



***The World's Largest Open Access Agricultural & Applied Economics Digital Library***

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search  
<http://ageconsearch.umn.edu>  
[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from AgEcon Search may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

California Department of Food and Agriculture

Agricultural Commissioners' Crop Reports

# Alameda County

2010-2014

# ALAMEDA COUNTY Farm, Fresh, Fun! 2010 CROP REPORT



Department  
of  
Agriculture/Weights and Measures



## Alameda County Fair

For many years, the Alameda County Department of Agriculture/Weights and Measures has participated in the Alameda County Fair, building displays that highlight the department's programs and their benefit to the citizens of this county and state. The 2011 fair theme of 'Farm, Fresh, Fun' features a hand-crafted farm stand to showcase some of Alameda County's local producers of farm, fresh products.

The display also is intended to educate Alameda County residents about the important work the Department does every day, and while not every program the Department is involved in could be featured, some of them are highlighted by using the 'Question and Answer' interactive board, digital display screens, folding display board and with staff participation during Kid's Days featuring games and educational prizes.

The Department's talented and creative staff built most of the items in the display. The painted mural, farm stand, fencing and display boxes were all handcrafted by the team to bring texture, color and richness to the display and create a sense of enjoyment from simple things, such as riding a bike to visit a farm stand or farmer's market, buying items for a picnic, cooking from the farmer's market and just enjoying a day in the country with products grown in Alameda County.

Each year the agricultural fair displays are judged in several categories. This display received 3 first place awards, 2 second place awards, the 'Overall Judge's Favorite Ag Feature Booth' award and the Bill Ralph Award, which is the result of other fair exhibitors voting for their favorite exhibit.

Many thanks go out to all the people and organizations that helped make this agricultural fair booth display one of the best ever.



Chris Bazar  
Agency Director

ALAMEDA COUNTY COMMUNITY DEVELOPMENT AGENCY  
DEPARTMENT OF AGRICULTURE

DENNIS F. BRAY - COMMISSIONER

SCOTT T. PAULSEN - ASSISTANT COMMISSIONER

224 W. WINTON AVENUE, ROOM 184, HAYWARD, CA 94544  
phone 510.670.5232 fax 510.783.3928 [www.acgov.org/cda/awm](http://www.acgov.org/cda/awm)

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

July 5, 2011

It is my pleasure to present the 2010 Alameda County Crop Report. In accordance with Sections 2272 and 2279 of the California Food and Agricultural Code this publication is presented annually and reports statistical information on acreage, yield, and gross value of Alameda County agricultural products.

The 2010 total gross value of Alameda County's agriculture was \$35,296,000. This figure is a decrease of \$1,871,000 (5.0%) from the 2009 gross production value of \$37,167,000.

Fruit and Nut Crops, remained number one in gross production value at \$11,994,000, however this was a decrease of 15.2% from last year due primarily to lower market values of wine grapes. Wine Grapes are the single largest agricultural commodity in the county valued at \$11,419,000. Nursery products valued at \$11,476,000, which include ornamental trees and shrubs, bedding plants, and indoor decorative plants, was down by 16.1% compared to 2009 due to reduced market values. The third highest valued commodity, Livestock and Poultry, at \$6,447,000, was up significantly by 35% from the previous year due to an increase in the unit price and in herd size.

I would like to emphasize that the numbers in this report are gross values only and do not reflect costs related to production, harvesting, marketing or transportation. The overall local economic benefit of our agricultural production is generally thought to be about three times the gross production value.

I sincerely appreciate the cooperation of the many individuals and organizations who provided the necessary information for this report. I would like to thank all the members of our staff whose hard work and dedication made this report possible, with a special thank you to Janie Chambers, who will retire this year, for her creativity and support of this publication over the past ten years.

Respectfully submitted,

Dennis F. Bray  
Agricultural Commissioner

# Annual Crop Report for Year 2010

## ALAMEDA COUNTY

### Alameda County Board of Supervisors

SCOTT HAGGERTY .....	DISTRICT 1
NADIA LOCKYER.....	DISTRICT 2
WILMA CHAN.....	DISTRICT 3
NATE MILEY .....	DISTRICT 4
KEITH CARSON.....	DISTRICT 5

### County Administrative Officer

SUSAN MURANISHI

### Director, Community Development Agency

CHRIS BAZAR

### Deputy Director Agricultural Commissioner Sealer of Weights and Measures

DENNIS F. BRAY

## Table of Contents

Alameda County Fair.....	Inside Front Cover
Letter to the Secretary/Board of Supervisors .....	1
Table of Contents.....	2
Staff List.....	3
Field Crops .....	4
Fruit and Nut Crops .....	4
Vegetable Crops .....	5
Livestock and Poultry .....	5
Nursery Products.....	5
Sustainable Agriculture Report.....	6
Biological Control.....	6
Pest Management and Eradication .....	6
Pest Exclusion .....	7
Light Brown Apple Moth.....	7
Alameda County Agriculture Canine Detection Team.....	7
Pest Detection .....	8
Organic Farming.....	9
Urban Gardening .....	9
Alameda County School Gardens Map .....	9
Five Year Comparison Summary.....	10
Equine Statistics .....	10
General Alameda County Information .....	11
Alameda County Mission Statement .....	12
Farewell to Janie Chambers.....	Inside Back Cover

# Alameda County

## Department of Agriculture /Weights & Measure

### STAFF

**CDA - Deputy Director**  
**Agricultural Commissioner/Sealer of Weights and Measures**  
Dennis F. Bray

**CDA - Assistant Deputy Director**  
**Assistant Agricultural Commissioner/Sealer of Weights and Measures**  
Scott T. Paulsen

**Deputy Agricultural Commissioner**  
Ronnie K. Eaton

**Deputy Agricultural Commissioner**  
Robert Blumenthal

**Deputy Agricultural Commissioner**  
Cathy Roache

**Deputy Sealer of Weights and Measures**  
Ronald Hasemeyer

**Agricultural and Standards Manager**  
Cheryl Mailho

#### Agricultural Biologists

Lisa Centoni  
Edwin De Villa  
Edmund Duarte  
Patricia Hunt

Blane Manchester  
Kenneth Peek  
Alcides Reyes  
Justin Riggs  
Raghubinder Sahota

Arisa Soontraviratana  
Ashenafi Tadesse  
Samantha Tomlinson  
Michelle Trudeau

#### Weights and Measures Inspectors

William Alejandro  
Brent Faria

Eric Forsberg  
Ivan Gallo  
Estella Harris

Frank Jensen  
Rodolfo Raras

#### Pest Detection Specialists

Mohamed Elhashash  
Carmen Franke  
Anand Shankar

Jonathan Gomes  
Joanne Greer

#### Insect Trappers/Seasonal

Robert Brostrom  
Walter Bruj  
Gavin Edward  
Amare Haileselassie

Darin Hoagland  
Patrick Hoffman  
Mohamed Khair  
John Kransky

Khang Lam  
Seth Mariconi  
Jackie McCort

Bridget Mooney  
Rhonda Nave  
Reed O'Donnell  
Claire Perkins

Victor Rabinovich  
Nikolas Radey  
Virendra Singh  
Dereje Tamerat

**Supervising Secretary II**  
Cora Robles

#### Administrative/Clerical Support

Ricca Alcantara

Suzette Morgado

Deon Sailes

Clarice Walker

## FIELD CROPS

Crop	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Hay, Alfalfa	2010	1072	4.62	4,957	Ton	\$98.00	\$486,000.00
	2009	259	5.73	1,483	Ton	\$129.54	\$192,000.00
Hay, Other	2010	5,214	1.67	8,705	Ton	\$100.87	\$878,000.00
	2009	4,480	1.8	8,061	Ton	\$82.59	\$666,000.00
Range Pasture	2010	181,541			Acre	\$16.69	\$3,030,000.00
	2009	183,000			Acre	\$14.25	\$2,608,000.00
Miscellaneous	2010	220					\$88,000.00
	2009	293					\$265,000.00
<b>TOTAL</b>	<b>2010</b>	<b>188,047</b>					<b>\$4,482,000.00</b>
	2009	188,032					\$3,731,000.00

## FRUIT & NUT CROPS

Crop	Year	Bearing Acreage	Per Acre	Total	Unit	Per Unit	Total
Grapes (WINE) Red	2010	1,635	5.16	8,434	Ton	\$1,020.28	\$8,605,000.00
	2009	1,752	4.85	8,503	Ton	\$1,149.95	\$9,778,000.00
Grapes (WINE) White	2010	602	6.88	4,143	Ton	\$679.22	\$2,814,000.00
	2009	658	5.49	3,607	Ton	\$1,177.43	\$4,247,000.00
Misc. Fruit & Nut	2010	316					\$575,000.00
	2009	213					\$119,000.00
Total	2010	2,553					\$11,994,000.00
	2009	2,623					\$14,144,000.00

## VEGETABLE CROPS

Crop	Year	Harvested Acreage		Total
Miscellaneous Vegetables	2010	82	Includes broccoli, cabbage, corn, fava beans, leaf lettuce, greens, pumpkins, tomatoes, squash, etc.	\$897,000.00
	2009	83		\$838,000.00

## LIVESTOCK & POULTRY

Item	Year	No. of Head	Total Weight	Unit	Per Unit	Total
Cattle & Calves	2010	12,855	66,085	Cwt.	Various	\$6,231,000.00
	2009	8,342	50,627	Cwt.	Various	\$4,650,000.00
Misc. Poultry and Livestock Products	2010		Includes rabbits, sheep, wool, lambs, hogs, bees and apiary products			\$216,000.00
	2009					\$125,000.00
Total	2010					\$6,447,000.00
	2009					\$4,775,000.00

## NURSERY PRODUCTS

Item	Year	House Sq. Ft.	Field Acres	Quantity Sold	Unit	Per Unit	Total
Ornamental Trees and Shrubs	2010	705,150	158	865,545		Various	\$10,190,000.00
	2009	705,150	163	879,676		Various	\$12,564,000.00
Miscellaneous Nursery Products	2010	251,800	66	Includes bedding plants, indoor decoratives, peonies, christmas trees, cut flowers, etc.			\$1,286,000.00
	2009	311,800	10				\$1,115,000.00
Total	2010	956,950	224				\$11,476,000.00
	2009	1,016,950	173				\$13,679,000.00

# SUSTAINABLE AGRICULTURE REPORT

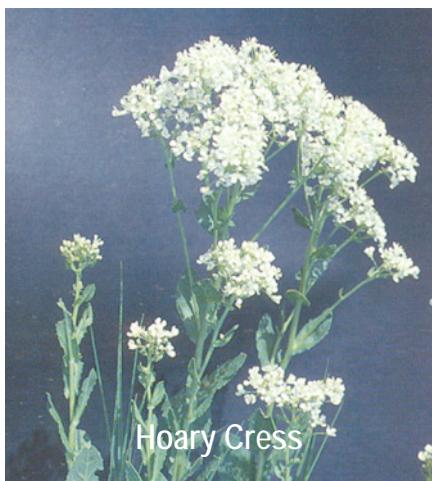
## COUNTY BIOLOGICAL CONTROL

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
YELLOW STARHISTLE ( <i>Centaurea solstitialis</i> )	Bud Weevil ( <i>Bangasternus orientalis</i> )	Countywide
	Seedhead Gall Fly ( <i>Urophora sirunaseva</i> )	Countywide
	Seedhead Fly ( <i>Chaetorellia spp.</i> )	Countywide
	Hairy Weevil ( <i>Eustenopus villosus</i> )	Countywide
Rust Fungus ( <i>Puccinia jaceae</i> var. <i>soltstitialis</i> )		Released in 3 Sites

