

ALAMEDA COUNTY  
DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

# 2014 Crop Report



ALAMEDA COUNTY  
Community Development Agency



## ASIAN CITRUS PSYLLID

### A new threat to California's citrus industry and residential citrus trees.

The Asian citrus psyllid (ACP) was first found in the United States in Palm Beach County, Florida, in June 1998 in backyard plantings of orange jasmine. By 2001, it had spread to 31 counties in Florida, with much of the spread due to movement of infested nursery plants. In the spring of 2001, ACP was accidentally introduced into Texas on potted nursery stock from Florida. By 2006 it was found in Hawaii, and in 2008, in several more southern states. ACP was first found in California on August 27, 2008 in San Diego County. The ACP has now been detected in 14 counties in California, most recently, in Santa Clara County. Due to the find in Santa Clara County, a portion of southern Alameda County in the city of Fremont has been placed under quarantine for ACP. The ACP has the potential to establish itself throughout California wherever citrus is grown.

ACP attacks all varieties of citrus and very closely related ornamental plants in the family Rutaceae (mock orange, Indian curry leaf, orange jasmine and other *Murraya* species). This pest attacks new citrus leaf growth and, because of the salivary toxin that it injects, causes the new leaf tips to twist or burn back. However, the more serious damage that it causes is due to the psyllid vectoring the bacterium (*Candidatus Liberibacter asiaticus*) that causes Huanglongbing

(HLB or citrus greening) disease. HLB results in lopsided fruit with bitter juice. The disease can kill a citrus tree within 5 to 8 years, and there is no known cure.

In March 2012, HLB was detected in California for the first time. The multigrafted citrus tree in a Los Angeles County backyard was destroyed, but it is likely there are more infected trees nearby or in other areas. The disease is also spreading northward in Mexico toward California.

The psyllid and disease together present a grave threat to California's \$2.1 billion citrus industry, the livelihood of citrus farmers and thousands of farm workers, and the fragile economies in California's rural citrus belt, extending from San Diego through interior and coastal Southern California and up into the San Joaquin Valley. Their presence also prevents exports to countries that do not have this pest and disease. The loss of backyard citrus trees in urban areas of California due to the disease will change the face of the landscape and reduce the availability of homegrown fruit. Many varieties of citrus fruits are grown by residents in Alameda County and they remain one of the most popular types of fruit trees grown throughout California.

### SAVE YOUR CITRUS!

If you love your citrus trees, then help us stop the advancement of ACP and the potential spread of HLB by learning how to inspect your own citrus trees for the psyllid. If you find what you think is ACP, call our office at (510) 670-5232. The California Department of Food & Agriculture can provide help when ACP is found on backyard citrus and we can facilitate that process. To learn more about ACP, please visit our website at [www.acgov.org/cda/awm](http://www.acgov.org/cda/awm).



## ALAMEDA COUNTY | Community Development Agency

AGRICULTURE / WEIGHTS & MEASURES DEPARTMENT

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July 27, 2015

Karen Ross, Secretary  
California Department of Food and Agriculture  
and  
The Honorable Board of Supervisors  
County of Alameda, California

In accordance with the provisions of Section 2279 of the California Food and Agricultural Code, it is my pleasure to present the 2014 Alameda County Crop Report. This publication is presented annually and reports statistical information on acreage, yield, and gross value of all agricultural products produced in Alameda County.

The 2014 total gross value of Alameda County's agricultural production was \$46,312,000, an increase of 4,355,000 (10.4%) from the 2013 value of \$41,957,000. This increase in gross production is due to a second consecutive high production year of winegrapes and an increase in livestock sales by producers who continue to cull their herds due to the ongoing extreme drought.

Fruit and Nut Crops, remained our top grossing commodity group in 2014 valued at \$16,418,000, a 1.8% increase from 2013, followed closely by the Livestock and Poultry with a total estimated production of \$15,794,000.

