitefly (eggs)	Betle leaves	Quar	76
Giant whitefly <i>Aleurodicus dugesi</i>	Iris Banana Apricot Mulberry	Pub	4
Woolly whitefly <i>Aleurothrixus floccosus</i>	Citrus Guava Mango Ginger Mexican guava	Pub Nurs Quar	18
A whitefly <i>Aleurotrachelus</i> sp.	Basil Betle leaves	Quar	6
Mexican leafroller <i>Amorbia emigratella</i>	Herbs	Quar	2
Mexican fruit fly <i>Anastrepha ludens</i>	Grapefruit Guava Mango	Det	6

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Fruit fly (larva) <i>Anastrepha</i> sp.	Green mango	Quar	2
Caribbean fruit fly <i>Anastrepha suspensa</i>	Green mango	Quar	2
Ant <i>Anoplolepis longipes</i>	<i>Rhapis</i>	Quar	2
Oriental scale <i>Aonidiella orientalis</i>	<i>Tamarindus indica</i>	Quar	2
Coconut scale <i>Aspidiotus destructor</i>	<i>Chrysalidocarpus</i> Cut flowers	Quar	6
Oriental fruit fly <i>Bactrocera dorsalis</i>	Apricot Grapefruit Lemon Orange Loquat Nectarine Ornamental tree Fig	Det	20 4
Oriental fruit fly larvae <i>Bactrocera</i> sp.	Papaya	Quar	
Ant <i>Brachymyrmex</i> sp.	Ginger	Quar	2
Snail <i>Bradybaena similaris</i>	Aquatic plants Areca palm <i>Ficus elastica</i> <i>Spathiphyllum</i> <i>Strelitzia</i>	Quar	18
Florida carpenter ant <i>Camponotus abdominalis</i>	Longan	Quar	2
Carpenter ant <i>Camponotus</i> sp.	Ginger	Quar	2
Flying ant <i>Camponotus variegatus</i>	Basil	Quar	2

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Red wax scale <i>Ceroplastes rubens</i>	Cut flowers Ginger <i>Ravenea rivularis</i>	Quar	6
Green garden looper <i>Chrysodeixis eriosoma</i>	Basil	Quar	2
Dictyosperm scale <i>Chrysomphalus dictyospermi</i>	<i>Tamarindus indica</i>	Quar	4
Slender soft scale <i>Coccus acutissimus</i>	<i>Cycas revoluta</i> <i>Euphoria longana</i>	Quar	4
Anthurium whitefly <i>Crenidorsum</i> sp.	<i>Anthurium</i>	Quar	2
Leafhopper <i>Gyponana germani</i>	Herbs	Quar	2
Leucaena psyllid <i>Heteropsylla cubana</i>	<i>Leucaena</i>	Nurs	2
Glassy-winged leafhopper <i>Homalodisca coagulata</i>	Orange <i>Euonymus</i> <i>Ficus</i> <i>Ficus nitida</i> Guava <i>Ulmus</i>	Det Nurs Pub	14
Mining scale <i>Howardia biclavis</i>	<i>Ficus benjamina</i>	Quar	6
Leafminer fly <i>Liriomyza sativae</i> or near	Melungai	Quar	2
Gypsy moth <i>Lymantria dispar</i>	<i>Pinus</i> Trailer	Det Quar	4
Scale <i>Malleolaspis</i> sp.	Palm seedling	Quar	2
Tetranychid mite <i>Mononychellus caribbeanae</i>	<i>Erythrina</i> (coral tree)	Nurs	2

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Perseae mite <i>Oligonychus perseae</i>	Avocado	Det Pub Nurs	6
Snail <i>Opeas</i> sp. or near	Neodypsis palms	Quar	2
Orchid weevil <i>Orchidophilus aterrimus</i>	Orchids	Quar	2
Mirid bug <i>Orthotylus</i> sp.	Cut flowers	Quar	4
Mealybug	<i>Ficus rubiginosa</i>	Nurs	4
Nesting whitefly <i>Paraleyrodes minei</i>	Avocado Citrus Guava	Pub Nurs	8
Bigheaded ant <i>Pheidole megacephala</i>	Basil Lilac Cut flower <i>Dracaena marginata</i> Ginger Herbs Neodypsis palms	Quar	24
A soft scale <i>Philephedra tuberculosa</i>	<i>Euphoria longana</i>	Quar	2
Boxwood scale <i>Pinnaspis buxi</i>	Ginger	Quar	2
Lesser snow scale <i>Pinnaspis strachani</i>	<i>Chamaedorea seifrizii</i> Cut flowers <i>Cycas revoluta</i> <i>Dracaena</i> <i>Dracaena warnecki</i> Ginger <i>Nolina</i> sp. Ti	Quar	20

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
A leafroller <i>Platynota</i> sp.	Basil	Quar	2
Japanese beetle <i>Popillia japonica</i>	Flowers Turf Ornamental tree	Det	6
Pyriform scale <i>Protopulvinaria pyriformis</i>	<i>Lauris nobilis</i>	Nurs	4
Magnolia white scale <i>Pseudaulacaspis cockerelli</i>	Areca palm Bird of paradise Cut flowers <i>Cycas revoluta</i> Ginger <i>Heliconia</i> Lalot Malangai leaves <i>Mangifera indica</i> Palm frond <i>Phoenix roebelenii</i> <i>Ravenea rivularis</i> <i>Strelitzia</i> Unknown host	Quar Nurs	66
Banana mealybug <i>Pseudococcus elisae</i>	<i>Tamarindus indica</i>	Quar	2
Soft scale <i>Pseudokermes</i> sp.	Ginger	Quar	2
Cottony maple scale <i>Pulvinaria innumerabilis</i>	<i>Euphoria longana</i>	Quar	2
Green shield scale <i>Pulvinaria psidii</i>	Brazilian pepper Gardenia	Pub Nurs	4
Soil mealybug <i>Rhizoecus hibisci</i>	<i>Rhapis</i> Cut flowers Taro stem	Quar	4
Burrowing bug <i>Rhytidoptopus identatus</i>	Cut flowers	Quar	2

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Avocado thrips <i>Scirtothrips</i> sp.	Avocado (Hass)	Det	2
Rufous scale <i>Selenaspilus articulatus</i>	Ginger	Quar	2
Torpedo bug (larvae) <i>Siphanta acuta</i>	<i>Ficus benjamina</i>	Nurs	8
Torpedo bug egg mass <i>Siphanta acuta</i>	Basil Lilac <i>Cycas revoluta</i> <i>Protea</i>	Quar	8
Two spotted leafhopper <i>Sophonia rufofascia</i>	Guava Tristania	Nurs	4
A snail <i>Subulina octona</i>	<i>Schefflera</i>	Quar	2
Longhorned beetle <i>Sybra alternans</i>	Basil	Quar	4
Blackheaded ant <i>Tapinoma melanocephalum</i>	Cut flowers <i>Dracaena massangeana</i> Ginger Orchids	Quar	8
Whitefooted ant <i>Technomyrmex albipes</i>	Cut flowers Ginger Ti	Quar	16
Lantana lace bug <i>Teleonemia scrupulosa</i>	<i>Lantana camara</i>	Det	2
Artichoke fly <i>Terellia fuscicornis</i>	Unknown host	Pub	2
Slug <i>Veronicella</i> sp.	<i>Dracaena</i> <i>Dracaena massangeana</i> Herbs Taro leaves Ti	Quar	10

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Cuban snail <i>Zachrysia provisoria</i>	<i>Anthurium</i> <i>Ficus benjamina</i> Miscellaneous	Quar	6
		TOTAL	<u>512</u>

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



This report was possible only through the cooperation of all the nursery owners, growers, governmental and private agencies, and others who provided the information necessary for its production.

A special acknowledgement and thank you to staff members Raymond Smith, for the pen-and-ink crop report cover, and to David Cassidy and Julia Chen, for the report layout and for compiling and computerizing the statistics.



**Los Angeles County Agricultural Commissioner /
Weights and Measures Department
3400 La Madera Avenue
El Monte, California 91732**



County of Los Angeles

Agricultural Commissioner/Weights and Measures



1997

Crop Report



E. Leon Spaugy
Agricultural Commissioner/
Director of Weights and Measures

COUNTY OF LOS ANGELES

**Department of
Agricultural Commissioner
and Weights and Measures**

3400 La Madera Avenue
El Monte, California 91732

Cato R. Fiksdal
Chief Deputy

**Ann M. Veneman, Secretary
California Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Los Angeles**

Yvonne Brathwaite Burke, Chair - Second District

**Gloria Molina - First District
Zev Yaroslavsky - Third District**

**Don Knabe - Fourth District
Michael D. Antonovich - Fifth District**

It is my pleasure to submit the 1997 Los Angeles County Crop Report. This annual publication presents statistical information on acreage, yield, and gross value of agricultural products produced in Los Angeles County in accordance with Sections 2272 and 2279 of the California Food and Agricultural Code.

The overall gross value of agricultural crops and products produced in Los Angeles County for 1997 is estimated to be **\$237,207,430**. This represents a 6.8% increase from the estimated \$222,238,450 production in 1996.

Los Angeles County continues to rank as the second leading county in the State in the production of nursery plants and products with a gross value of 171.2 million dollars. Nursery production increased more than 4% in 1997. Increases also occurred in vegetable, fruit, nut, and field crops. Carrot acreage in the Antelope Valley continues to increase as more than 1,487 additional acres were planted in 1997.

Although considered a major metropolitan county with 9.5 million residents, Los Angeles County produces more than **25** varieties of crops including 16 million-dollar crops: ornamental plants, carrots, onion, strawberries, peaches, alfalfa hay, vine crops, table greens, honey, sweet corn, and nectarines.