## PEST MANAGEMENT AND ERADICATION

Weeds (Common Name/Scientific Name)	Control Method	Scope of Program (no. Sites/Treated Acres)
Puna Grass	<i>Stipa brachychaeta</i>	Monitoring
Golden Thistle	<i>Scolymus hispanicus</i>	Monitoring
Iberian Thistle	<i>Centaurea iberica</i>	Monitoring
Dalmatian Toadflax	<i>Linaria genistifolia</i>	Mechanical
Japanese Dodder	<i>Cuscuta japonica</i>	Mechanical
Artichoke Thistle	<i>Cynara cardunculus</i>	Chemical/Mechanical
Purple Star Thistle	<i>Centaurea calcitrapa</i>	Chemical/Mechanical
Russian Knapweed	<i>Acroptilon repens</i>	Mechanical
Lens-Podded Hoary Cress	<i>Cardaria chalepensis</i>	Chemical/Mechanical
Hoary Cress	<i>Cardaria draba</i>	Chemical
Skeletonweed	<i>Chondrilla juncea</i>	Mechanical
White Horsenettle	<i>Solanum elaeagnifolium</i>	Chemical/Mechanical
Invasive Spartina	<i>Spartina spp.</i>	Chemical



## 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.

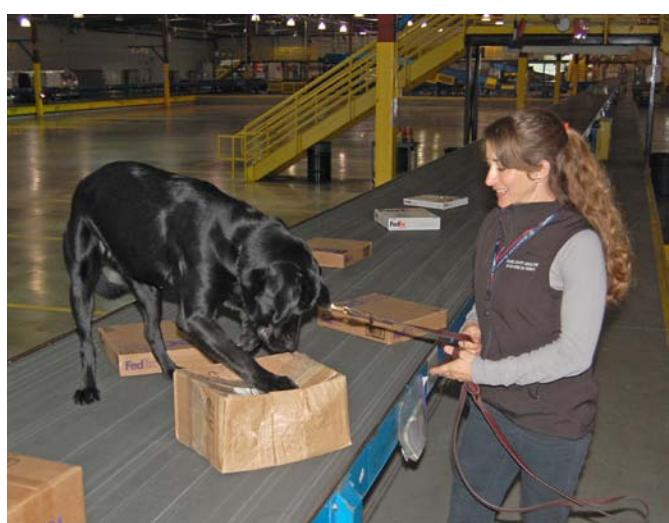
TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
PARCEL CARRIERS	7,341	138 (124 pests found)
TRUCKS	381	16 (24 pests found)
HOUSEHOLD GOODS	144	1 (no viable pests found)
NURSERY (Glassy-winged Sharpshooter)	3,653	2 (egg masses)
<b>LIGHT BROWN APPLE MOTH</b>		
COMPLIANCE INSPECTIONS		647
TRAPS IN NURSERIES		53 (No female adults found)
<b>BUSINESSES UNDER COMPLIANCE AGREEMENT</b>		
CROP PRODUCERS		7
COMMUNITY GARDENS/DIRECT MARKETS		33
RETAIL AND PRODUCTION NURSERIES		179
GREENWASTE FACILITIES		40

## Alameda County Agriculture Canine Detection Team

In 2010, Alameda County acquired a Canine Inspection Team, one of 9 counties in California to be selected for the statewide Canine Detection Program. Agricultural Biologist Lisa Centoni and her canine partner 'Cosmo' completed a rigorous 10 week training course at the USDA National Detector Dog Training Center in Georgia and began their work in various terminal facilities throughout the county in December of 2010.

Cosmo and Lisa are now one of 13 canine/handler teams working throughout California. Parcel delivery facilities, such as FedEx, UPS, and the US Postal Service can unknowingly be a point of entry for unwanted insects, weeds and plant diseases into California. Alameda County agricultural inspectors perform daily inspections throughout the county at parcel delivery facilities visually inspecting marked packages for pests and enforcing quarantine requirements for

packages moving into and through California.



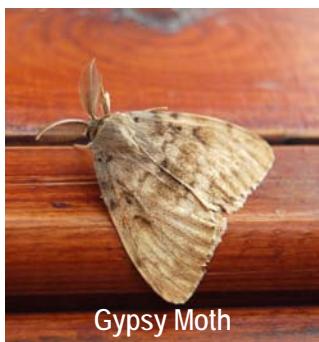
California law requires packages containing plant material to be labeled and properly identified, however unmarked agricultural packages can slip through undetected. Canine teams are used in the inspection process to increase the likelihood that unmarked packages will be found. Detecting these shipments and preventing them from being distributed is a critical part of the Pest Exclusion Program in California. Since the program began in 2008, starting with just two Canine Teams, the California Agriculture Canine Detection Teams have intercepted a total of 170 serious pests prohibited entry into California.

## PEST DETECTION

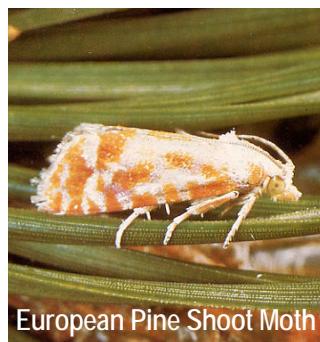
Pest detection is the second line of defense to prevent detrimental, non-native pests from becoming established within a large area of the county or state. Insect traps are placed and monitored to detect whether a pest is present in a particular location.

TARGET PEST	HOSTS	NUMBER OF TRAP SERVICINGS
Mediterranean Fruit Fly	Fruit trees	
Mexican Fruit Fly	Fruit trees	
Melon Fruit Fly	Vegetable gardens	
Oriental Fruit Fly	Fruit trees	
Other Fruit Flies	Fruit trees and vegetables	88,715
Gypsy Moth	Shade trees	
Japanese Beetle	Turf and Roses	
European Pine Shoot Moth	Pine trees	
Trogoderma Beetle	High-hazard articles	
Glassy-winged Sharpshooter	Landscape and nursery plants	13,889
Light Brown Apple Moth	Ornamental and commercial plants	3,079
Asian Citrus Psyllid	Ornamental and nursery plants	2,826
European Grapevine Moth	Vineyards	2,218

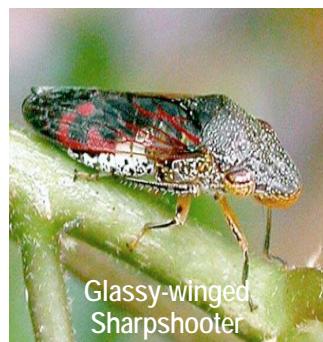
Finds of targeted pests in 2010 included 2,554 Light Brown Apple Moths throughout the county. The County Agriculture Department deployed a total of 6,937 traps to detect the presence of non-native insect pests, and serviced the traps 110,727 times during the year.