Vegetable Crops increased in 2014 to a value of \$1,215,000 resulting from increased production acreage and an increasing number of farm cooperatives. Nursery Products declined in gross production value to \$7,966,000 (- 4.9%) from 2013. This third consecutive year of decline in Nursery products, was caused primarily by diminishing production acreages; an unfortunate but ongoing trend in Alameda County in recent years. Field Crops on the whole also declined 9% in 2014 to \$4,919,000 with high production losses in dryland hay production due to the drought.

It is important to emphasize that the numbers in this report are gross values only and do not reflect costs related to production, harvesting, marketing or transportation. These production costs and other farm related services have a significant overall local economic benefit generally thought to be about three times the gross production value.

We sincerely appreciate the cooperation of the many individuals and organizations that provided the necessary information for this report. Special recognition and thanks goes to all the members of our staff whose hard work and dedication made this report possible under the leadership of Edmund Duarte and Carla Radosta.

Respectfully submitted,

Scott T. Paulsen  
Agricultural Commissioner  
Sealer of Weights and Measures





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# ALAMEDA COUNTY 2014 CROP REPORT

Asian Citrus Psyllid in California .....	Inside Front Cover
Letter to the Secretary/Board of Supervisors .....	3
County, Agency and Department Staff.....	4
Table of Contents .....	5
Field Crops .....	6
Fruit and Nut Crops .....	6
Nursery Products .....	7
Vegetable Crops.....	7
Livestock and Poultry .....	7
Sustainable Agriculture Report.....	8
Pest Management and Eradication.....	8
Pest Exclusion.....	8
Sudden Oak Death (SOD).....	8
Canine Inspection Program.....	9
Light Brown Apple Moth Program .....	9
Pest Detection .....	9
Organic Farming.....	10
Community Supported Agriculture.....	10
County Biological Control .....	10
Equine Statistics .....	10
Five Year Comparison Summary .....	11
General Alameda County Information .....	11
Alameda County Mission Statement .....	Back Cover



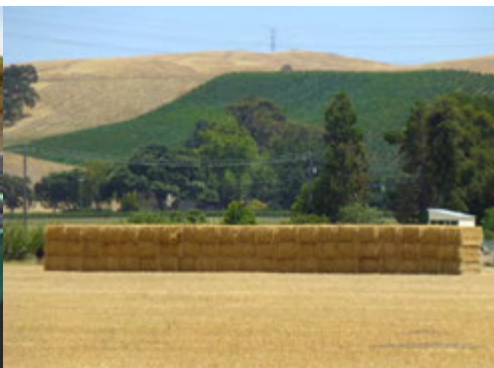
Photo and cover photo by Ken Peek

# FIELD CROPS

Crop	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Hay, Alfalfa	<b>2014</b>	<b>524</b>	<b>4.71</b>	<b>2,468</b>	<b>Ton</b>	<b>\$238.00</b>	<b>\$587,000</b>
	2013	529	5.47	2,894	Ton	\$225.00	\$651,000
Hay, Other	<b>2014</b>	<b>3,381</b>	<b>0.89</b>	<b>3,009</b>	<b>Ton</b>	<b>\$182.00</b>	<b>\$548,000</b>
	2013	4,113	1.33	5,470	Ton	\$183.00	\$1,001,000
Range Pasture	<b>2014</b>	<b>177,798</b>			<b>Acre</b>	<b>\$17.95</b>	<b>\$3,191,000</b>
	2013	177,798			Acre	\$16.98	\$3,019,000
Miscellaneous	<b>2014</b>	<b>979</b>	Includes silage, wheat, sorghum, dried beans, etc.				<b>\$593,000</b>
	2013	1,095					\$733,000
<b>Total</b>	<b>2014</b>	<b>182,682</b>					<b>\$4,919,000</b>
	2013	183,535					\$5,404,000