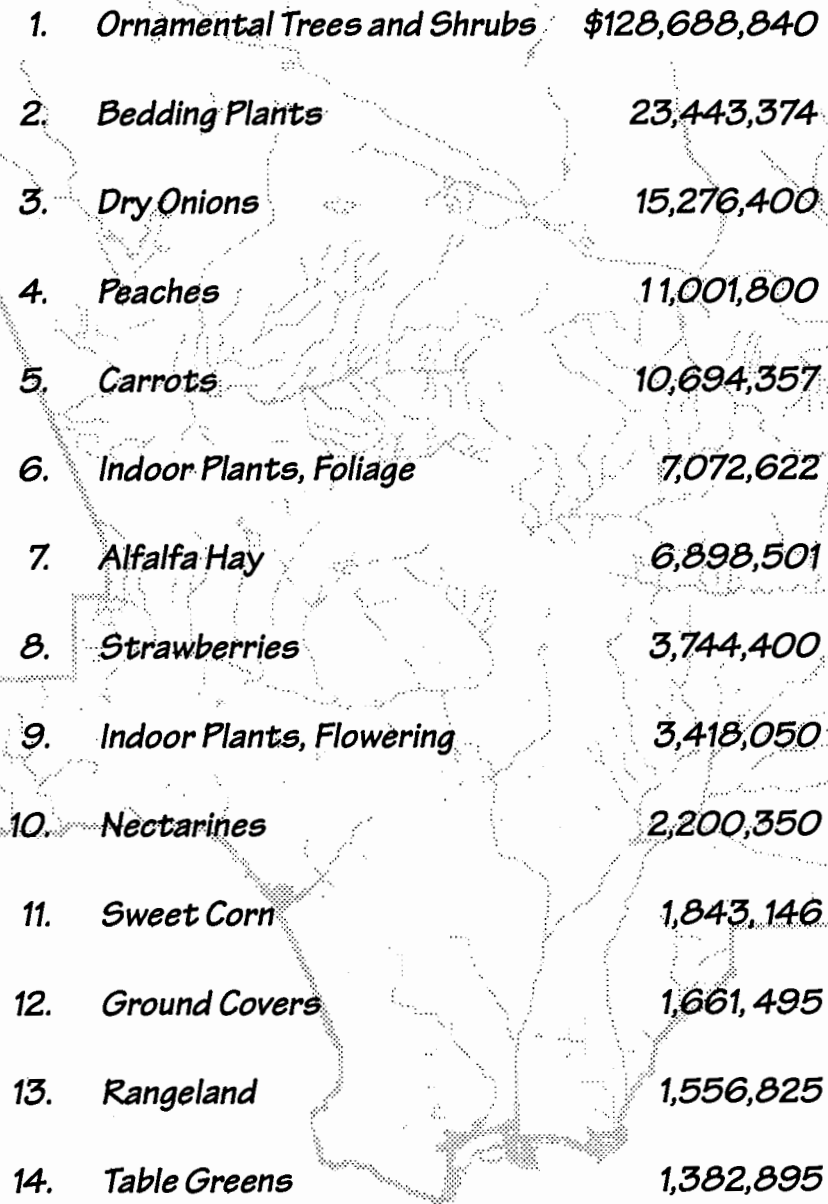
The production values in this report represent gross values and do not reflect the cost of production, net income or loss to producers.

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

Respectfully submitted,

E. Leon Spaugy, Agricultural Commissioner/
Director of Weights and Measures

Million Dollar Crops



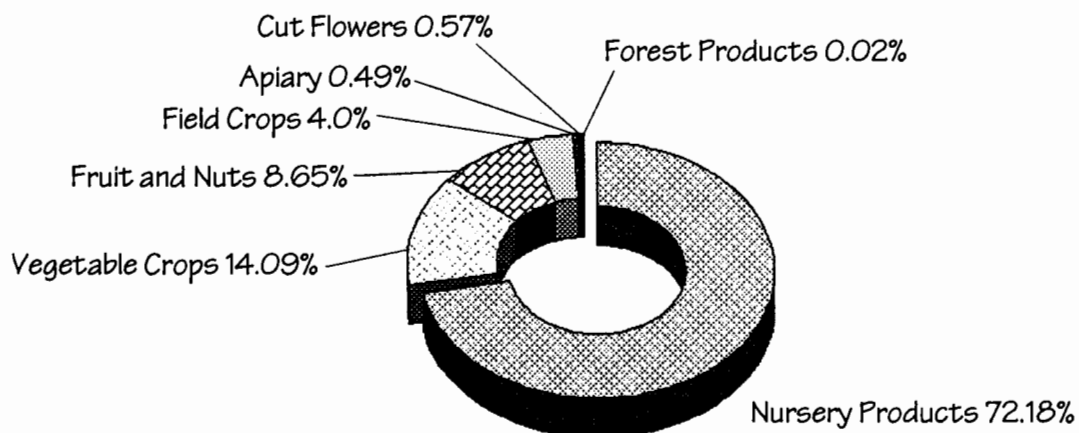
1.	<i>Ornamental Trees and Shrubs</i>	<i>\$128,688,840</i>
2.	<i>Bedding Plants</i>	<i>23,443,374</i>
3.	<i>Dry Onions</i>	<i>15,276,400</i>
4.	<i>Peaches</i>	<i>11,001,800</i>
5.	<i>Carrots</i>	<i>10,694,357</i>
6.	<i>Indoor Plants, Foliage</i>	<i>7,072,622</i>
7.	<i>Alfalfa Hay</i>	<i>6,898,501</i>
8.	<i>Strawberries</i>	<i>3,744,400</i>
9.	<i>Indoor Plants, Flowering</i>	<i>3,418,050</i>
10.	<i>Nectarines</i>	<i>2,200,350</i>
11.	<i>Sweet Corn</i>	<i>1,843,146</i>
12.	<i>Ground Covers</i>	<i>1,661,495</i>
13.	<i>Rangeland</i>	<i>1,556,825</i>
14.	<i>Table Greens</i>	<i>1,382,895</i>
15.	<i>Vine Crops</i>	<i>1,174,841</i>
16.	<i>Honey</i>	<i>1,153,000</i>

Summary

Commodity	1995	1996	1997
Nursery Products	154,687,653	164,633,028	171,220,605
Vegetable Crops	24,351,803	25,546,133	33,414,024
Fruit and Nuts	15,825,717	16,825,475	20,518,449
Field Crops	9,359,298	9,369,999	9,494,247
Apiary	3,227,350	4,277,690	1,164,128
Cut Flowers and Decoratives	2,221,078	1,452,564	1,356,176
Subtotal	209,672,899	222,104,889	237,167,629
Forest Products	177,850	133,561	39,801
Grand Total	\$209,850,749	\$222,238,450	\$237,207,430

Crop Value Summary

Total Value \$237,207,430



Nursery Products

<u>Item</u>	<u>Year</u>	<u>Green House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total Value</u>
Ornamental Trees and Shrubs	1997	7,033,613	1,712	\$128,688,840
	1996	6,831,056	1,818.7	120,493,795
Bedding Plants	1997	1,383,930	113.9	23,443,374
	1996	680,150	99.8	23,104,690
Indoor Plants, Foliage	1997	832,064	3.2	7,072,622
	1996	1,384,300	17.9	10,646,559
Ground Covers	1997	914,085	23.8	1,661,495
	1996	836,200	42.8	2,381,199
Indoor Plants, Flowering	1997	524,100	6.1	3,418,050
	1996	291,240	7.3	2,101,644
Miscellaneous	1997	3,043,694	325.6	6,936,223
	1996	3,143,833	310.9	5,905,141
Includes vegetable plants, orchids, cacti, and sod.				
TOTAL	1997	13,731,486	2,184.6	\$171,220,605
	1996	13,166,779	2,297.4	164,633,028

Vegetable Crops

Crop	Year	Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Dry Onions	1997	1,932	24.81	47,930	Ton	\$319	\$15,276,400
	1996	1,523.5	22.25	33,909		347	12,149,700
Carrots	1997	3,811	34.9	133,153	Ton	80	10,694,357
	1996	2,324	33.1	76,899		83	6,347,922
Sweet Corn	1997	453	8.45	3,826	Ton	\$482	1,843,146
	1996	504	6.10	3,075		480	1,478,856
Table Greens	1997	292	Includes leaf lettuce, spinach and Oriental specialties.				1,382,895
	1996	216					1,185,002
Vine Crops	1997	270	Includes pumpkins, cucumbers and tomatoes.				1,174,841
	1996	248					1,156,090
Root Vegetables	1997	11	Includes leeks and turnips (not carrots).				52,769
	1996	5					21,148
Miscellaneous	1997	331	Includes herbs, broccoli and edible flowers.				2,989,616
	1996	174					3,221,115
TOTAL	1997	7,100					\$33,414,024
	1996	4,995					\$25,559,833

Fruit and Nut Crops

Crop	Year	Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Peaches	1997	651	16.90	11,002	Ton	\$1,000	\$11,001,800
	1996	650	15.00	9,752		966	9,421,834
Nectarines	1997	110	18.14	2,000	Ton	1,100	2,200,350
	1996	110	14.75	1,870		1,040	1,870,540
Strawberries	1997	148	23.00	3,404	Ton	1,100	3,744,400
	1996	186	22.53	2,600		1,442	2,149,634
Avocados	1997	153	4.10	627	Ton	1,400	878,220
	1996	153	7.46	804		1,207	1,094,770
Apples	1997	71	8.95	631	Ton	1,396	880,600
	1996	70	7.25	631		1,030	631,457
Plums	1997	28	12.00	336	Ton	1,190	400,150
	1996	28	11.00	308		1,300	400,461
Cherries	1997	140	1.00	144	Ton	3,472	500,000
	1996	140	.75	105		2,500	262,500
Miscellaneous	1997	218	Includes citrus, and other fruits and nuts.				912,929
	1996	220					994,279
TOTAL	1997	1,519					\$20,518,449
	1996	1,557					16,825,475

Field Crops

<u>Crop</u>	<u>Year</u>	<u>Acreage</u>	<u>Per Acre</u>	<u>Production</u>		<u>Value</u>	
				<u>Total</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Total</u>
Alfalfa Hay	1997	5,465	8.45	46,196	Ton	\$149	\$6,898,501
	1996	5,566	7.80	47,714		110	6,856,588
Grain Hay	1997	2,742	1.95	5,338	Ton	116	619,632
	1996	1,900	2.50	4,100		95	435,500
Barley	1997	45	2.3	104	Ton	100	10,350
	1996	2,887	1.60	3,329		109	297,955
Miscellaneous	1997	1,191 *	Value includes sudan hay, irrigated pasture and grazing privileges on stubble.				408,939
	1996	982 *					362,381
Rangeland	1997	250,182					1,556,825
	1996	200,370					1,417,575
TOTAL	1997	9,443 **					\$9,494,247
	1996	11,335 **					9,369,999

* Excluding stubble.