Gypsy Moth



European Pine Shoot Moth



Glassy-winged Sharpshooter



Oriental Fruit Fly



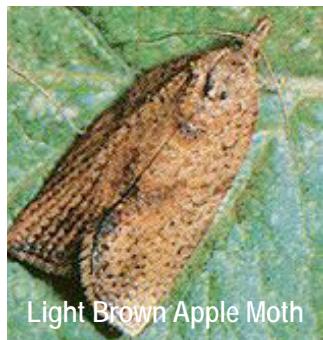
European Grapevine Moth



Mexican Fruit Fly



Mediterranean Fruit Fly



Light Brown Apple Moth

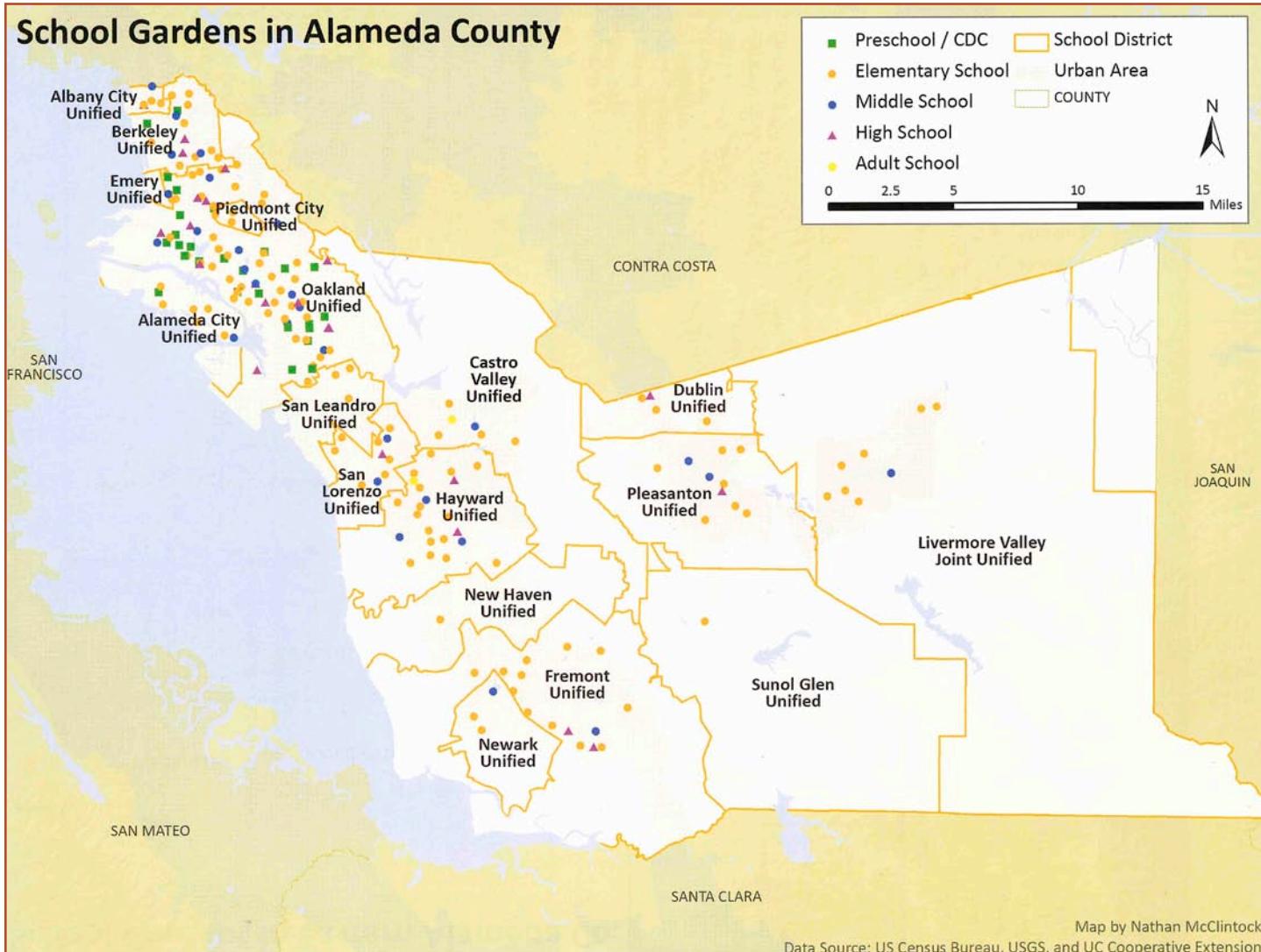
# ORGANIC FARMING

CROP	REGISTERED PRODUCERS	ESTIMATED ACREAGE
Miscellaneous	9	200

# URBAN FARMING

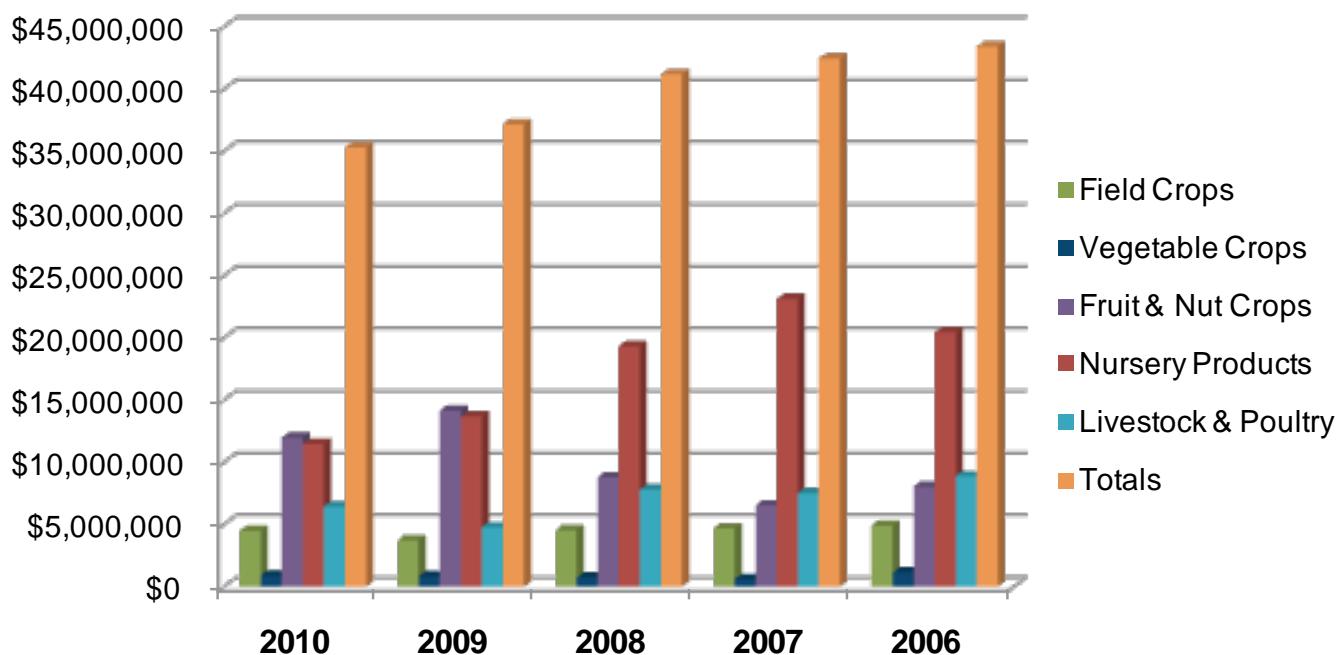
TYPE	NUMBER	ESTIMATED ACREAGE
Community Gardens	19	46 acres
School Gardens	215	66 acres
Certified Farmers Markets	34	597 stalls
Certified Producers	21	109 acres

## School Gardens in Alameda County



## FIVE YEAR COMPARISON SUMMARY

	2010	2009	2008	2007	2006
Field Crops	\$4,482,000	\$3,731,000	\$4,538,000	\$4,674,000	\$4,883,000
Vegetable Crops	897,000	838,000	745,000	601,000	1,153,000
Fruit & Nut Crops	11,994,000	14,144,000	8,772,000	6,516,000	8,049,000
Nursery Products	11,476,000	13,679,000	19,317,000	23,130,000	20,451,000
Livestock & Poultry	6,447,000	4,775,000	7,813,000	7,520,000	8,876,000
Totals	35,296,000	\$37,167,000	\$41,185,000	\$42,441,000	\$43,412,000



## EQUINE STATISTICS

Commercial use of horses is now considered an agricultural use for purposes of the Williamson Act. This category includes the breeding and training of race horses, competition horses, and ranch horses for the purpose of 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; however, this category of horses is recognized for its ancillary benefit.

# General Alameda County Information

County Seat .....	Oakland
County Population, 2010.....	1,521,157
Land Area (Square Miles) .....	737.5
Water Area (Square Miles).....	83.8
Persons per Square Mile.....	2,062

## 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

Total Assessed Property (Local Roll – 2010) ...	\$199,686,160,435
Total Harvested Crop Acreage (2010) .....	190,906
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.

# MISSION STATEMENT

## 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.



**Pink Magnolias**



**Lily Near the Window**

As mentioned in the opening letter, Janie Chambers (artistically known as Janie Marie Davis), will be retiring in September after 30 years with Alameda County. Janie has been working as a graphic designer and mapping specialist for the last 10 years at the Alameda County Community Development Agency. One of her most enjoyable and creative jobs as a designer was to produce the annual Crop Report for the Department of Agriculture/Weights and Measures. She will be moving back to Alabama to begin her career as a professional watercolorist and freelance graphic designer.

Alameda County  
Community Development Agency  
Agricultural Commissioner  
Sealer of Weights & Measures