# FRUIT & NUT CROPS

Crop	Year	Bearing Acreage	Per Acre	Total	Unit	Ave Per Unit	Total
Grapes (WINE)Red	<b>2014</b>	<b>1,837</b>	4.07	<b>7,477</b>	<b>Ton</b>	<b>\$1,581.00</b>	<b>\$11,820,000</b>
	2013	2,089	5.55	11,594	Ton	\$1,030.30	\$11,945,000
Grapes (WINE)White	<b>2014</b>	<b>583</b>	5.32	<b>3,102</b>	<b>Ton</b>	<b>\$1,269.00</b>	<b>\$3,936,000</b>
	2013	708	6.64	4,701	Ton	\$855.08	\$4,020,000
Misc. Fruit & Nut	<b>2014</b>	<b>319</b>	Includes olives, walnuts, pistachios, persimmon, etc.				<b>\$662,000</b>
	2013	338					<b>\$159,000</b>
<b>Total</b>	<b>2014</b>	<b>2,739</b>					<b>\$16,418,000</b>
	2013	3,135					\$16,124,000



## NURSERY PRODUCTS

Item	Year	House Sq. Ft.	Field Acres	Quantity Sold	Unit	Per Unit	Total
Ornamental Trees and Shrubs	2014	21,555	124	342,224	Plt.	Various	\$6,988,000
	2013	56,555	120	365,156	Plt.	Various	\$7,159,000
Miscellaneous Nursery Products	2014	95,000	60	Includes bedding plants, cut flowers, indoor decoratives, Christmas trees, etc.			\$978,000
	2013	322,880	68			\$1,218,000	
Total	2014	116,555	184				\$7,966,000
	2013	379,435	188				\$8,377,000

## VEGETABLE CROPS

Crop	Year	Harvested Acreage		Total
Miscellaneous Vegetables	2014	112	Includes broccoli, cabbage, corn, leaf lettuce, greens, pumpkins, tomatoes, squash, etc.	\$1,215,000
	2013	81		\$1,020,000

## LIVESTOCK & POULTRY

Item	Year	No. Of Head	Total Weight	Unit	Ave Per Unit	Total
Cattle & Calves	2014	12,611	83,912	Cwt.	VARIOUS	\$15,016,000
	2013	11,477	90,245	Cwt.	VARIOUS	\$10,309,000
Misc. Poultry and Livestock Products	2014	Includes sheep, goats, pigs, bees and apiary products				\$778,000
	2013					\$723,000
Total	2014					\$15,794,000
	2013					\$11,032,000



## PEST MANAGEMENT & ERADICATION

<b>WEEDS</b> <i>(Common Name/Scientific Name)</i>		<b>CONTROL METHOD</b>	<b>SCOPE OF PROGRAM</b> <i>(No. Sites/Net Treated Acres)</i>
<b>Russian Knapweed</b>	<i>Acroptilon repens</i>	Chemical/Mechanical	4 sites, monitoring
<b>Barb Goatgrass</b>	<i>Aegilops triuncialis</i>	Chemical/Mechanical	2 sites, monitoring
<b>Hoary Cress</b>	<i>Cardaria spp.</i>	Chemical/Mechanical	5 sites, monitoring
<b>Iberian Starthistle</b>	<i>Centaurea iberica</i>	Chemical/Mechanical	1 site, monitoring
<b>Purple Starthistle</b>	<i>Centaurea calcitrapa</i>	Chemical/Mechanical	various, 30.1 acres
<b>Artichoke Thistle</b>	<i>Cynara cardunculus</i>		
<b>Rush Skeletonweed</b>	<i>Chondrilla juncea</i>	Chemical/Mechanical	2 sites, monitoring
<b>Japanese Dodder</b>	<i>Cuscuta japonica</i>	Chemical/Mechanical	10 sites – 0.1 acres
<b>Dalmatian Toadflax</b>	<i>Linaria genistifolia</i>	Mechanical Removal	1 site – 0.1 acres
<b>Golden Thistle</b>	<i>Scolymus hispanicus</i>	Monitoring	1 site, monitoring
<b>White Horsenettle</b>	<i>Solanum elaeagnifolium</i>	Chemical/Mechanical	4 sites, monitoring

## PEST EXCLUSION

Pest exclusion is the first line of defense to prevent detrimental, non-native pests from entering the county. The County Agriculture Department inspects shipments of plant products and other high-risk articles daily at various shipping terminals to enforce quarantines intended to prevent the introduction of harmful pests.