** Excluding rangeland and stubble.

Cut Flowers and Decoratives

Item	Year	Green House Sq. Ft.	Field Acres	Quantity		Value	
				Sold	Unit	Per Unit	Total
Christmas Trees	1997		63	16,454	Tree	\$28.23	\$464,508
	1996		107	20,659		31.66	687,816
Lilacs	1997		50	31,250	Bunch	8.00	250,000
	1996		30	10,500		8.00	100,000
Chrysanthemums	1997	25,000	2				132,568
	1996	19,600	4				71,322
Pompom	1997	100,000		16,639	Bunch	6.70	111,481
	1996	97,000		15,557		6.60	102,676
Miscellaneous	1997	41,500	72.58	Includes snapdragon, gypsophila, carnation, delphinium, and all other cut flowers.			397,619
	1996	71,480	64.87				490,749
TOTAL	1997	166,500	187.58				\$1,356,176
	1996	285,080	174.04				1,452,563

Apiary Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Value</u>	
						<u>Total</u>
Honey	1997	1,518,000	Lb.	\$.76	\$1,153,000	
	1996	3,674,000		.85	3,122,900	
Beeswax	1997	4,550	Lb.	\$2.13	\$9,700	
	1996	11,750		2.00	23,500	
Pollination	1997	42	Hive	\$34.00	\$1,428	
	1996	27,260		41.50	1,131,290	
Total	1997				* \$1,164,128	
	1996				4,277,690	

* Reduction due to adjustment in state-wide accounting practices.

Forest Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Price</u>	<u>Value</u>
Plantation Christmas Trees	1997	33,168	Linear ft.	\$1.20	\$39,801
	1996	91,249			109,471

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

* No timber or firewood reported in 1997

Sustainable Agriculture Reporting

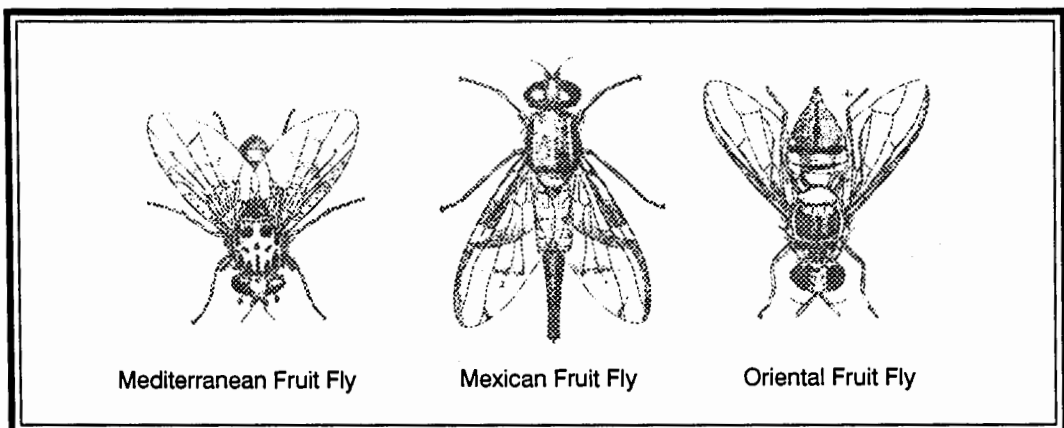
ORGANIC FARMING STATISTICS

<u>Crop</u>	<u>Estimated Acres</u>	
	<u>1997</u>	<u>1996</u>
Apples	5	8
Avocados	11	7
Peaches	10	10
Herbs (including sprouts)	56	56
Grapes	25	25
Cherries	19	19
Nectarines	4	4
Asian Pears	8	8
Pears	2	4
Vegetables (including Oriental & lettuce)	29	29
Misc. Trees	17	17
	<hr/>	<hr/>
Total	186	187
	<hr/> <hr/>	<hr/> <hr/>

	<u>Farms</u>	<u>Acres</u>
1997	20	186
1996	22	187

Pest Detection Activities

Pest	Number of Traps		Specimens Trapped
	Pest Detection	Pest Eradication	
Mediterranean Fruit Fly	5,087	154	23 Adults
Mexican Fruit Fly (Caribbean Fruit Fly)	5,016	1,969 (338)	5 Adults (1 Adult)
Oriental Fruit Fly	5,040	1,276	69 Adults
Melon Fly	5,043	576	1 Adult
Gypsy Moth	3,703	0	0
Japanese Beetle	2,917	0	0
European Corn Borer	8	0	0
European Pine Shoot Moth	15	0	0
Khapra Beetle	336	0	0
Africanized Honey Bee	67	0	0
Apple Maggot	64	0	0
TOTAL	27,296	4,313	99



Pest Eradication Activities

<u>Pest</u>	<u>Method</u>	<u>Scope of Program</u>
Mediterranean Fruit Fly	Steriles Released Ground Based Foliar Malathion Treatments Gound Based Soil Diazinon Treatments Quarantine Fruit Stripping Fruit Removal	15,638 Million Released 7,547 Properties Treated 100 Properties Treated 69 Sq. Miles 351 Properties 73 Properties, 10,599 Pounds
Oriental Fruit Fly	Male Annihilation Treatments Two Quarantines	8 Treatment Areas 101 and 61 Sq. Miles
Mexican Fruit Fly	Sterilies Released Ground Based Foliar Malathion Treatments Gound Based Soil Diazinon Treatments Quarantine	32 Million Released 178 Properties Treated 5 Properties Treated 62 Sq. Miles
Alligatorweed	Gross Area Inspected Herbicide Treatment (Net Area)	5,798 Acres .05 Acre
Halogeton	Mechanical Control and Chemical Treatment	None *

* No plants were found during calendar year 1997.

Biological Control Activities

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Programs</u>
Mediterranean Fruit Fly	(Steriles)	6,632.48 Million Sterile Fruit Flies Released
Mexican Fruit Fly	(Sterilies)	32 Million Released

Pest Exclusion Activities

<u>Pest Exclusion Violations Issued</u>	<u>Number of Violations Issued</u>
Infested/Presume Infested	163
Markings	88
Citrus Pests	51
Caribbean Fruit Fly	50
Burrowing and Reniform Nematode	17
Plum Curculio and Blueberry Maggot	13
Ozonium Root Rot	8
Walnut and Pecan Pests	6
Cherry Fruit Fly	5
Mexican Fruit Fly	4
Japanese Beetle	3
Imported Fire Ant	3
Colorado Potato Beetle	2
Persimmon Root Borer	2
European Corn Borer	2
Cedar-Apple Rust	1
Citrus Tristeza Virus	1
Cotton Pests	1
Hydrilla	1
Infested (Intrastate)	1
Mediterranean Fruit Fly	1
Peach Tree Diseases	1
Sweet Potato Weevil	1
	<hr/>
Total	425

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Aphid	Guava	Quar	1
Moth (larva)	Longan	Quar	1
Moth eggs	Ti leaves	Quar	1
Stink bug (eggs)	Basil Ginger Taro	Quar	1
Citrus blackfly <i>Aleurocanthus woglumi</i>	<i>Mangifera indica</i>	Quar	2
Spiraling Whitefly <i>Aleurodicus dispersus</i>	Bamboo palm Basil Betel leaves <i>Chamaedorea seifrizi</i> Herbs Malangai leaves Philodendron <i>Rhapis</i> Ti leaves	Quar	54
A whitefly <i>Aleuropleurocelus</i> sp.	Guava	Nurs	2
Woolly Whitefly <i>Aleurothrixus floccosus</i>	Citrus (lemon) Citrus (orange) Guava Manilkara Zapota	Det Pub Nurs Quar	12

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Mexican Fruitfly <i>Anastrepha ludens</i>	Citrus (grapefruit) Citrus (lemon) Sapote	Det	10
Caribbean Fruitfly <i>Anastrepha suspensa</i>	Citrus (orange)	Det	2
Coconut scale <i>Aspidiotus destructor</i>	Betle leaves	Quar	2
Melon Fruitfly <i>Bactrocera cucurbitae</i>	Peach	Det	2
Oriental Fruitfly <i>Bactrocera dorsalis</i> complex	Apple Apricot Citrus (grapefruit) Citrus (lemon) Citrus (orange) Citrus (tangerine) Eucalyptus Fig Guava Hibiscus Olive Ornamental tree Peach Sapote Avocado Feijoa	Det	92
Snail <i>Bradybaena similaris</i>	Areca palm <i>Chamaedorea</i> Soil <i>Chrysalidocarpus</i> <i>Cordyline terminalis</i>	Quar	64

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
	<i>Dracaena</i>		
	Ficus		
	<i>Ficus benjamina</i>		
	<i>Ficus robusta</i>		
	<i>Nephrolepis brassaia</i>		
	<i>Nolina recurvata</i>		
	<i>Phoenix roebelenii</i>		
	<i>Ravenea rivularis</i>		
	<i>Schefflera</i>		
	<i>Spathiphyllum</i>		
	Wing beans		
Carpenter ant <i>Camponotus floridanus</i>	Spathiphyllum <i>Litchi chinensis</i>	Quar Nurs	2
Medfly <i>Ceratitis capitata</i>	Citrus (grapefruit) Citrus (orange) Guava Peach	Det	60
Green scale <i>Coccus viridis</i>	Bamboo palm <i>Chamaedorea seifrizi</i>	Nurs Quar	4
Black stink bug <i>Coptosoma xanthogramma</i>	Malangai leaves	Quar	2
Leafhopper <i>Empoasca guevarai</i> or nr	<i>Platanus</i>	Nurs	2
Striped Mealybug <i>Ferrisia virgata</i>	<i>Dracaena concinna</i>	Quar	2