224 W. Winton Avenue, Room 184, Hayward, California 94544  
510-670-5232 • Fax 510-783-3928



Farm Fresh



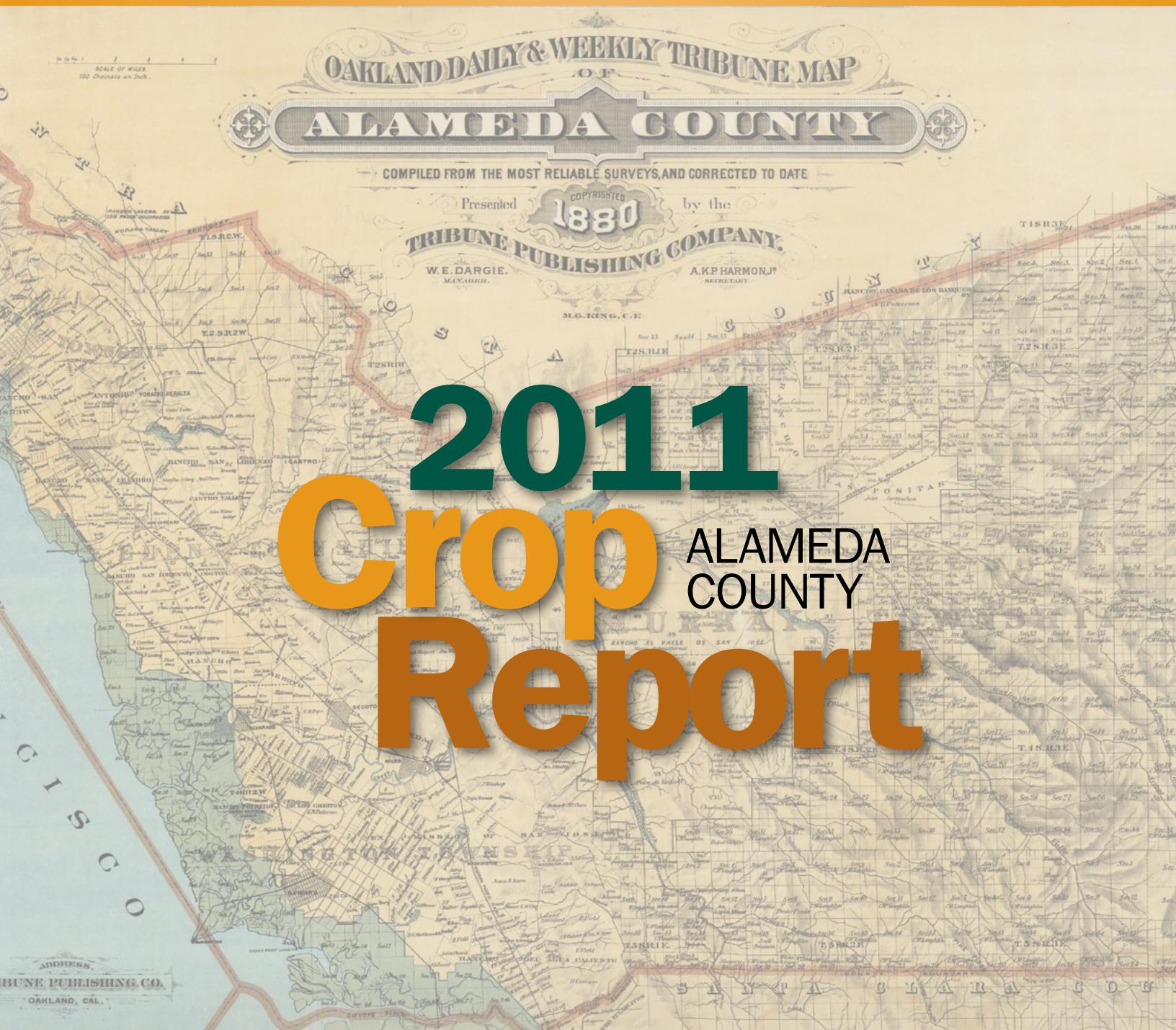
Apples



Carrots

ADHERENCE TO THEME  
INVITATIONAL EXHIBIT  
1st

DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES



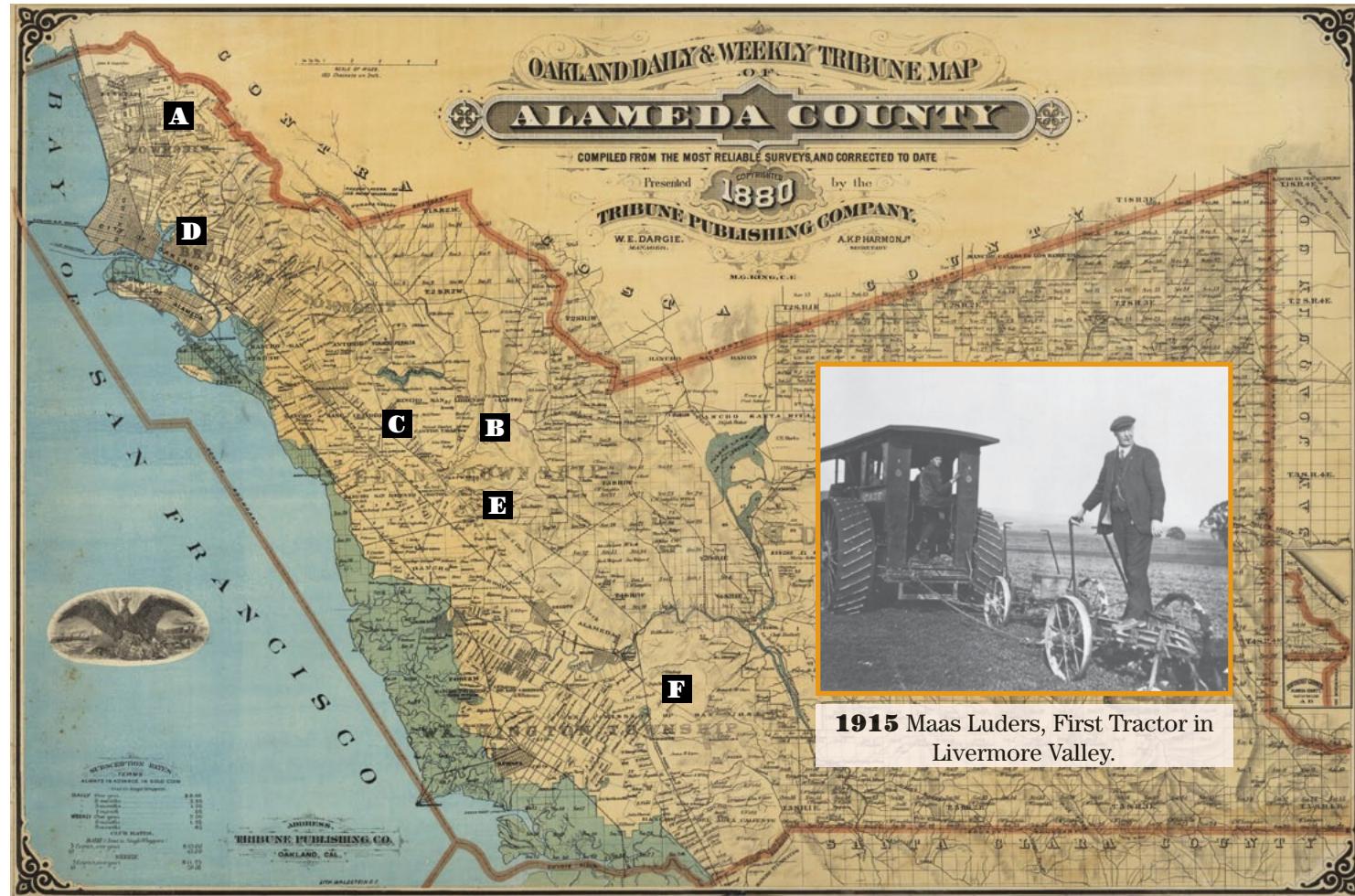
**A** 1880 Such Dairy, Berkeley



**B** 1900 Poultry farms dot the Castro Valley



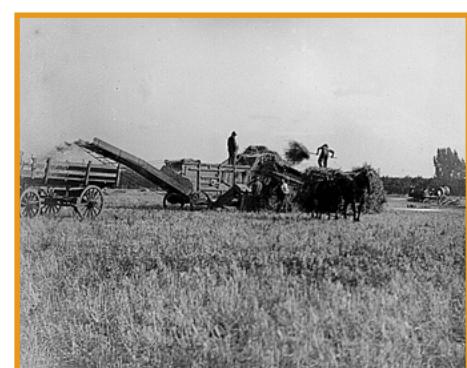
**C** 1890s An acre of Daffodils at San Leandro.



**1915** Maas Luders, First Tractor in Livermore Valley.



**D** 1915 Oakland Produce Market, 11th & Harrison



**E** 1890 Wheat harvest, Hayward



**F** 1887 Black's Field, Mission San Jose



## ALAMEDA COUNTY | Community Development Agency

### AGRICULTURE | WEIGHTS & MEASURES

June 22, 2012

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

**Chris Bazar**  
Agency Director

**Dennis F. Bray**  
Commissioner

**Scott T. Paulsen**  
Asst. Commissioner

224 W. Winton Ave  
Room 184  
Hayward, CA 94544

phone  
510.670.5232

fax  
510.783.3928

[www.acgov.org/cda](http://www.acgov.org/cda)

It is my pleasure to present the 2011 Alameda County Crop Report. In accordance with Sections 2272 and 2279 of the California Food and Agricultural Code this publication is presented annually and reports statistical information on acreage, yield, and gross value of Alameda County agricultural products.

The 2011 total gross value of Alameda County's agriculture was \$41,180,000. This figure is an increase of 5,884,000 (16.7%) from the 2010 gross production value of \$35,296,000.

Nursery Products, valued at \$12,147,000, which include ornamental trees and shrubs, bedding plants, and indoor decorative plants, led in value and were up by 5.8% compared to 2010. Fruit and Nut Crops, remained near the top in gross production as well, valued at \$12,043,000. This was a slight increase of 0.4% from last year due primarily to an increase in bearing acreage and higher market values of wine grapes. The third highest valued commodity, Livestock and Poultry, at \$10,894,000, was up significantly by 69.0% from the previous year due to an increase in the unit price and number of head sold.

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. The overall local economic benefit of our agricultural production is 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.

Respectfully submitted,

**Dennis F. Bray**  
Agricultural Commissioner  
Sealer of Weights and Measures





## BOARD OF SUPERVISORS

District 1

**SCOTT HAGGERTY**

District 2

**RICHARD VALLE**

District 3

**WILMA CHAN**

District 4

**NATE MILEY**

District 5

**KEITH CARSON**

## COUNTY ADMINISTRATOR

**SUSAN MURANISHI**



ALAMEDA COUNTY  
Community Development Agency

**DIRECTOR**

**CHRIS BAZAR**

**DEPUTY DIRECTOR**

Agricultural Commissioner  
Sealer of Weights & Measures

**DENNIS F. BRAY**

# Alameda County | Community Development Agency

## Agriculture/Weights & Measures

CDA - Deputy Director  
Agricultural Commissioner/Sealer of Weights and Measures  
Dennis F. Bray

CDA - Assistant Deputy Director  
Assistant Agricultural Commissioner/Sealer of Weights and Measures  
Scott T. Paulsen

Deputy Agricultural Commissioner/Sealer  
Ronnie K. Eaton  
Ronald Hasemeyer  
Cathy Roache

Deputy Agricultural Commissioner  
Edmund Duarte

Agricultural & Standards Manager  
Cheryl Mailho

Agricultural & Standards Investigator III  
Edwin De Villa Kenneth Peek Estella Harris  
Ashenafi Tadesse Raghubinder Sahota Patricia Hunt  
Ivan Gallo

Agricultural & Standards Investigator II  
Michelle Trudeau Arisa Soontraviratana Alcides Reyes  
Blane Manchester Lisa Centoni Eric Forsberg  
Brent Faria Rodolfo Raras Frank Jensen

Agricultural Biologists  
Justin Riggs

Weights & Measures Inspector  
William Alejandro

Agricultural & Standards Technicians  
Mohamed Elhashash Jonathan Gomes Carmen Franke  
Joanne Greer Anand Shankar

Agricultural & Standards Aides (SAN) (TAP\*)  
Robert Brostrom Patrick Hoffman\* Bridget Mooney  
Victor Rabinovich Walter Bruj Mohamed Khair\*  
Rhonda Nave Nikolas Radey Gavin Edward  
Khang Lam Reed O'Donnell Virendra Singh  
Amare Haileselassie Seth Mariconi Claire Perkins  
Dereje Tamerat Darin Hoagland Jackie McCort  
Michael Plotz\*

Supervising Secretary II  
Cora Robles

Administrative/Clerical Support  
Suzette Morgado Clarice Walker Deon Sailes



# ALAMEDA COUNTY 2011 CROP REPORT

Alameda County Agriculture Historic Photos & Map.....	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
Vegetable Crops .....	7
Livestock and Poultry .....	7
Nursery Products .....	7
Sustainable Agriculture Report.....	8
Biological Control .....	8
Pest Management and Eradication .....	8
Pest Exclusion .....	9
Canine Inspection Program .....	9
Light Brown Apple Moth Program .....	9
Pest Detection .....	10
Organic Farming .....	11
Urban Gardening .....	11
Equine Statistics .....	11
Five Year Comparison Summary .....	12
General Alameda County Information .....	13
Agricultural History .....	14
Oakland Tribune Map of Alameda County, 1880 .....	Inside Back Cover
Alameda County Agriculture circa 1890.....	Inside Back Cover
Alameda County Mission Statement .....	Back Cover

## FIELD CROPS

Crop	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Hay, Alfalfa	2011	704	4.62	3,249	Ton	\$220.00	\$715,000
	2010	1072	4.62	4,957	Ton	\$98.00	\$486,000
Hay, Other	2011	4,771	1.5	7,156	Ton	\$155.80	\$1,115,000
	2010	5,214	1.67	8,705	Ton	\$100.87	\$878,000
Range Pasture	2011	182,000			Acre	\$15.20	\$2,766,000
	2010	181,541			Acre	\$16.69	\$3,030,000
Miscellaneous	2011	973					\$715,000
	2010	220					\$88,000
Total	2011	188,448					\$5,311,000
	2010	188,047					\$4,482,000

## NURSERY PRODUCTS

Item	Year	House Sq. Ft.	Field Acres	Quantity Sold	Unit	Per Unit	Total
Ornamental Trees and Shrubs	2011	661,555	158	641,172	Plt.	Various	\$10,865,000
	2010	705,150	158	865,545	Plt.	Various	\$10,190,000
Miscellaneous Nursery Products	2011	211,300	68	Includes bedding plants, indoor decoratives, peonies, christmas trees, cut flowers, etc			
	2010	251,800	66	\$1,286,000			
Total	2011	872,855	226				\$12,147,000
	2010	956,950	224				\$11,476,000

## FRUIT & NUT CROPS

Crop	Year	Bearing Acreage	Per Acre	Total	Unit	Ave Per Unit	Total
Grapes (WINE)Red	2011	1,988	3.38	6,719	Ton	\$1,362.91	\$9,157,000
	2010	1,635	5.16	8,434	Ton	\$1,020.28	\$8,605,000
Grapes (WINE)White	2011	658	3.75	2,469	Ton	\$1,117.64	\$2,759,000
	2010	602	6.88	4,143	Ton	\$679.22	\$2,814,000
Misc. Fruit & Nut	2011	321					\$127,000
	2010	316					\$575,000
Total	2011	2,967					\$12,043,000
	2010	2,553					\$11,994,000

## VEGETABLE & POULTRY

Crop	Year	Harvested Acreage		Total
Miscellaneous Vegetables	2011	82	Includes broccoli, cabbage, corn, fava beans, leaf lettuce, greens, pumpkins, tomatoes, squash, etc.	
	2010	82	\$897,000	

## LIVESTOCK & POULTRY

Item	Year	No. Of Head	Total Weight	Unit	Ave Per Unit	Total
Cattle & Calves	2011	13,794	88,281	Cwt.	VARIOUS	\$10,329,000
	2010	12,855	66,085	Cwt.	VARIOUS	\$6,231,000
Misc. Poultry and Livestock Products	2011					\$565,000
	2010					\$216,000
Total	2011					\$10,894,000
	2010					\$6,447,000

## 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
YELLOW STARTHISTLE ( <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</i> spp.)	Countywide
	<b>Hairy Weevil</b> ( <i>Eustenopus villosus</i> )	Countywide
	<b>Rust Fungus</b> ( <i>Puccinia jaceae</i> var. <i>sostitialis</i> )	Released in 3 Sites

## 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.

TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
PARCEL CARRIER	8740	171 (73 pests found)
TRUCKS	365	25 (5 pests found)
HOUSEHOLD GOODS	197	2 (no viable GM found)
NURSERY (GWSS Program)	3,653	2 (egg masses)