<b>TYPE OF SHIPMENT</b>	<b>SHIPMENTS INSPECTED</b>	<b>SHIPMENTS REJECTED</b>
PARCEL CARRIER	8222	174 (38 pests found)
TRUCKS	153	6 (11 pests found)
HOUSEHOLD GOODS	140	1 (no viable GM found)
NURSERY (GWSS Program)	3,244	0 (0 egg masses)

## SUDDEN OAK DEATH (SOD)

COMPLIANCE INSPECTIONS	58
SUDDEN OAK DEATH POSITIVES	0
<b>BUSINESSES UNDER COMPLIANCE AGREEMENT</b>	
SHIPPING NURSERIES	15
GREENWASTE FACILITIES	14
WOOD PRODUCTS/WREATHS/GREENERY	41



## CANINE INSPECTION PROGRAM

Our Canine Inspection Team works at various parcel terminals to detect and inspect unmarked parcels containing unprocessed agricultural commodities to prevent the introduction of pests and diseases. Agriculture detector dogs have been shown to be highly effective in finding pests in parcels and are being used throughout the state to help protect California agriculture.

TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
PARCEL CARRIER	1444	515 (99 pests found)
A' and 'Q' rated pest interceptions	42	(50 A/Q pests)

## LIGHT BROWN APPLE MOTH PROGRAM

TYPE	NUMBER
Compliance Inspections	255
Traps In Nurseries/Crops	26 (No female adults found)
<b>BUSINESSES UNDER COMPLIANCE AGREEMENT</b>	
Crop Producers	6
Community Gardens/Direct Markets	0
Retail And Production Nurseries	17 (2 Wholesale Florists, 0 Retail Nurseries)
Greenwaste Facilities	14

## PEST DETECTION

Pest Detection is the second line of defense to prevent detrimental, non-native pests from becoming established within a large area of the county or state. Insect traps are placed and monitored to detect whether a pest is present in a particular location.

TARGET PEST	HOSTS	# OF TRAP SERVICINGS
<b>Mediterranean Fruit Fly</b>	Fruit trees	92,950
<b>Mexican Fruit Fly</b>	Fruit trees	
<b>Melon Fruit Fly</b>	Vegetable gardens	
<b>Oriental Fruit Fly</b>	Fruit trees	
<b>Other Fruit Flies</b>	Fruit trees and vegetables	
<b>Gypsy Moth</b>	Shade trees	
<b>Japanese Beetle</b>	Turf and Roses	
<b>European Pine Shoot Moth</b>	Pine trees	
<b>Trogoderma Beetle</b>	High-hazard articles	
<b>Glassy-winged Sharpshooter</b>	Landscape and nursery plants	
<b>Light Brown Apple Moth</b>	Ornamental and commercial plants	247
<b>Asian Citrus Psyllid</b>	Ornamental and nursery plants	1,821
<b>European Grapevine Moth</b>	Vineyards	674

## ORGANIC FARMING

CROP	REGISTERED PRODUCERS	ESTIMATED ACREAGE
Miscellaneous	9	122

## COMMUNITY SUPPORTED AGRICULTURE

TYPE	NUMBER	UNITS
Community Gardens	36	52 acres
School Gardens	269	92 acres
Certified Farmers Markets	35	728 stalls
Certified Producers	22	149 acres

## COUNTY BIOLOGICAL CONTROL

Biological control is the reduction of pest populations through the use of natural enemies such as parasitoids, predators, pathogens, antagonists, or competitors.