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Coffee root mealybug <i>Geococcus coffeae</i>	<i>Chamaedorea seifrizi</i>	Quar	2
Snail <i>Lamellaxis</i> sp.	<i>Phoenix roebelenii</i> <i>Spathiphyllum</i>	Quar	8
A cricket	<i>Dracaena marginata</i>	Quar	8
Southern green stink bug <i>Nezara viridula</i>	Basil	Quar	4
Mealybug (Undescribed) <i>Nipaecoccus</i> sp.	Palm frond Queen palm	Nurs	10
Big headed ant <i>Pheidole megacephala</i>	Basil Betel leaves Cut flowers Ginger Orchids <i>Phoenix roebelenii</i>	Quar	20
Lesser snow scale <i>Pinnaspis strachani</i>	<i>Annona cherimola</i> <i>Chamaedorea seifrizi</i> <i>Dracaena</i> <i>Dracaena</i> Janet Craig <i>Dracaena marginata</i> <i>Dracaena</i> Michiko <i>Dracaena</i> sp. <i>Dracaena warnecki</i> Ginger <i>Murraya paniculata</i> <i>Rhapis</i>	Quar Nurs	44

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Pyriform scale <i>Protopulvinaria pyriformis</i>	Bay leaves Gardenia <i>Umbellularia californica</i>	Nurs	8
Magnolia white scale <i>Pseudaulacaspis cockerelli</i>	Areca palm Bird of Paradise <i>Chrysalidocarpus</i> Cut flowers <i>Dracaena massangeana</i> Ginger Palm frond Palm leaf Palm- <i>Trachycarpus</i> <i>Phoenix roebelenii</i> <i>Rhapis</i> <i>Strelitzia</i>	Quar Nurs	42
Green shield scale <i>Pulvinaria psidii</i>	Brazilian pepper Eugenia Ficus <i>Ficus benjamina</i> Gardenia Pepper tree Queen palm	Nurs	32
Soil mealybug <i>Rhizoecus hibisci</i>	Ginger <i>Ravenea rivularis</i> <i>Rhapis</i>	Quar	8
Torpedo bug (larvae) <i>Siphanta acuta</i>	Cut flowers	Quar	2

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Red imported fire ant <i>Solenopsis invicta</i>	Sealed trucks	Quar	10
Two spotted leafhopper <i>Sophonia rufofascia</i>	Calla lily Eugenia Guava Magnolia	Nurs	8
White footed ant <i>Technomyrmex albipes</i>	Betel leaves Cut flowers Guava Longan	Quar	10
Slug <i>Veronicella</i> sp.	<i>Dracaena</i> Polyscias	Quar	8
Cuban snail <i>Zachrysia provisoria</i>	<i>Aglaonema</i> <i>Ficus robusta</i> <i>Ravenea rivularis</i> <i>Schefflera</i> Wing beans	Quar	14
		TOTAL	556

* Source: Det: Detection

Nurs: Nursery

Pub: Public

Quar: Quarantine



This report was possible only through the cooperation of all the nursery owners, growers, governmental and private agencies, and others who provided the information necessary for its production.

A special acknowledgement and thank you to staff members Mary Anne Nolan and Julia Chen, for the report layout and for compiling and computerizing the statistics.



**Los Angeles County Agricultural Commissioner
Weights and Measures Department
3400 La Madera Avenue
El Monte, California 91732**



County of Los Angeles

Agricultural Commissioner/Weights and Measures



1998 Crop Report



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner and Weights and Measures

Robert G. Atkins
Chief Deputy

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

3400 La Madera Avenue
El Monte, California 91732

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

Don Knabe, Chair - Fourth District

Gloria Molina - First District

Zev Yaroslavsky - Third District

Yvonne Brathwaite Burke - Second District

Michael D. Antonovich - Fifth District

1998 CROP REPORT

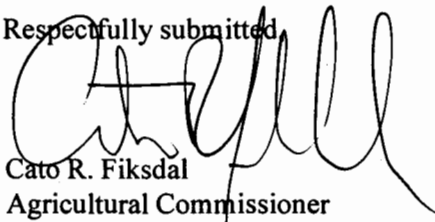
Agricultural production in Los Angeles County continues to rebound. The total value of crops and agricultural products produced in Los Angeles County climbed to **\$260,518,300** in 1998, up 9.5% from a year ago and up 24% from three years ago. Acreage in vegetable crops has been increasing dramatically, primarily in Antelope Valley where acreage increased from just under 3,000 acres three years ago to 8,700 acres today. Overall, nursery products continue to lead the way with a gross value of over \$185 million dollars. Increases were also seen in onions, root vegetables, herbs, table greens, and peaches.

Although considered a major metropolitan county with 9.5 million residents, Los Angeles County produces more than 25 varieties of crops including 17 million-dollar crops: ornamental plants, bedding plants, onions, root vegetables, peaches, foliage indoor plants, alfalfa hay, herbs, strawberries, flowering indoor plants, nectarines, honey, ground covers, rangeland, table greens, vine crops, and grain hay.

The production values in this report represent gross values and do not reflect the cost of production, net income or loss to producers.

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

Respectfully submitted,

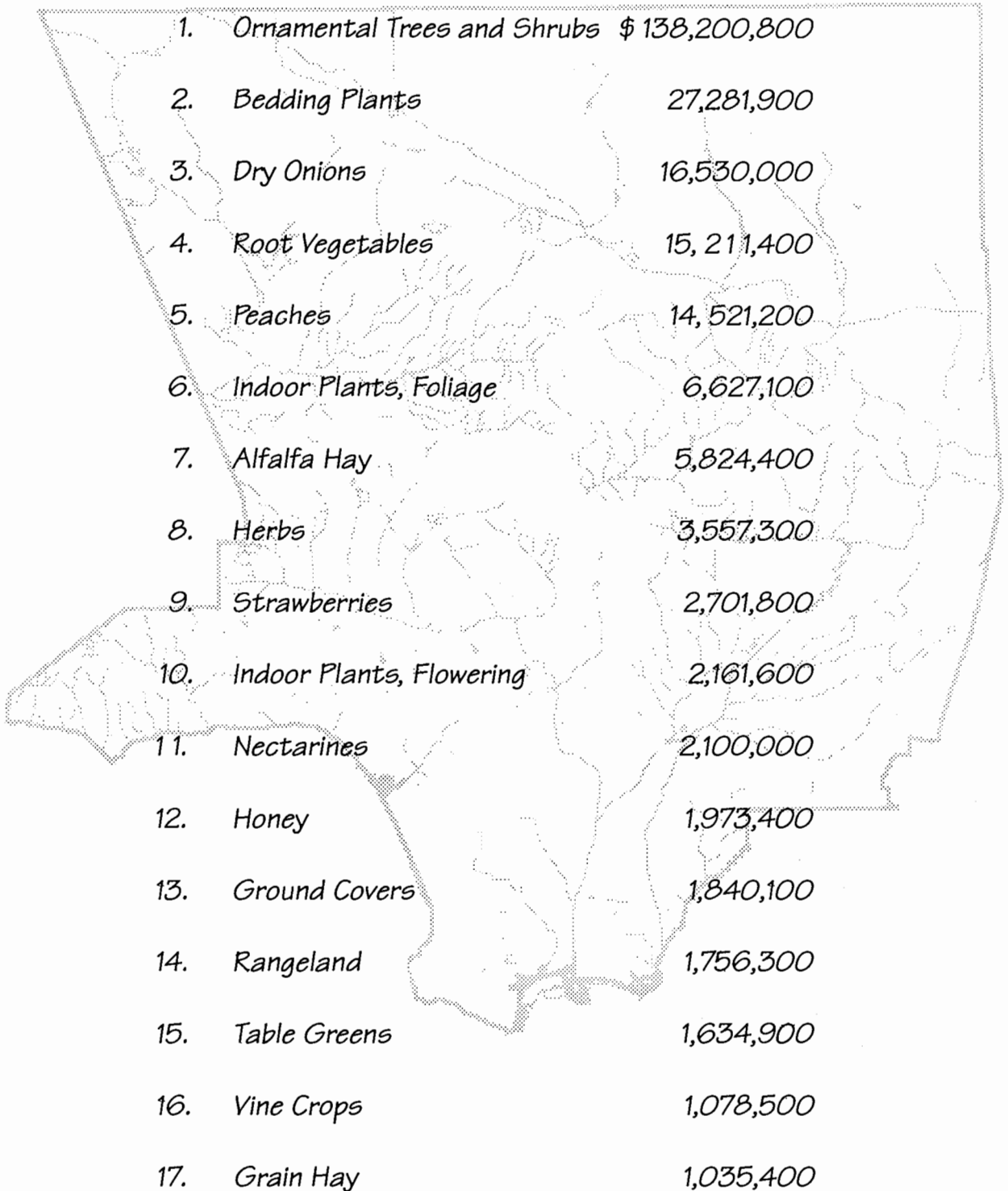


Cato R. Fiksdal
Agricultural Commissioner

This annual publication presents statistical information on acreage, yield, and gross value of agricultural products produced in Los Angeles County in accordance with Sections 2272 and 2279 of the California Food and Agricultural Code.