## PEST MANAGEMENT & ERADICATION

WEEDS (Common Name/Scientific Name)		CONTROL METHOD	SCOPE OF PROGRAM (No. Sites/Net Treated Acres)
Puna Grass	<i>Stipa brachychaeta</i>	Chemical/Mechanical	1 Site - 0.001 acres
Golden Thistle	<i>Scolymus hispanicus</i>	Monitoring	720 acres
Iberian Thistle	<i>Centaurea iberica</i>	Monitoring	Regional, no recent finds
Dalmatian Toadflax	<i>Linaria genistifolia</i>	Mechanical Removal	1 Site – 0.1 acres
Japanese Dodder	<i>Cuscuta japonica</i>	Mechanical Removal	3 Sites- 0.02 acres
Artichoke Thistle	<i>Cynara cardunculus</i>	Chemical/Mechanical	Various, 28.15 net acres
Purple Starthistle	<i>Centaurea calcitrapa</i>		
Pampas Grass	<i>Coreoeridia selloana</i>	Chemical/Mechanical	1 site, 2 acres
Hoary Cress	<i>Cardaria</i> spp.	Chemical/Mechanical	4 sites, 3.5 acres
White Horsenettle	<i>Solanum elaeagnifolium</i>	Chemical/Mechanical	4 sites, 0.75 acres
Skeletonweed	<i>Chondrilla juncea</i>	Chemical/Mechanical	2 sites, 0.5 acre
Invasive Spartina	<i>Spartina</i> spp.	Chemical	Regional, 7.04 acres
Russian Knapweed	<i>Acroptilon repens</i>	Chemical/Mechanical	3 sites, 2 acres
Kangaroo Thorn	<i>Acacia paradoxa</i>	Chemical/Mechanical	3 sites, 0.5 acres

## CANINE INSPECTION PROGRAM

The 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	1,309	156 (38 pests found)
'A' and 'Q' rated pest interceptions	14	16

## LIGHT BROWN APPLE MOTH PROGRAM

COMPLIANCE INSPECTIONS	789
TRAPS IN NURSERIES/CROPS	51 (No female adults found)
<b>BUSINESSES UNDER COMPLIANCE AGREEMENT</b>	
CROP PRODUCERS	7
COMMUNITY GARDENS/DIRECT MARKETS	8
RETAIL AND PRODUCTION NURSERIES	160
GREENWASTE FACILITIES	30

## 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	
<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	93,078
<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	15,787
<b>Light Brown Apple Moth</b>	Ornamental and commercial plants	821
<b>Asian Citrus Psyllid</b>	Ornamental and nursery plants	3,150
<b>European Grapevine Moth</b>	Vineyards	3,963

Finds of targeted pests in 2011 included two Oriental fruit flies found in Pleasanton. The County Agriculture Department deployed a total of 6,884 traps to detect the presence of non-native insect pests, and serviced the traps 116,799 times during the year.



“The law required that fruit trees infested with injurious insects or germs should be cleaned or disinfected before April 1, 1885, and on or before that month every year thereafter. It was a misdemeanor to fail in this duty.”

“Early in December the county board ordained that ground squirrels” infesting the lands in the County of Alameda “were a public nuisance and required all owners and occupants of lands within this county to exterminate and destroy them within ninety days after the ordinance should take effect and thereafter keep the lands free from the pests.”



“In 1913 1,556 acres were planted in sugar beets, which yielded about ten tons per acre. In the county are from 300 to 500 sugar beet growers. The Alvarado factory has a daily capacity of 900 tons.”

“The tomato crop occupied 1,400 acres; product 16,800 tons, worth from \$7 to \$8.50 per ton. In the Livermore district wine grapes occupied 4,232 acres.”

## ORGANIC FARMING

CROP	REGISTERED PRODUCERS	ESTIMATED ACREAGE
<b>Miscellaneous</b>	10	240

## URBAN FARMING

TYPE	NUMBER	UNITS
<b>Community Gardens</b>	19	46 acres
<b>School Gardens</b>	215	66 acres
<b>Certified Farmers Markets</b>	32	599 stalls
<b>Certified Producers</b>	25	147 acres

## EQUINE STATISTICS

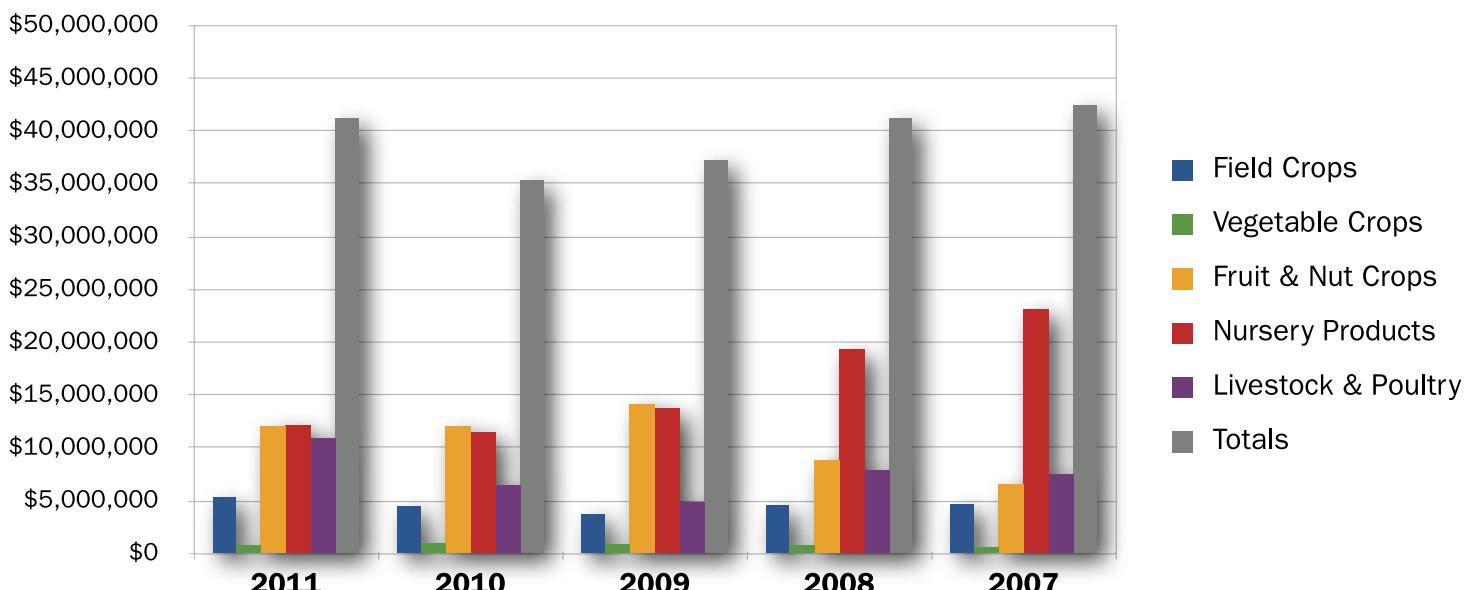
Commercial use of horses is considered an agricultural use for the purposes of the Williamson Act. This category includes the breeding and training of race horses, competition horses and ranch horses for commercial sale.

TYPE	NUMBER
<b>Race Horses</b>	2,000
<b>Competition Horses</b>	1,000
<b>Ranch Horses</b>	1,500
<b>Recreation/Pleasure *</b>	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

	2011	2010	2009	2008	2007
<b>Field Crops</b>	<b>\$5,311,000</b>	\$4,482,000	\$3,731,000	\$4,538,000	\$4,674,000
<b>Vegetable Crops</b>	<b>\$785,000</b>	\$897,000	\$838,000	\$745,000	\$601,000
<b>Fruit &amp; Nut Crops</b>	<b>\$12,043,000</b>	\$11,994,000	\$14,144,000	\$8,772,000	\$6,516,000
<b>Nursery Products</b>	<b>\$12,147,000</b>	\$11,476,000	\$13,679,000	\$19,317,000	\$23,130,000
<b>Livestock &amp; Poultry</b>	<b>\$10,894,000</b>	\$6,447,000	\$4,775,000	\$7,813,000	\$7,520,000
<b>Totals</b>	<b>\$41,180,000</b>	\$35,296,000	\$37,167,000	\$41,185,000	\$42,441,000



### Agricultural History

“By 1900 it was well recognized that the county was divided by soil, water and other surroundings into three natural districts: cherry, apricot and grape. The stretch of country from Oakland to Haywards is the home of the cherry; the tract from Haywards south and east to the county line with Niles as a center is the region devoted to apricot growing, and the Livermore valley is the natural habitat of the grape. At this date the annual county cherry crop was worth about two hundred and fifty thousand dollars. The apricots of the Niles region are famous for their size, color and flavor, and good apricot land is worth from \$500 to \$1,000 per acre. As a matter of fact cherries and apricots are the king and the queen of Alameda county fruits.”

## Alameda County General Information

County Seat .....	Oakland
County Population, 2010.....	1,521,157
Land Area (Square Miles).....	737.5
Water Area (Square Miles).....	83.8
Persons per Square Mile.....	2,062

### 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 – 2010) .....	\$199,686,160,435
Total Harvested Crop Acreage (2010).....	191,723
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.

## Agricultural History

In 1868 J. Lusk, who owned a ranch about four miles from Oakland, cultivated fifty acres of raspberries. He sent to market ninety tons of fresh berries and received therefor 10 cents per pound or a total of \$18,000. He manufactured twenty tons into jams, jellies, and pie-fruit and realized therefrom about ten thousand dollars. He made 15,000 gallons of wine worth 25 cents per gallon and 10,000 gallons of vinegar worth 20 cents per gallon. The total crop returned him \$36,250. The cost of cultivating, picking, canning, barrelling and putting the crop in market was estimated by him at \$20,000.



**1887** Ruby Hill Wine Cellars

Livermore valley was represented by thirty-one samples of different blends of wine of the 1884 vintage. All the samples showed a perfect fermentation, fine color and an excellent fruity and mellow taste. By the last of December, 1884, the valley had 1,975 acres in vines, owned by fifty-eight different persons, thirty-six of whom were newcomers in the valley and twenty-eight of whom built houses and barns and otherwise improved their plantations. Eight lived in San Francisco and hired residents to attend their vineyards.

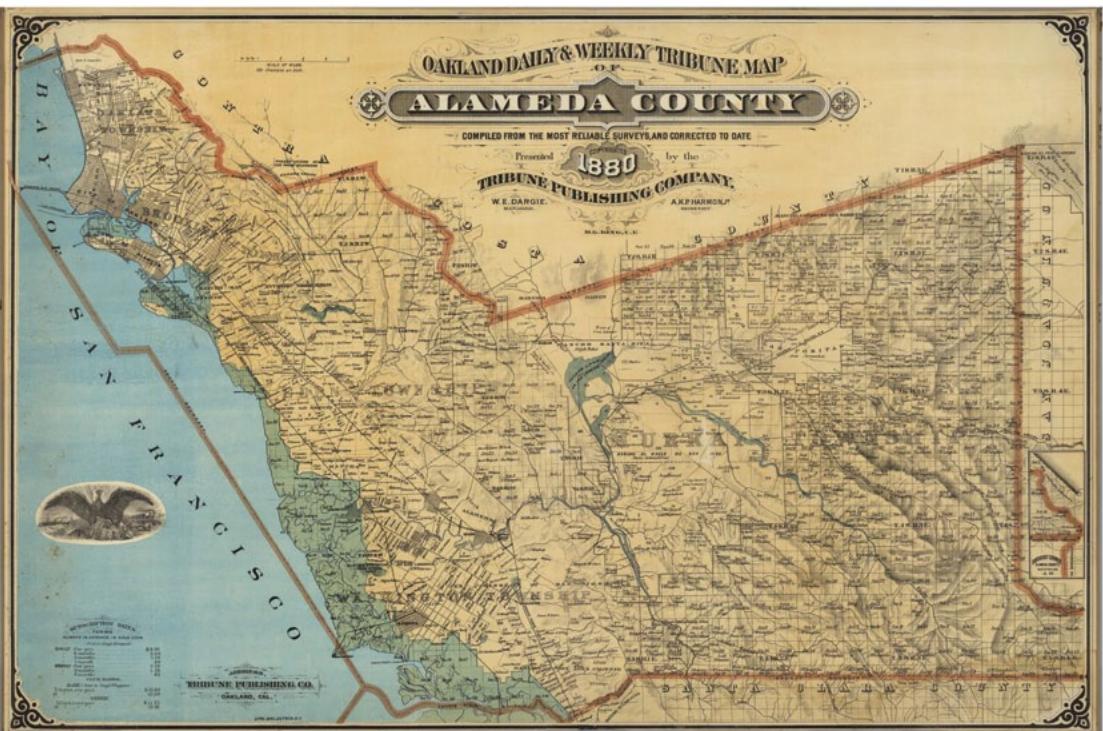
At Sunol in December herds of cattle were sold at an average of \$21.50 per head; they were fattened on the grass of the foothills.