PEST	AGENTS	SCOPE OF PROGRAM
<b>YELLOW STARThISTLE</b> <i>(Centaurea solstitialis)</i>	<b>Bud Weevil</b> ( <i>Bangasternus orientalis</i> )	Countywide
	<b>Seedhead Gall Fly</b> ( <i>Urophora sirunaseva</i> )	Countywide
	<b>Seedhead Fly</b> ( <i>Chaetorellia spp.</i> )	Countywide
	<b>Hairy Weevil</b> ( <i>Eustenopus villosus</i> )	Countywide
	<b>Rust Fungus</b> ( <i>Puccinia jaceae var. solstitialis</i> )	Released in 3 Sites

## EQUINE STATISTICS

Commercial use of horses is considered an agricultural use for the purposes of the Williamson Act. This category includes the breeding and training of race horses, competition horses and ranch horses for commercial sale.

TYPE	NUMBER
Race Horses	2,000
Competition Horses	1,000
Ranch Horses	1,500
Recreation/Pleasure *	5,000

\*Ineligible for Williamson Act as being of economic benefit to agriculture.  
This category of horses however, is recognized for its ancillary benefit.

# FIVE YEAR COMPARISON SUMMARY

PRODUCTION	2014	2013	2012	2011	2010
<b>Field Crops</b>	4,919,000	\$5,404,000	\$5,611,000	\$5,311,000	\$4,482,000
<b>Vegetable Crops</b>	1,215,000	\$1,020,000	\$949,000	\$785,000	\$897,000
<b>Fruit &amp; Nut Crops</b>	16,418,000	\$16,124,000	\$14,259,000	\$12,043,000	\$11,994,000
<b>Nursery Products</b>	7,966,000	\$8,377,000	\$10,531,000	\$12,147,000	\$11,476,000
<b>Livestock &amp; Poultry</b>	15,794,000	\$11,032,000	\$8,709,000	\$10,894,000	\$6,447,000
<b>Totals</b>	46,312,000	\$41,957,000	\$40,059,000	\$41,180,000	\$35,296,000

## Alameda County General Information

County Seat.....	Oakland
County Population, 2010 .....	1,510,271
Land Area (Square Miles) .....	738
Water Area (Square Miles) .....	83.8
Persons per Square Mile, 2010 .....	2,046

### 14 Incorporated Cities

Alameda • Albany • Berkeley • Dublin • Emeryville • Fremont • Hayward  
 Livermore • Newark • Oakland • Piedmont • Pleasanton • San Leandro • Union City

### 6 Unincorporated Areas

Ashland • Castro Valley • Cherryland • Fairview • San Lorenzo • Sunol

### Facts

Total Assessed Property (Local Roll 2014-15) .....	\$229,200,000,000
Total Harvested Crop Acreage (2014) .....	185,720
Major Roads .....	Interstate 80, Interstate 580, Interstate 680, Interstate 880, Highway 238, Highway 84, Highway 92, Highway 13
Elevation .....	Sea level to 3,817 ft. at Rose Peak in the southern part of the County
Average Climate .....	Mild winters and cool summers near the Bay. The eastern portion of the County is moderately warmer; high temperatures in the Livermore Amador Valley average 90°F in July.



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## Alameda County

### MISSION

To enrich the lives of Alameda County residents through visionary policies and accessible, responsive, and effective services

### VISION

Alameda County is recognized as one of the best counties in which to live, work and do business.

### VALUES

Integrity, honesty and respect fostering mutual trust.

Transparency and accountability achieved through open communications and involvement of diverse community voices.

Fiscal stewardship reflecting the responsible management of resources.

Customer service built on commitment, accessibility and responsiveness.

Excellence in performance based on strong leadership, teamwork and a willingness to take risks.

Diversity recognizing the unique qualities of every individual and his or her perspective.

Environmental stewardship to preserve, protect and restore our natural resources.

Social responsibility promoting self-sufficiency, economic independence and an interdependent system of care and support.

Compassion ensuring all people are treated with respect, dignity and fairness.