Cover: Horticultural Inspector (in straw hat) checking roadside produce stand in 1920's

Million Dollar Crops



1.	Ornamental Trees and Shrubs	\$ 138,200,800
2.	Bedding Plants	27,281,900
3.	Dry Onions	16,530,000
4.	Root Vegetables	15,211,400
5.	Peaches	14,521,200
6.	Indoor Plants, Foliage	6,627,100
7.	Alfalfa Hay	5,824,400
8.	Herbs	3,557,300
9.	Strawberries	2,701,800
10.	Indoor Plants, Flowering	2,161,600
11.	Nectarines	2,100,000
12.	Honey	1,973,400
13.	Ground Covers	1,840,100
14.	Rangeland	1,756,300
15.	Table Greens	1,634,900
16.	Vine Crops	1,078,500
17.	Grain Hay	1,035,400

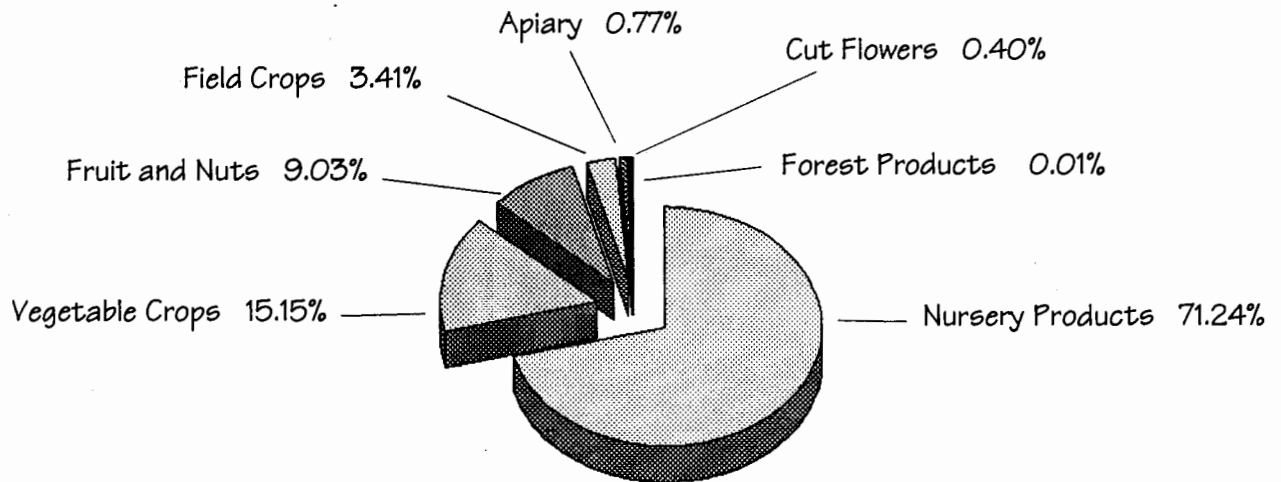
Summary

Commodity	1996	1997	1998
Nursery Products	164,633,028	171,220,605	185,592,500
Vegetable Crops	25,546,133	33,414,024	39,458,900
Fruit and Nuts	16,825,475	21,268,400 *	23,513,700
Field Crops	9,369,999	9,494,247	8,890,900
Apiary	4,277,690	1,164,128	1,995,100
Cut Flowers and Decoratives	<u>1,452,564</u>	<u>1,356,176</u>	<u>1,052,100</u>
Subtotal	222,104,889	237,917,629 *	260,503,200
Forest Products	<u>133,561</u>	<u>39,801</u>	<u>15,100</u>
Grand Total	\$222,238,450	\$237,957,430 *	\$260,518,300

* Revised

Crop Value Summary

Total Value \$260,518,300



Nursery Products

<u>Item</u>	<u>Year</u>	<u>Green House Sq. Ft.</u>	<u>Field Acres</u>	<u>Total Value</u>
Ornamental Trees and Shrubs	1998	7,878,826	1,782	\$138,200,800
	1997	7,033,613	1,712	\$128,688,800
Bedding Plants	1998	1,138,210	92	\$27,281,900
	1997	1,383,930	114	\$23,443,400
Indoor Plants, Foliage	1998	322,093	1	\$6,627,100
	1997	832,064	3	\$7,072,600
Indoor Plants, Flowering	1998	135,040	5	\$2,161,600
	1997	524,100	6	\$3,418,100
Ground Covers	1998	1,863,980	26	\$1,840,100
	1997	914,085	24	\$1,661,500
Miscellaneous	1998	2,973,037	326	\$9,481,200
	1997	3,043,694	326	\$6,936,200
Includes vegetable plants, orchids, cacti, and sod.				
TOTAL	1998	14,311,186	2,232	\$185,592,500
	1997	13,731,486	2,185	\$171,220,600

Vegetable Crops

Crop	Year	Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Dry Onions	1998	2,425	24.23	58,750	Ton	\$281	\$16,530,000
	1997	1,932	24.81	47,930	Ton	\$319	\$15,276,400
Root Vegetables	1998	5,252	Includes carrots, beets, and daikon.				\$15,211,400
	1997	3,822					\$10,747,100
Herbs	1998	443	Includes cilantro, parsley, and other herbs.				\$3,557,300
	1997	124					\$1,823,700
Table Greens	1998	204	Includes leaf lettuce, spinach and oriental specialties.				\$1,634,900
	1997	292					\$1,382,900
Vine Crops	1998	239	Includes pumpkins, cucumbers, tomatoes, and squash.				\$1,078,500
	1997	270					\$1,174,800
Miscellaneous	1998	259	Includes sweet corn, leeks, bell peppers, and green onions.				\$1,446,800
	1997	660					\$3,009,000
TOTAL	1998	8,822					\$39,458,900
	1997	7,100					\$33,414,000

Fruit and Nut Crops

Crop	Year	Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Peaches	1998	901	15	13,201	Ton	\$1,100	\$14,521,200
	1997	651	17	11,002	Ton	\$1,000	\$11,001,800
Strawberries	1998	129	22	2,789	Ton	\$969	\$2,701,800
	1997	148	23	3,404	Ton	\$1,100	\$3,744,400
Nectarines	1998	110	16	1,800	Ton	\$1,166	\$2,100,000
	1997	110	18	2,000	Ton	\$1,100	\$2,200,400
Apples	1998	75	8	630	Ton	\$1,214	\$765,000
	1997	71	9	631	Ton	\$1,396	\$880,600
Pears, Bartlett	1998	40	9	360	Ton	\$1,300	\$468,000
	1997	40*	8	320	Ton	\$1,500	\$480,000*
Cherries	1998	150	1	113	Ton	\$3,500	\$395,500
	1997	140	1	144	Ton	\$3,472	\$500,000
Avocados	1998	87	4	341	Ton	\$1,097	\$373,500
	1997	153	4	627	Ton	\$1,400	\$878,200
Grapes	1998	74	7	544	Ton	\$682	\$371,000
	1997	45	7	315	Ton	\$898	\$283,000
Miscellaneous	1998	201	Includes citrus, plums, and other fruits and nuts.				\$1,817,800
	1997	246*					\$1,300,100*
TOTAL	1998	1,768					\$23,513,700
	1997	1,589*					\$21,268,400*

* Revised

Field Crops

Crop	Year	Acreage	Per Acre	Production		Value	
				Total	Unit	Per Unit	Total
Alfalfa Hay	1998	5,270	8	41,849	Ton	\$139	\$5,824,400
	1997	5,465	8	46,196	Ton	\$149	\$6,898,500
Grain Hay	1998	2,717	4	9,813	Ton	\$106	\$1,035,400
	1997	2,742	2	5,338	Ton	\$116	\$619,600
Rangeland	1998	250,180					\$1,756,300
	1997	250,182					\$1,556,800
Miscellaneous	1998	1,210*					** \$274,800
	1997	1,191*					** \$408,900
TOTAL	1998	9,197***					\$8,890,900
	1997	11,335***					\$9,370,000

* Acreage excluding stubble
 ** Value includes barley grain, sudan hay, irrigated pasture and grazing privileges on stubble.

*** Excluding rangeland and stubble.

Cut Flowers and Decoratives

Item	Year	Green House Sq. Ft.	Field Acres	Quantity		Value	
				Sold	Unit	Per Unit	Total
Christmas Trees	1998		86	11,711	Tree	\$30	\$354,100
	1997		63	16,454	Tree	\$28	\$464,500
Pompom	1998	100,000		70,468	Bunch	\$2	\$139,700
	1997	100,000		16,639	Bunch	\$7	\$111,500
Miscellaneous	1998	117,613	67	Includes lilacs, mums, snapdragon, yarrow, gypsophila, carnation, delphinium, and all other cut flowers.			\$558,400
	1997	66,500	125				\$780,200
TOTAL	1998	217,613	153				\$1,052,100
	1997	166,500	188				\$1,356,200

Apiary Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Per Unit</u>	<u>Value</u>	
						<u>Total</u>
Honey	1998	3,036,000	Lb.	\$.65	* \$1,973,400	
	1997	1,518,000		\$.76	\$1,153,000	
Beeswax	1998	9,100	Lb.	\$2	* \$19,400	
	1997	4,550		\$2	\$9,700	
Pollination	1998	87	Hive	\$27	* \$2,300	
	1997	42		\$34	\$1,400	
Total	1998				* \$1,995,100	
	1997				\$1,164,100	

* Increase in production due mainly to weather effects of "El Nino"

Forest Products

<u>Item</u>	<u>Year</u>	<u>Production</u>	<u>Unit</u>	<u>Price</u>	<u>Value</u>
Plantation Christmas Trees	1998	12,611	Linear ft.	\$1.20	\$15,100
	1997	33,168		\$1.20	\$39,800