The California Nursery Company was organized in 1884 by John Rock, R. D. Fox, James Hutchison, Thomas Mehsiro, W. J. Landers and J. Henri and a tract of about five hundred acres near Niles was purchased and divided into 100-acre sections. The first act was to set out on one of the sections 700,000 stock plants for budding purposes. Over \$30,000 was expended before there were any financial returns. Hundreds of orchards in this part of the state were supplied from this nursery.

In 1902 there were five large canneries in operation: Hunt Brothers at Haywards; Oakland Preserving Company of Oakland; Hickmot cannery; San Leandro cannery, and Hood cannery of Emeryville. At this time the five packed nearly five hundred thousand cases per annum. The pack consisted largely of cherries, peaches, apricots, pears, plums, tomatoes, peas and many small fruits, berries, etc.

The Olivina vineyard in Livermore valley was the largest in the county in 1890-91. It comprised 660 acres of vines, of which 475 acres were bearing. The crop of 1890 was 1,300 tons. In 1885 this vineyard comprised 400 acres and produced 100 tons.

*Excerpts for 'AGRICULTURAL HISTORY' are taken from the California Genealogy & History Archives <http://www.rootsweb.ancestry.com/~cagha/index.htm> PAST AND PRESENT OF ALAMEDA COUNTY CALIFORNIA, Joseph Baker, Editor, Volume I, Illustrated - Chicago, The S. J. Clarke Publishing Company 1914 CHAPTER XI FARMING, FRUIT-GROWING, STOCK-RAISING, ETC.*



## Oakland Tribune Map of Alameda County, 1880

FROM THE COLLECTION OF MUSEUM ON MAIN, PLEASANTON

This full-color map, based on the latest land surveys available at the time, shows the distribution of land ownership in Alameda County in 1880.

Note that the locations of the old Mexican ranchos are marked, even where they had been broken up into smaller properties and sold (or lost to squatters).

MAP DONATED TO THE MUSEUM BY EVELYN MOLLER.

## Alameda County Agriculture circa 1890

*The following excerpts are taken from the California Genealogy & History Archives <http://www.rootsweb.ancestry.com/~cagha/index.htm>*

**A MEMORIAL AND BIOGRAPHICAL HISTORY OF NORTHERN CALIFORNIA**  
- Chicago, Lewis, Publ. Co., 1891

*"Alameda derives its name from the Spanish term "alameda," signifying a "grove of poplars," many trees of that kind having by the original settlers been found growing along the streams."*

"Alameda County has made a marvelous growth, being helped in that by the fertility of her soil not less than by her proximity to San Francisco and her position on the bay. She ranks as one of the most productive agricultural counties on the coast, more of her surface, proportionately to area, being cultivated than that of any other. The produce of her grain and hay fields is very large, but larger yet are the returns from the gardens, orchards and vineyards with which she is covered. Certain parts are noted for their cherries, apricots peaches, etc., as about San Fernando

and Haywards and the bay side of the county generally. About the Mission San Jose are immense vineyards and wineries, and the vegetable and small fruit gardens of the same parts, and especially of the lower lands, are noted far and wide. At the Mission San Jose is the winery of Juan Gollegos, one of the largest in the State. Of late, the Livermore Valley has become noted also for its wines, being reckoned hardly second to the Sonoma Valley or to Napa County. Its orchards of almost every variety of fruit are also now become very prominent."



## AGRICULTURE / WEIGHTS & MEASURES



224 W. Winton Avenue • Room 184  
Hayward, California 94544  
phone 510.670.5232  
[www.acgov.org/cda](http://www.acgov.org/cda)

# 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.



DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

# 2012 Crop Report

ALAMEDA  
COUNTY



ALAMEDA COUNTY  
Community Development Agency



The Koopmann Family – Tim, Carissa, Clayton and Melinda.

*(Photo provided courtesy of the Sand County Foundation, photo credit: Paolo Vescia)*

## Leopold Conservation Award

In January 2012 Alameda County Rancher Tim Koopmann received the 2011 Leopold Conservation Award. The Leopold Conservation Award recognizes exemplary achievement in voluntary conservation by private land owners and families for their commitment to enhancing the natural resources that are in their care, and for helping the general public to understand the vital role private landowners play in conservation success.

Tim Koopmann is a third generation rancher from Sunol, California, and also works as a Watershed Resources Specialist for the San Francisco Public Utilities Commission. In his private and professional

capacities, Tim manages over 40,000 acres of watershed lands in Alameda County and the greater San Francisco Bay Area. Tim has over the years demonstrated a profound ability to foster partnerships between conservation and ranching communities, and has been a strong voice for sustaining agriculture for generations to come.

In further recognition of Tim's work and proud accomplishments, on November 17th 2012 Tim was also elected 46th president of the California Cattlemen's Association. We applaud Mr. Koopmann for his leadership and congratulate him as he is recognized for his outstanding personal and career accomplishments.

**Chris Bazar**

Agency Director

**Dennis F. Bray**

Commissioner

**Scott T. Paulsen**

Asst. Commissioner

224 W. Winton Ave  
Room 184  
Hayward, CA 94544phone  
510.670.5232fax  
510.783.3928[www.acgov.org/cda](http://www.acgov.org/cda)

June 28, 2013

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

It is my pleasure to present the 2012 Alameda County Crop Report. In accordance with Sections 2272 and 2279 of the California Food and Agricultural Code this publication is presented annually and reports statistical information on acreage, yield, and gross value of Alameda County agricultural products.

The 2012 total gross value of Alameda County's agriculture was \$40,059,000. This figure is a decrease of 1,121,000 (2.7%) from the 2011 gross production value of \$41,180,000.

Fruit and Nut Crops, went to the top in gross value production in 2012, valued at \$14,259,000. This was a significant increase of 18.4% from last year due primarily to an increase in bearing acreage and total tonnage of wine grapes which experienced a very good production season. Nursery Products dropped in value by 13.3% compared to 2011 to \$10,531,000, which include ornamental trees and shrubs, bedding plants, and indoor decorative plants. Nursery acreage and sales have declined in recent years in accordance with the sluggish economy. The third highest valued commodity, Livestock and Poultry, at \$8,709,000, was down significantly by 20.1% from the previous year a result of severe drought conditions in the 2012 rangeland forage season. This is a result of lower production yields and culling of herds by cattle producers.

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. The overall local economic benefit of our agricultural production is 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.

Respectfully submitted,

**Dennis F. Bray**  
Agricultural Commissioner  
Sealer of Weights and Measures







# ALAMEDA COUNTY 2012 CROP REPORT

Leopold Conservation Award .....	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
Pest Management and Eradication .....	8
County Biological Control .....	8
Pest Exclusion .....	8
Canine Inspection Program .....	9
Light Brown Apple Moth Program .....	9
Pest Detection .....	9
Sustainable Agriculture Report .....	10
Organic Farming .....	10
Community Supported Agriculture .....	10
Equine Statistics .....	10
Five Year Comparison Summary .....	11
General Alameda County Information .....	11
Alameda County Mission Statement .....	Back Cover

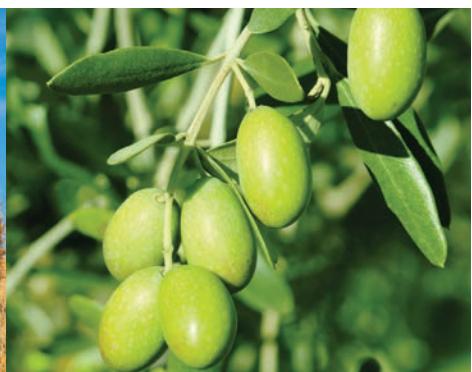


# FIELD CROPS

Crop	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
<b>Hay, Alfalfa</b>	<b>2012</b>	<b>789</b>	<b>5.06</b>	<b>3,992</b>	<b>Ton</b>	<b>\$233.00</b>	<b>\$930,000</b>
	2011	704	4.62	3,249	Ton	\$220.00	\$715,000
<b>Hay, Other</b>	<b>2012</b>	<b>5,243</b>	<b>1.48</b>	<b>7,973</b>	<b>Ton</b>	<b>\$157.00</b>	<b>\$1,252,000</b>
	2011	4,771	1.50	7,156	Ton	\$155.80	\$1,115,000
<b>Range Pasture</b>	<b>2012</b>	<b>182,000</b>			<b>Acre</b>	<b>\$16.62</b>	<b>\$3,025,000</b>
	2011	182,000			Acre	\$15.20	\$2,766,000
<b>Miscellaneous</b>	<b>2012</b>	<b>640</b>					<b>\$404,000</b>
	2011	973					\$715,000
<b>Total</b>	<b>2012</b>	<b>188,672</b>					<b>\$5,611,000</b>
	2011	188,448					\$5,311,000

# FRUIT & NUT CROPS

Crop	Year	Bearing Acreage	Per Acre	Total	Unit	Ave Per Unit	Total
<b>Grapes (WINE)Red</b>	<b>2012</b>	<b>2,193</b>	<b>3.65</b>	<b>8,008</b>	<b>Ton</b>	<b>Various</b>	<b>\$10,384,000</b>
	2011	1,988	3.38	6,719	Ton	Various	\$9,157,000
<b>Grapes (WINE)White</b>	<b>2012</b>	<b>748</b>	<b>4.03</b>	<b>3,018</b>	<b>Ton</b>	<b>Various</b>	<b>\$3,380,000</b>
	2011	658	3.75	2,469	Ton	Various	\$2,759,000
<b>Misc. Fruit &amp; Nut</b>	<b>2012</b>	<b>343</b>					<b>\$495,000</b>
	2011	321					\$127,000
<b>Total</b>	<b>2012</b>	<b>3,284</b>					<b>\$14,259,000</b>
	2011	2,967					\$12,043,000



## NURSERY PRODUCTS

Item	Year	House Sq. Ft.	Field Acres	Quantity Sold	Unit	Per Unit	Total
<b>Ornamental Trees and Shrubs</b>	<b>2012</b>	<b>91,555</b>	<b>149</b>	<b>513,995</b>	<b>Plt.</b>	<b>Various</b>	<b>\$9,413,000</b>
	2011	661,555	158	641,172	Plt.	Various	\$10,865,000
<b>Miscellaneous Nursery Products</b>	<b>2012</b>	<b>320,880</b>	<b>70</b>	Includes bedding plants, cut flowers, indoor decoratives, christmas trees, vegetable starts, etc.			<b>\$1,118,000</b>
	2011	211,300	68				\$1,282,000
<b>Total</b>	<b>2012</b>	<b>412,435</b>	<b>219</b>				<b>\$10,531,000</b>
	2011	872,855	226				\$12,147,000