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

No timber or firewood reported in 1998

Sustainable Agriculture Reporting

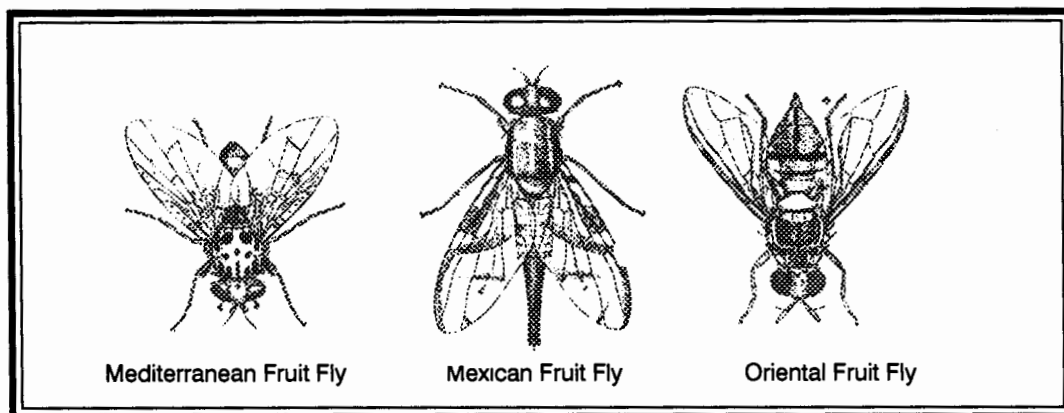
ORGANIC FARMING STATISTICS

Crop	Estimated Acres	
	1998	1997
Apples	23	5
Avocados	40	11
Cherries	19	19
Citrus	20	-
Grapes	25	25
Herbs (including sprouts)	11	56
Nectarines	4	4
Peaches	10	10
Asian Pears	5	8
Pears	2	2
Pistachios	40	-
Safflower	100	-
Misc. Trees	17	17
Vegetables (including Oriental & lettuce)	29	29
Total	<u>345</u>	<u>186</u>

	Farms	Acres
1998	28	345
1997	20	186

Pest Detection Activities

Pest	Number of Traps		Specimens Trapped
	Pest Detection	Pest Eradication	
Mediterranean Fruit Fly	5,008	0	0
Melon Fly	5,015	0	0
Oriental Fruit Fly	5,015	2,550	23
Mexican Fruit Fly	4,985	424	0
Gypsy Moth	3,703	0	0
Japanese Beetle	3,040	0	0
Khapra Beetle	310	0	0
Apple Maggot	135	0	0
Africanized Honey Bee	67	0	0
European Pine Shoot Moth	43	0	0
European Corn Borer	39	0	0
Olive Fruit Fly	0	1,705	164
Bactrocera facialis	0	1,625	1
Bactrocera latifrons	0	900	1
Anastrepha striata	0	240	1
Bactrocera correcta	0	75	1
TOTAL	27,360	7,519	191



Pest Eradication Activities

<u>Pest</u>	<u>Method</u>	<u>Scope of Program</u>
Mediterranean Fruit Fly	None - No Medfly Finds in 1998	
Mexican Fruit Fly	Sterile Flies Released Ground Based Malathion Foliar Treatments Gound Based Diazinon Soil Treatments Quarantine	240,343,000 Released 213 Properties Treated 2 Soil Treatments 62 Square Miles
Oriental Fruit Fly	Male Annihilation Treatments	9 Treatment Areas
Alligatorweed	Gross Area Inspected Hand Removal and Herbicide Treatment (Net Area)	5,798 Acres .01 Acre
Halogeton	Mechanical Control and Chemical Treatment	None *

* No plants were found during calendar year 1998.

Biological Control Activities

<u>Pest</u>	<u>Agent/Mechanism</u>	<u>Scope of Programs</u>
Mediterranean Fruit Fly	Sterile Releases	16,792,754,000 Sterile Medflies Released
Mexican Fruit Fly	Sterilie Releases	240,343,000 Sterile Mexflies Released

Pest Exclusion Activities

<u>Pest Exclusion Violations Issued</u>	<u>Number of Violations Issued</u>
Infested/Presumed Infested	158
Markings	97
Citrus Pests	69
Caribbean Fruit Fly	58
Plum Curculio and Blueberry Maggot	42
Failure to Hold	16
Burrowing and Reniform Nematodes	13
Cherry Fruit Fly	13
Nut Tree Pests	9
Mexican Fruit Fly	9
Japanese Beetle	6
Ozonium Root Rot	4
Peach Tree Diseases	4
Tomato Yellow Leaf Curl Virus	3
Sweet Potato Weevil	3
European Corn Borer	3
Imported Fire Ant	2
Lethal Yellowing of Palm	2
Gypsy Moth	2
FQ56 - Foreign Fruits & Vegetables	2
Cereal Leaf Beetle	2
6461.5 C - No Phytosanitary Certificate	1
Peach Rosette	1
Federal Section 103 - Presence of Live Insects	1
Cornstalk Borer	1
FQ 13 - No Limited Permit	1
Total	<u>522</u>

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Host</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Africanized Honey Bee <i>Apis Mellifera scuetllata</i>	Feral swarm Feral colony In wall of apt. bldg. Oil refinery	Pub Det	10
Aphid <i>Greenidea formosana</i>	Guava <i>Melaleuca</i>	Nurs	4
Ant <i>Anoplolepis longipes</i>	<i>Chamaedorea seifrizi</i> Cut flowers	Quar	2
Australian lerp psyllid <i>Glycaspis brimblecombei</i>	<i>Eucalyptus camaldulensis</i> Eucalyptus <i>Eucalyptus rudis</i> <i>Eucalyptus viminalis</i> Loquat	Pub Det Nurs	12
Australian tortoise beetle <i>Trachymela sloanei</i>	<i>Eucalyptus camaldulensis</i> Eucalyptus	Det Pub	3
Avocado whitefly <i>Tetraleurodes perseae</i>	Avocado	Nurs	1
Azalea bark scale <i>Acanthococcus azaleae</i>	Azalea	Quar	1
Big headed ant <i>Pheidole megacephala</i>	Bamboo, Cut flowers Ginger, Hibiscus Pineapple, Pink ginger	Quar	6
Black headed ant <i>Tapinoma melanocephalum</i>	Cut flowers	Quar	1
Citrus leafminer <i>Phyllocnistis citrella</i>	Citrus (orange)	Quar	1
Coconut mealybug <i>Nipaecoccus nipae</i>	King palm	Nurs	1

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Coffee root mealybug <i>Geococcus coffeae</i>	<i>Dracaena craig</i> Fishtail palm	Quar	2
Crazy ant <i>Paratrechina</i> sp.	Lemon grass	Quar	1
Croton whitefly <i>Orchamoplatus mammaeferus</i>	Cut greens	Quar	1
Cuban snail <i>Zachrysia provisoria</i>	<i>Dieffenbachia</i> <i>Dracaena marginata</i> <i>Ficus benjamina</i> <i>Phoenix roebelenii</i> <i>Schefflera</i>	Quar	9
Eucalyptus psyllid <i>Blastopsylla occidentalis</i>	Eucalyptus	Nurs	1
False chinch bug <i>Nysius</i> sp.	Orchids	Quar	1
Fig wax scale <i>Ceroplastes rusci</i>	Leaf, soil	Quar	1
Fruit fly <i>Bactrocera facialis</i>	Plum Fruit	Det	1
Giant whitefly <i>Aleurodicus dugesii</i>	Hibiscus	Nurs	1
Green scale <i>Coccus viridis</i>	Rambutan	Quar	1
Green shield scale <i>Pulvinaria psidii</i>	Brazilian pepper Eucalyptus, Ficus <i>Ficus benjamina</i> Gardenia, Guava Loquat, Palm <i>Plumeria</i> , Rambutan	Nurs Quar	32

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Host</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Guava fruitfly <i>Bactrocera correcta</i>	Fig	Det	1
Gypsy moth <i>Lymantria dispar</i>	Wool	Quar	1
Howard scale <i>Abgrallaspis howardii</i>	Magnolia	Quar	1
Japanese beetle <i>Popillia japonica</i>	Turf	Det	1
Lesser snow scale <i>Pinnaspis strachani</i>	<i>Dracaena warnecki</i> Palm frond, Ti leaf	Nurs Quar	4
Leucaena psyllid <i>Heteropsylla cubana</i>	[unknown]	Nurs	1
Lycopodium mealybug <i>Pseucococcus lycopodii</i>	Lycopodium	Quar	1
Lygaeid bug <i>Nysius</i> sp.	Orchids	Pub	1
Magnolia white scale <i>Pseudaulacaspis cockerelli</i>	Areca palm Bird of Paradise Cut flowers, Palm Palm frond, Phoenix <i>Phoenix roebelenii</i> <i>Rhapis</i> , Ruscus <i>Strelitzia nicolai</i> , <i>Strelitzia</i>	Quar Nurs Det	29
Mealybug <i>Nipaecoccus</i> sp.	Fan palm, Palm Queen palm	Nurs	4
Mexican guava fruit fly <i>Anastrepha striata</i>	Loquat	Det	1

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Host</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Mining scale <i>Howardia biclavis</i>	<i>Ficus benjamina</i> <i>Plumeria</i>	Nurs Quar	8
Olive fruit fly <i>Bactrocera oleae</i>	Citrus (lemon) Citrus (orange), Olive	Det	63
Orchid weevil <i>Orchidophilus alterrinus</i>	Cut flowers	Quar	1
Oriental fruit fly <i>Bactrocera dorsalis</i>	Citrus (lemon, tangerine) Guava, Nectarine, Peach, Plum, Sapote, Ornamental tree	Det	11
Oriental scale <i>Aonidiella orientalis</i>	Coconut	Quar	1
Parlatoria date scale <i>Parlatoria blanchardii</i>	Palm frond	Quar	1
Pickle worm <i>Diaphania nitidalis</i>	Cucumber (Indian) Pickling cucumber	Quar	2
Purple scale <i>Lepidosaphes beckii</i>	Citrus Citrus (lemon)	Nurs	2
Pyriiform scale <i>Protopulvinaria pyriformis</i>	Aralia, Champacha Eugenia, Gardenia <i>Laurus nobilis</i> , Leaves <i>Schefflera</i> , <i>Umbellularia laurel</i> <i>Umbellularia californica</i>	Nurs Quar	13
Red imported fire ant <i>Solenopsis invicta</i>	Cocos palm Cut flowers, Ficus Ground beside plants In ground In ground at electric tower Saline solution, Spanish moss Trailer, Truck	Nurs Quar Det Pub	12