## VEGETABLE CROPS

Crop	Year	Harvested Acreage		Total
<b>Miscellaneous Vegetables</b>	<b>2012</b>	<b>83</b>	Includes broccoli, cabbage, corn, leaf lettuce, greens, pumpkins, tomatoes, squash, etc.	<b>\$949,000</b>
	2011	82		\$785,000

## LIVESTOCK & POULTRY

Item	Year	No. Of Head	Total Weight	Unit	Ave Per Unit	Total
<b>Cattle &amp; Calves</b>	<b>2012</b>	<b>11,208</b>	<b>64,669</b>	<b>Cwt.</b>	<b>VARIOUS</b>	<b>\$8,191,000</b>
	2011	13,794	88,281	Cwt.	VARIOUS	\$10,329,000
<b>Misc. Poultry and Livestock Products</b>	<b>2012</b>	Includes sheep, goats, pigs, lambs, bees and apiary products				<b>\$518,000</b>
	2011					\$565,000
<b>Total</b>	<b>2012</b>					<b>\$8,709,000</b>
	2011					\$10,894,000



# PEST MANAGEMENT & ERADICATION

WEEDS (Common Name/Scientific Name)		CONTROL METHOD	SCOPE OF PROGRAM (No. Sites/Net Treated Acres)
<b>Puna Grass</b>	<i>Stipa brachychaeta</i>	Monitoring	1 site - monitoring
<b>Golden Thistle</b>	<i>Scolymus hispanicus</i>	Monitoring	720 acres
<b>Iberian Starthistle</b>	<i>Centaurea iberica</i>	Monitoring	1 site, monitoring
<b>Dalmatian Toadflax</b>	<i>Linaria genistifolia</i>	Mechanical Removal	1 Site – 0.1 acres
<b>Japanese Dodder</b>	<i>Cuscuta japonica</i>	Mechanical Removal	4 sites- 0.05 acres
<b>Artichoke Thistle</b>	<i>Cynara cardunculus</i>	Chemical/Mechanical	various, 40 net acres
<b>Purple Starthistle</b>	<i>Centaurea calcitrapa</i>		
<b>Hoary Cress</b>	<i>Cardaria spp.</i>	Chemical/Mechanical	4 sites, 3.5 acres
<b>White Horsenettle</b>	<i>Solanum elaeagnifolium</i>	Chemical/Mechanical	4 sites, 0.75 acres
<b>Skeletonweed</b>	<i>Chondrilla juncea</i>	Mechanical Removal	2 sites, 0.5 acre
<b>Invasive Spartina</b>	<i>Spartina spp.</i>	Chemical	regional, 5 acres
<b>Russian Knapweed</b>	<i>Acroptilon repens</i>	Chemical/Mechanical	4 sites, 1.5 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

## 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.

TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
PARCEL CARRIER	7838	126 (40 pests found)
TRUCKS	148	1 (1 pests found)
HOUSEHOLD GOODS	182	0 (no viable GM found)
NURSERY (GWSS Program)	2712	0 (egg masses)

# CANINE INSPECTION PROGRAM

The 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	2065	195 (28 pests found)
'A' and 'Q' rated pest interceptions	17	17

## LIGHT BROWN APPLE MOTH PROGRAM

COMPLIANCE INSPECTIONS	429
TRAPS IN NURSERIES/CROPS	55 (No female adults found)
<b>BUSINESSES UNDER COMPLIANCE AGREEMENT</b>	
CROP PRODUCERS	7
COMMUNITY GARDENS/DIRECT MARKETS	0
RETAIL AND PRODUCTION NURSERIES	127
GREENWASTE FACILITIES	16

## 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	
<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	77,801
<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	13,870
<b>Light Brown Apple Moth</b>	Ornamental and commercial plants	409
<b>Asian Citrus Psyllid</b>	Ornamental and nursery plants	5,038
<b>European Grapevine Moth</b>	Vineyards	86

## ORGANIC FARMING

CROP	REGISTERED PRODUCERS	ESTIMATED ACREAGE
Miscellaneous	10	240

## COMMUNITY SUPPORTED AGRICULTURE

TYPE	NUMBER	UNITS
Community Gardens	21	48 acres
School Gardens	270	94 acres
Certified Farmers Markets	37	615 stalls
Certified Producers	23	157 acres

## 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	2012	2011	2010	2009	2008
<b>Field Crops</b>	\$5,611,000	\$5,311,000	\$4,482,000	\$3,731,000	\$4,538,000
<b>Vegetable Crops</b>	\$949,000	\$785,000	\$897,000	\$838,000	\$745,000
<b>Fruit &amp; Nut Crops</b>	\$14,259,000	\$12,043,000	\$11,994,000	\$14,144,000	\$8,772,000
<b>Nursery Products</b>	\$10,531,000	\$12,147,000	\$11,476,000	\$13,679,000	\$19,317,000
<b>Livestock &amp; Poultry</b>	\$8,709,000	\$10,894,000	\$6,447,000	\$4,775,000	\$7,813,000
<b>Totals</b>	\$40,059,000	\$41,180,000	\$35,296,000	\$37,167,000	\$41,185,000

## Alameda County General Information

County Seat.....	Oakland
County Population, 2010 .....	1,510,271
Land Area (Square Miles) .....	737.5
Water Area (Square Miles) .....	83.8
Persons per Square Mile .....	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 2012-13) .....	\$204,700,974,963
Total Harvested Crop Acreage (2012) .....	192,267
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.



## AGRICULTURE / WEIGHTS & MEASURES



224 W. Winton Avenue • Room 184  
Hayward, California 94544  
phone 510.670.5232  
[www.acgov.org/cda](http://www.acgov.org/cda)

# 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.



DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES



# 2013 Crop Report

ALAMEDA  
COUNTY



ALAMEDA COUNTY  
Community Development Agency



## **Dennis F. Bray, retired**

**Alameda County Agricultural Commissioner/ Sealer  
2003-2014**

Dennis F. Bray, retired after 33 years of public service to the County Agricultural Commissioner/ Sealer System. He began his career in 1980 with Kings County Department of Agriculture as an Agricultural Biologist. He was appointed by their Board of Supervisors as the Agricultural Commissioner and Sealer of Weights & Measures in 1996 and then in 2003, appointed as the Alameda County Agricultural Commissioner and Sealer of Weights and Measures until his retirement in March of 2014.

Dennis was a strong supporter of bringing agriculture to all of Alameda County. He expanded the Alameda County Agriculture in the Classroom program to heighten the awareness and importance that agriculture has on the everyday lives of our youth. He was also instrumental in bringing the first Canine Inspection Team to Alameda County, enhancing the pest prevention program to keep out serious pests that are detrimental to agriculture and the environment.

Dennis zealously promoted and protected agriculture, working cooperatively with industry, state, and federal agencies to successfully eradicating several infestations of various Fruit Fly and Vineyard Pests in Alameda County over the past eleven years preventing further spread and damage throughout California.

Dennis served as a member and President of the Alameda County Mosquito Abatement District Board of Trustees, ex-officio member of the Alameda County Agricultural Advisory Committee and Farm Bureau, and was honored in 2013 by the Alameda County Farm Bureau as their "Agriculturalist of the Year".

**We wish Dennis a long and happy retirement.**



## ALAMEDA COUNTY | Community Development Agency

### AGRICULTURE / WEIGHTS & MEASURES DEPARTMENT

**Chris Bazar**  
Agency Director

**Scott T. Paulsen**  
Agricultural  
Commissioner/Sealer

224 W. Winton Ave.  
Room 184  
Hayward, CA 94544

phone  
510.670.5232

fax  
510.670.3928

[www.acgov.org/cda](http://www.acgov.org/cda)

July 31, 2014

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

It is my pleasure to present the 2013 Alameda County Crop Report. In accordance with Sections 2272 and 2279 of the California Food and Agricultural Code this publication is presented annually and reports statistical information on acreage, yield, and gross value of Alameda County agricultural products.

The 2013 total gross value of Alameda County's agriculture was \$41,957,000. This figure is an increase of 1,898,000 (4.7%) from the 2012 gross production value of \$40,059,000.

Fruit and Nut Crops, remained the top grossing commodity group in 2013 valued at \$16,124,000, a 13.1% increase from 2012. This increase was due to high tonnage yields of winegrapes during another highly productive season. Nursery Products fell in value to \$8,377, 000, a decrease of 20.5% from 2012. Nursery Products, which include ornamental trees and shrubs, bedding plants, and indoor decorative plants declined for a third consecutive year. This was caused by diminishing production acreages and reduced sales due to the drought and a still struggling economy. Vegetable Crops increased 7.5% in 2013 to a value of \$1,020,000. Livestock and Poultry production underwent a significant 26.7% increase in 2013 to a value of \$11,032,000. This boost was a result of drought related management strategies which included extensive culling of herds. Field Crops declined 3.7% from 2012 to \$5,404,000 with production losses attributable primarily to reduced value in dryland hay.

It is important to emphasize the numbers in this report are gross values only and do not reflect costs related to production, harvesting, marketing or transportation. The overall local economic benefit of our agricultural production is 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,

A handwritten signature in black ink, appearing to read "Scott T. Paulsen".

**Scott T. Paulsen**  
Agricultural Commissioner  
Sealer of Weights and Measures





## BOARD OF SUPERVISORS

District 1

**SCOTT HAGGERTY**

Vice President

District 2

**RICHARD VALLE**

District 3

**WILMA CHAN**

District 4

**NATE MILEY**

District 5

**KEITH CARSON**

President

## COUNTY ADMINISTRATOR

**SUSAN MURANISHI**



ALAMEDA COUNTY  
Community Development Agency

**DIRECTOR**

**CHRIS BAZAR**

**DEPUTY DIRECTOR**

Agricultural Commissioner  
Sealer of Weights & Measures

**SCOTT T. PAULSEN**

# Alameda County | **Community Development Agency** **Agriculture/Weights & Measures**

CDA - Deputy Director  
Agricultural Commissioner/Sealer of Weights and Measures

Scott T. Paulsen

CDA - Assistant Deputy Director  
Assistant Agricultural Commissioner/Sealer of Weights and Measures  
vacant

Deputy Agricultural Commissioner/Sealer

Edmund Duarte  
Ronnie K. Eaton  
Ronald Hasemeyer  
Cathy Roache

Agricultural & Standards Manager

Cheryl Mailho

Agricultural & Standards Investigator III

Edwin De Villa	Patricia Hunt
Eric Forsberg	Keely Kirkman
Ivan Gallo	Kenneth Peek
Estella Harris	Alcides Reyes
vacant	vacant

Raghubinder Sahota  
Ashenafi Tadesse  
Michelle Trudeau  
vacant

Agricultural & Standards Investigator II

Blane Manchester	Justin Riggs
Rodolfo Raras	

Lisa Sampson

Agricultural & Standards Investigator I

Chris Craft  
Michael Plotz

Agricultural & Standards Technicians

Mohamed Elhashash	Jonathan Gomes
Carmen Franke	Joanne Greer

Anand Shankar

Agricultural & Standards Aides (SAN) (TAP\*)

Robert Brostrom	Patrick Hoffman
Walter Bruj	Rachel Hussey
Juraj Cech	Mohamed Khair*
Sean Eckert	Sarah Lajon
Amare Haileselassie	Rhonda Nave
Darin Hoagland	Claire Perkins

Holly Pugh  
Victor Rabinovich  
Tara Rosborough  
Dereje Tamerat  
Benjamin Wong