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Host</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Slug <i>Veronicella</i> sp.	<i>Sanseveria</i> <i>Dracaena</i> Soil, <i>Spathiphyllum</i> Taro leaves	Quar	5
Slug <i>Meghimatium striatim</i>	<i>Dracaena</i>	Quar	1
Snail <i>Lamellaxis</i> sp.	<i>Spathiphyllum</i>	Quar	1
Snail <i>Euglandina rosea</i>	<i>Chamaedorea</i>	Quar	1
Snail <i>Bradybaena similaris</i>	Aglaonema, Anthurium Aquatic plants <i>Brassaia actinophyll</i> <i>Chrysalidocarpus, Dracaena</i> <i>Dracaena marginata</i> , Ficus <i>Ficus benjamina</i> , Leaves <i>Phoenix roebelenii</i> <i>Ravenea rivularis, Schefflera</i> Soil, <i>Spathiphyllum</i> <i>Strelitzia</i>	Quar	33
Soil mealybug <i>Rhizoecus americanus</i>	<i>Ravenea rivularis</i> <i>Phoenix roebelenii</i> <i>Rhapis</i> , Soil, Taro stalk	Quar	7
Solanum fruit fly <i>Bactrocera latifrons</i>	Ornamental tree	Det	1
Southern green stink bug <i>Nezara viridula</i>	Sunflower	Pub	1
Spanish moss orthezia <i>Orthezia tillandsiae</i>	Spanish moss	Quar	1

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Host</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Spiraling whitefly <i>Aleurodicus dispersus</i>	Betle leaves, Coconut <i>Dracaena</i> , Kentia palm Malangai leaves, Monstera Orchids, Taro leaves, Ti	Quar	21
Spiraling whitefly (egg tracks) <i>Aleurodicus dispersus</i>	Bamboo, Cut flowers Ginger, Leaf Malangai leaves, Ti	Quar	21
Tetranychid mite <i>Mononychellus caribbeanae</i>	<i>Erythrina</i>	Nurs	1
Torpedo bug (eggs) <i>Siphanta acuta</i>	Maille leaf	Quar	3
Torpedo bug egg mass <i>Siphanta acuta</i>	Herbs Podocarpus	Quar Nurs	3
Towsend scale <i>Abgrallaspis towsendi</i>	Magnolia	Quar	1
Tropical palm scale <i>Hemiberlesia palmae</i>	Bromeliads	Quar	1
Two spotted leafhopper <i>Sophonia rufofascia</i>	Bo tree, Brazilian pepper Cherry, Citrus <i>Clytostoma</i> , Curry leaves Cut flowers, <i>Fatsia japonica</i> Ficus, Gardenia, Guava King palm, <i>Laurus nobilis</i> Liquidambar, Loquat Magnolia, <i>Michelia</i> , <i>Philodendron</i> <i>Strelit</i> , <i>Pittosporum</i> , <i>Plumeria</i> Quince, Ti, <i>Viburnum</i>	Nurs Quar Det	48
Unknown Noctuid moth (eggs)	Basil	Quar	1
Unknown insect eggs	Cut flowers	Quar	1

Pest Exclusion Activities

<u>Pest Intercepted</u> <u>Common Name / Genus species</u>	<u>Host</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
White footed ant <i>Techmonymex albipes</i>	<i>Dracaena</i> , Coconut Cut flowers <i>Dracaena marginata</i> <i>Dracaena massangeana</i> Ficus, Ginger, Lalot <i>Plumeria</i> , <i>Schefflera</i> <i>Spathiphyllum</i> , Ti	Quar	13
Woolly whitefly <i>Aleurothrixus floccosus</i>	Citrus Guava, Quince	Det Nurs	3 <hr/>
		TOTAL	420 <hr/> <hr/>

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

A special acknowledgement and thank you to our staff members: Dr. Rosser Garrison, Dave Kruger, Jim Wisemen, Paul Dufourd, Sherlan Neblett Bernhard, Ray Smith, Nancy Kellam, Chester Olsen, John Cervante, Gary Mork, Eric Hansen, Greg Creekmur, Paul White, Mary Anne Nolan and Julia Chen for collecting, compiling and computerizing the statistics and the report layout.



**Los Angeles County Agricultural Commissioner /
Weights and Measures Department
3400 La Madera Avenue
El Monte, California 91732**



LOS ANGELES COUNTY

AGRICULTURAL COMMISSIONER/
WEIGHTS AND MEASURES DEPARTMENT



1999
Crop Report



COUNTY OF LOS ANGELES

*Department of
Agricultural Commissioner
and Weights and Measures*

*12300 Lower Azusa Road
Arcadia, California 91006-5872*

Robert G. Atkins
Chief Deputy

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

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

Gloria Molina, Chair - First District

Yvonne Brathwaite Burke - Second District

Zev Yaroslavsky - Third District

Don Knabe - Fourth District

Michael D. Antonovich - Fifth District

1999 CROP REPORT

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

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

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

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

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

Respectfully submitted,

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

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

Million Dollar Crops

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

2. Bedding Plants 32,465,000

3. Root Vegetables 21,205,000

4. Peaches 13,904,000

5. Dry Onions 13,365,000

6. Indoor Plants, Foliage 5,850,000

7. Alfalfa Hay 5,090,000

8. Strawberries 3,542,000

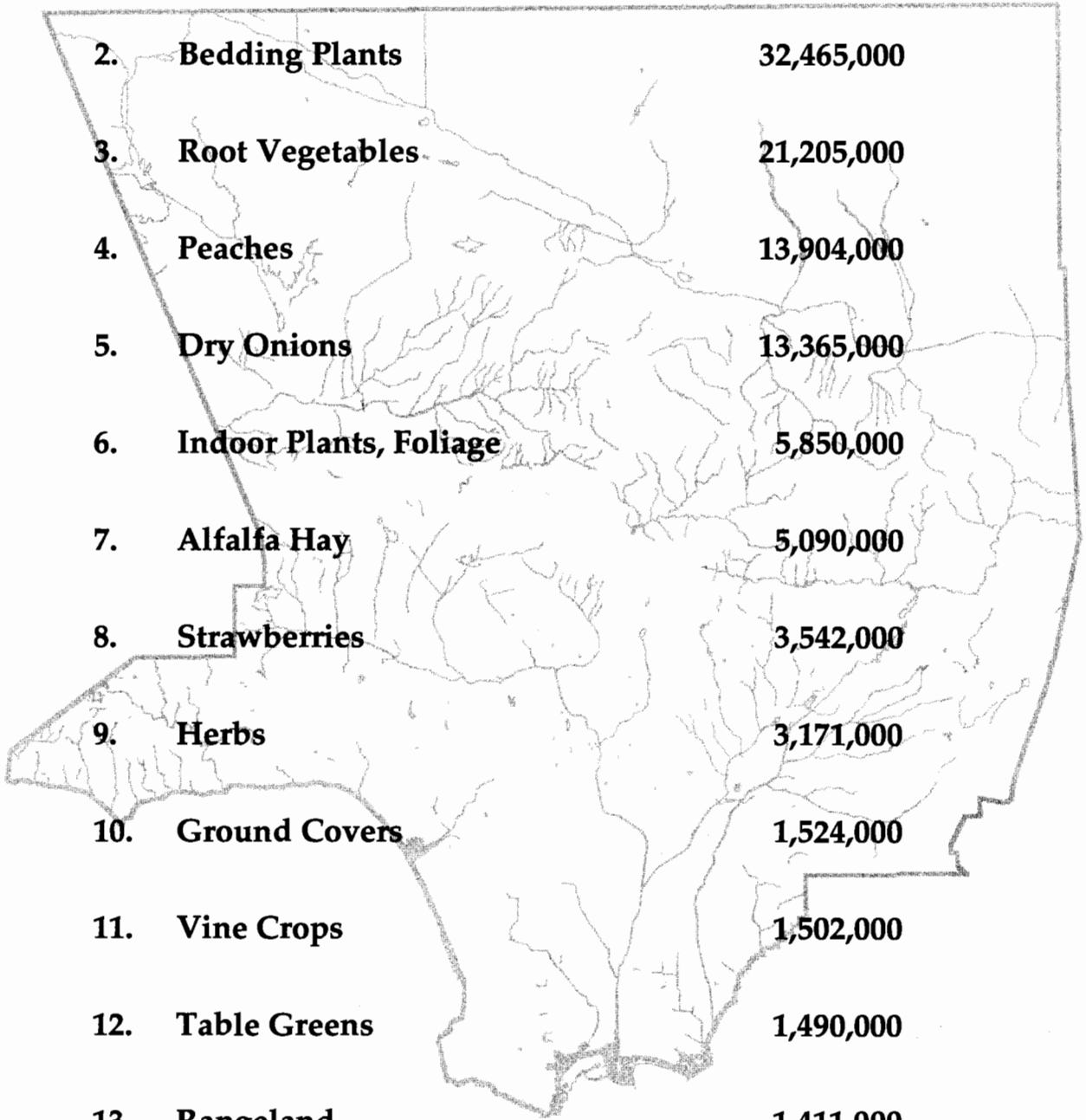
9. Herbs 3,171,000

10. Ground Covers 1,524,000

11. Vine Crops 1,502,000

12. Table Greens 1,490,000

13. Rangeland 1,411,000

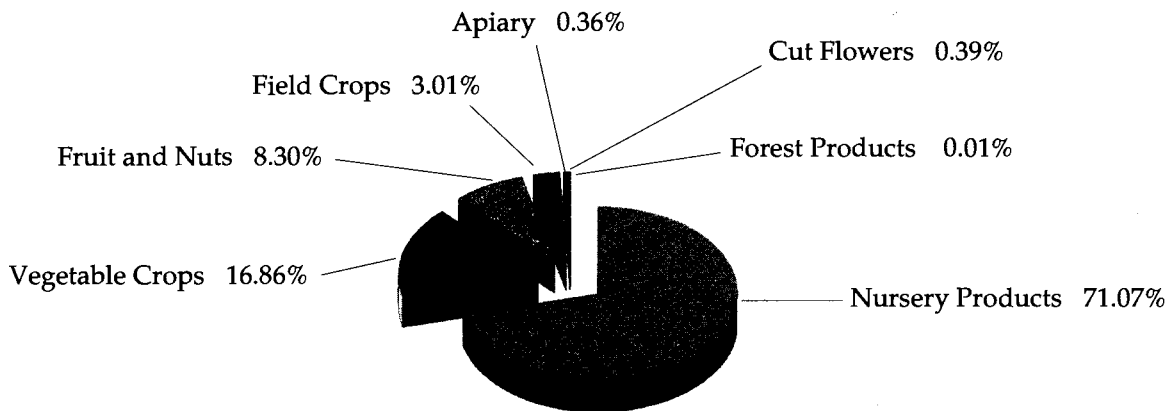


Summary

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

* Revised

1999 Crop Value Summary



Total Value \$253,010,000

Nursery Products

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



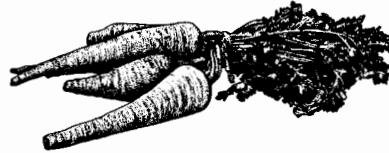
Fruit and Nut Crops

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

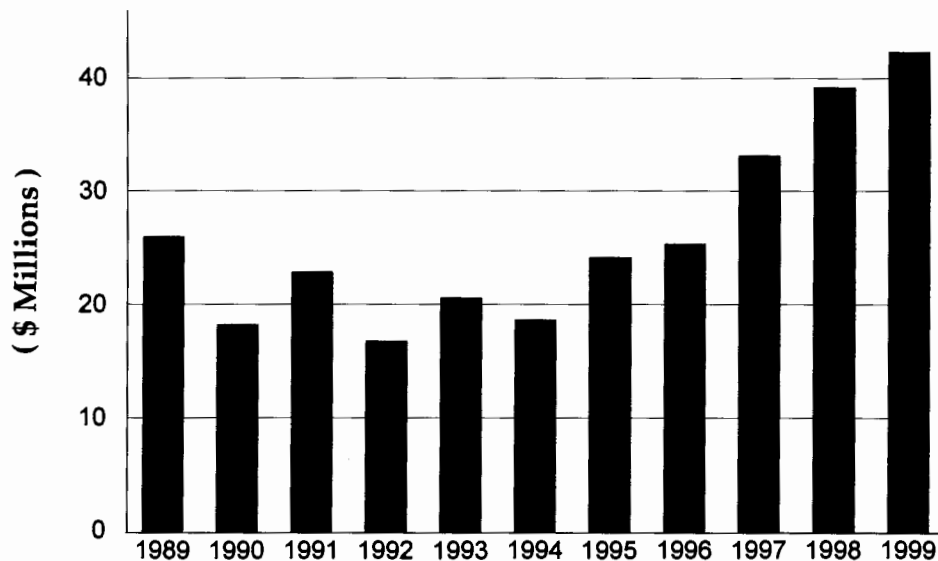


Vegetable Crops

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



Vegetable Crop Values 1989 - 1999



Field Crops

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

Apiary Products

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



Cut Flowers and Decoratives

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



Forest Products

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

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

Sustainable Agriculture Reporting



ORGANIC FARMING STATISTICS

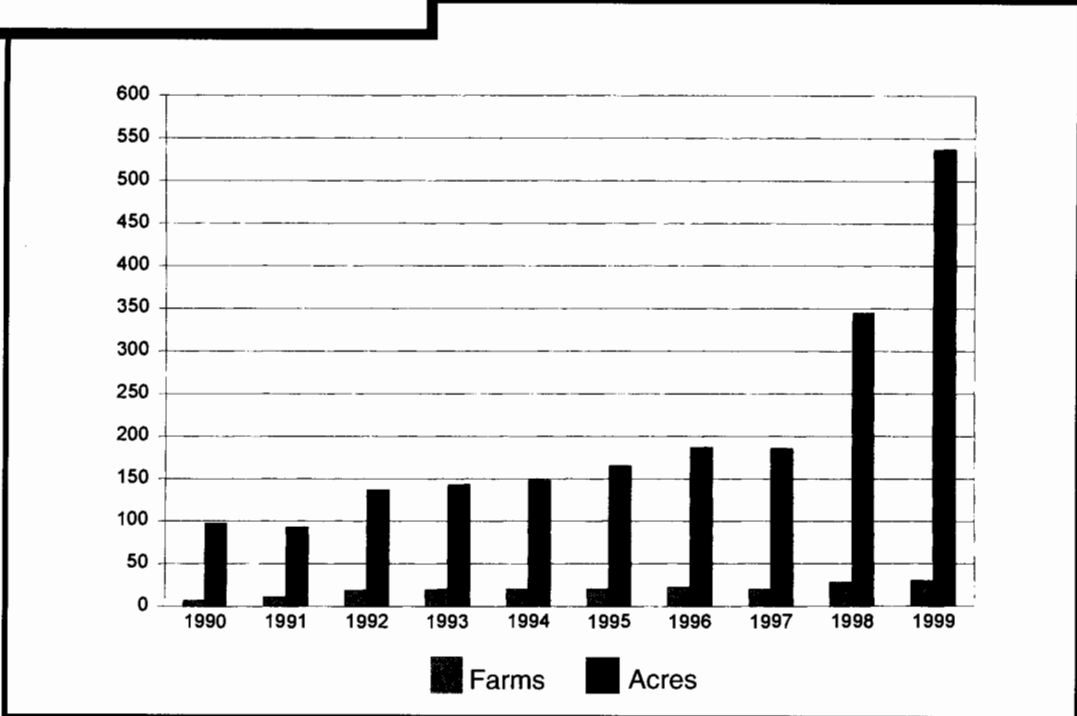


<u>Crop</u>	<u>Estimated Acres</u>	
	<u>1999</u>	<u>1998</u>
Apples	24	23
Avocados	35	40
Carrots	300	-
Cherries	20	19
Citrus	20	20
Grapes	50	25
Herbs (including sprouts)	10	11
Nectarines	4	4
Peaches	10	10
Asian Pears	5	5
Pears	2	2
Pistachios	10	40
Safflower	-	100
Misc. Trees	17	17
Vegetables (including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



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

Organic Farming 1989 - 1999



Pest Detection Activities

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

Pest Eradication Activities

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

Biological Control Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

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

Pest Exclusion Activities

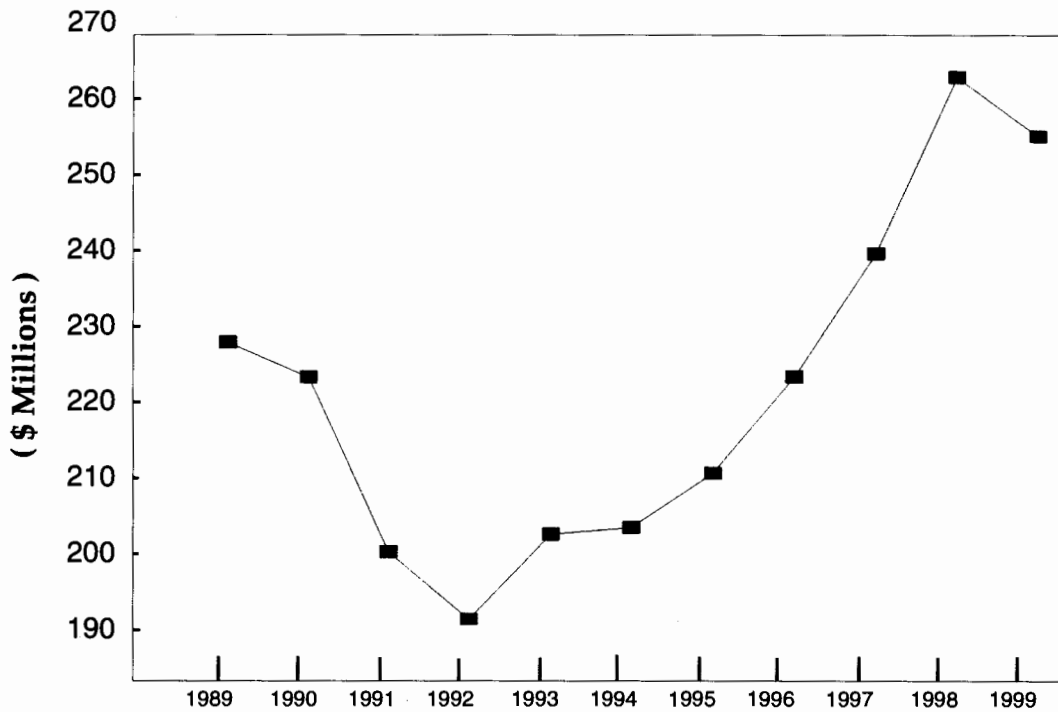
<u>Pest Intercepted</u> <u>Common Name/Genus species</u>	<u>Material</u>	<u>Source*</u>	<u>Scope of Program</u> <u>Pest Interceptions</u>
Slug <i>Philomycus</i> sp.	<i>Dracaena</i>	Quar	2
Slug <i>Veronicella</i> sp.	Basil, Taro, <i>Dracaena</i> , Poke leaves, Palms	Quar	23
Slug	Poke leaves, Taro stalk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

Pest Exclusion Activities

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

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

Total Crop Values 1990 - 1999



Ten Year Crop Values

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

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

This report was possible only through the cooperation of all the nursery owners, growers, governmental and private agencies, and others who provided the information necessary for its products.

A special acknowledgement and thank you to staff members: Robert Orsburn, Interim Deputy, for overseeing the compilation of the report and Julia Chen for collecting, compiling and computerizing the statistics and the report layout.





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