Canine Inspection Team

Lisa Sampson and Cosmo

Supervising Secretary II

Cora Robles

Administrative/Clerical Support

Jelicia Metcalfe	Suzette Morgado	Clarice Walker
------------------	-----------------	----------------



# ALAMEDA COUNTY

# 2013 CROP REPORT

Dennis F. Bray, retirement.....	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
Pest Management and Eradication .....	8
County Biological Control .....	8
Pest Exclusion .....	8
Canine Inspection Program .....	9
Light Brown Apple Moth Program .....	9
Pest Detection .....	9
Sustainable Agriculture Report.....	10
Organic Farming .....	10
Community Supported Agriculture .....	10
Equine Statistics .....	10
Five Year Comparison Summary .....	11
General Alameda County Information .....	11
Alameda County Mission Statement .....	Back Cover



Photo by Ken Peek

# FIELD CROPS

Crop	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
<b>Hay, Alfalfa</b>	<b>2013</b>	<b>529</b>	<b>5.47</b>	<b>2,894</b>	<b>Ton</b>	<b>\$225.00</b>	<b>\$651,000</b>
	2012	789	5.06	3,992	Ton	\$233.00	\$930,000
<b>Hay, Other</b>	<b>2013</b>	<b>4,113</b>	<b>1.33</b>	<b>5,470</b>	<b>Ton</b>	<b>\$183.00</b>	<b>\$1,001,000</b>
	2012	5,243	1.48	7,973	Ton	\$157.00	\$1,252,000
<b>Range Pasture</b>	<b>2013</b>	<b>177,798</b>			<b>Acre</b>	<b>\$16.98</b>	<b>\$3,019,000</b>
	2012	182,000			Acre	\$16.62	\$3,025,000
<b>Miscellaneous</b>	<b>2013</b>	<b>1,095</b>					<b>\$733,000</b>
	2012	640					\$404,000
<b>Total</b>	<b>2013</b>	<b>183,535</b>					<b>\$5,404,000</b>
	2012	188,672					\$5,611,000

# FRUIT & NUT CROPS

Crop	Year	Bearing Acreage	Per Acre	Total	Unit	Ave Per Unit	Total
<b>Grapes (WINE) Red</b>	<b>2013</b>	<b>2,089</b>	5.55	<b>11,594</b>	<b>Ton</b>	<b>\$1,030.30</b>	<b>\$11,945,000</b>
	2012	2,193	3.65	8,008	Ton	\$1,296.74	\$10,384,000
<b>Grapes (WINE) White</b>	<b>2013</b>	<b>708</b>	6.64	<b>4,701</b>	<b>Ton</b>	<b>\$855.08</b>	<b>\$4,020,000</b>
	2012	748	4.03	3,018	Ton	1.1119.79	\$3,380,000
<b>Misc. Fruit &amp; Nut</b>	<b>2013</b>	<b>338</b>					<b>\$159,000</b>
	2012	343					\$495,000
<b>Total</b>	<b>2013</b>	<b>3,135</b>					<b>\$16,124,000</b>
	2012	3,284					\$14,259,000



## NURSERY PRODUCTS

Item	Year	House Sq. Ft.	Field Acres	Quantity Sold	Unit	Per Unit	Total
<b>Ornamental Trees and Shrubs</b>	<b>2013</b>	<b>56,555</b>	<b>120</b>	365,156	Plt.	Various	<b>\$7,159,000</b>
	2012	91,555	149	513,995	Plt.	Various	\$9,413,000
<b>Miscellaneous Nursery Products</b>	<b>2013</b>	<b>322,880</b>	<b>68</b>	Includes bedding plants, cut flowers, indoor decoratives, Christmas trees, vegetable starts, etc.			<b>\$1,218,000</b>
	2012	320,880	70				\$1,118,000
<b>Total</b>	<b>2013</b>	<b>379,435</b>	<b>188</b>				<b>\$8,377,000</b>
	2012	412,435	219				\$10,531,000

## VEGETABLE CROPS

Crop	Year	Harvested Acreage		Total
<b>Miscellaneous Vegetables</b>	<b>2013</b>	<b>81</b>	Includes broccoli, cabbage, corn, leaf lettuce, greens, pumpkins, tomatoes, squash, etc.	<b>\$1,020,000</b>
	2012	83		\$949,000

## LIVESTOCK & POULTRY

Item	Year	No. Of Head	Total Weight	Unit	Ave Per Unit	Total
<b>Cattle &amp; Calves</b>	<b>2013</b>	<b>11,477</b>	<b>90,245</b>	Cwt.	VARIOUS	<b>\$10,309,000</b>
	2012	11,208	<b>64,669</b>	Cwt.	VARIOUS	\$8,191,000
<b>Misc. Poultry and Livestock Products</b>	<b>2013</b>	Includes sheep, goats, pigs, lambs, bees and apiary products				<b>\$723,000</b>
	2012					\$518,000
<b>Total</b>	<b>2013</b>					<b>\$11,032,000</b>
	2012					\$8,709,000



# PEST MANAGEMENT & ERADICATION

WEEDS (Common Name/Scientific Name)		CONTROL METHOD	SCOPE OF PROGRAM (No. Sites/Net Treated Acres)
<b>Puna Grass</b>	<i>Stipa brachychaeta</i>	Monitoring	1 site, monitoring
<b>Golden Thistle</b>	<i>Scolymus hispanicus</i>	Monitoring	720 acres
<b>Iberian Starthistle</b>	<i>Centaurea iberica</i>	Monitoring	1 site, monitoring
<b>Dalmatian Toadflax</b>	<i>Linaria genistifolia</i>	Mechanical Removal	1 site – 0.1 acres
<b>Japanese Dodder</b>	<i>Cuscuta japonica</i>	Mechanical Removal	6 sites – 0.1 acres
<b>Artichoke Thistle</b>	<i>Cynara cardunculus</i>	Chemical/Mechanical	various, 29.6 acres
<b>Purple Starthistle</b>	<i>Centaurea calcitrapa</i>		
<b>Hoary Cress</b>	<i>Cardaria spp.</i>	Chemical/Mechanical	5 sites, 4 acres
<b>White Horsenettle</b>	<i>Solanum elaeagnifolium</i>	Chemical/Mechanical	4 sites, monitoring
<b>Skeletonweed</b>	<i>Chondrilla juncea</i>	Mechanical Removal	2 sites, monitoring
<b>Invasive Spartina</b>	<i>Spartina spp.</i>	Chemical	various, 0.47 acres
<b>Russian Knapweed</b>	<i>Acroptilon repens</i>	Chemical/Mechanical	4 sites, monitoring

## 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

## 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.

TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
PARCEL CARRIER	7012	196 (73 pests found)
TRUCKS	122	0 (0 pests found)
HOUSEHOLD GOODS	144	2 (no viable GM found)
NURSERY (GWSS Program)	3127	0 (0 egg masses)

# 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	1770 total	375 (78 total pests found)
'A' and 'Q' rated pest interceptions	20	20 (32 A/Q pests)

## LIGHT BROWN APPLE MOTH PROGRAM

COMPLIANCE INSPECTIONS	296
TRAPS IN NURSERIES/CROPS	29 (No female adults found)
<b>BUSINESSES UNDER COMPLIANCE AGREEMENT</b>	
CROP PRODUCERS	7
COMMUNITY GARDENS/DIRECT MARKETS	0
RETAIL AND PRODUCTION NURSERIES	12 (0 retail nurseries)
GREENWASTE FACILITIES	16

## 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	
<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	86,868
<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	14,605
<b>Light Brown Apple Moth</b>	Ornamental and commercial plants	351
<b>Asian Citrus Psyllid</b>	Ornamental and nursery plants	2,078
<b>European Grapevine Moth</b>	Vineyards	719

## ORGANIC FARMING

CROP	REGISTERED PRODUCERS	ESTIMATED ACREAGE
Miscellaneous	9	118

## COMMUNITY SUPPORTED AGRICULTURE

TYPE	NUMBER	UNITS
Community Gardens	21	48 acres
School Gardens	264	90 acres
Certified Farmers Markets	36	736 stalls
Certified Producers	21	148 acres

## 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	2013	2012	2011	2010	2009
<b>Field Crops</b>	\$5,404,000	\$5,611,000	\$5,311,000	\$4,482,000	\$3,731,000
<b>Vegetable Crops</b>	\$1,020,000	\$949,000	\$785,000	\$897,000	\$838,000
<b>Fruit &amp; Nut Crops</b>	\$16,124,000	\$14,259,000	\$12,043,000	\$11,994,000	\$14,144,000
<b>Nursery Products</b>	\$8,377,000	\$10,531,000	\$12,147,000	\$11,476,000	\$13,679,000
<b>Livestock &amp; Poultry</b>	\$11,032,000	\$8,709,000	\$10,894,000	\$6,447,000	\$4,775,000
<b>Totals</b>	\$41,957,000	\$40,059,000	\$41,180,000	\$35,296,000	\$37,167,000

## 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 (2013) ..... 186,948

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.



## AGRICULTURE / WEIGHTS & MEASURES



224 W. Winton Avenue • Room 184  
Hayward, California 94544  
phone 510.670.5232  
[www.acgov.org/cda](http://www.acgov.org/cda)

# 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.



ALAMEDA COUNTY  
DEPARTMENT OF AGRICULTURE/WEIGHTS & MEASURES

# 2014 Crop Report



ALAMEDA COUNTY  
Community Development Agency



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

## ASIAN CITRUS PSYLLID

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

(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

**Chris Bazar**  
Agency Director

**Scott T. Paulsen**  
Agricultural  
Commissioner/Sealer

224 W. Winton Ave.  
Room 184  
Hayward, CA 94544

phone  
510.670.5232

fax  
510.670.3928

[www.acgov.org/cda](http://www.acgov.org/cda)

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





## BOARD OF SUPERVISORS

District 1

**SCOTT HAGGERTY**

President

District 2

**RICHARD VALLE**

District 3

**WILMA CHAN**

Vice President

District 4

**NATE MILEY**

District 5

**KEITH CARSON**

## COUNTY ADMINISTRATOR

**SUSAN MURANISHI**



ALAMEDA COUNTY  
Community Development Agency

**DIRECTOR**

**CHRIS BAZAR**

**DEPUTY DIRECTOR**

Agricultural Commissioner  
Sealer of Weights & Measures

**SCOTT T. PAULSEN**

# Alameda County | **Community Development Agency** **Agriculture/Weights & Measures**

CDA - Deputy Director  
Agricultural Commissioner/Sealer of Weights and Measures

Scott T. Paulsen

CDA - Assistant Deputy Director  
Assistant Agricultural Commissioner/Sealer of Weights and Measures  
vacant

Deputy Agricultural Commissioner/Sealer

Edmund Duarte  
Ronnie K. Eaton  
Ronald Hasemeyer  
Cathy Roache

Agricultural & Standards Manager

Cheryl Mailho

Agricultural & Standards Investigator III

Edwin De Villa	Patricia Hunt	Ashenafi Tadesse
Eric Forsberg	Keely Kirkman	Michelle Trudeau
Ivan Gallo	Kenneth Peek	
Estella Harris	Alcides Reyes	

Agricultural & Standards Investigator II

Blane Manchester	Michael Plotz	Brent Faria ( <i>Retired</i>
Rodolfo Raras	Lisa Sampson	<i>Annuitant</i> )

Agricultural & Standards Investigator I (Out-of-Class\*)

Chris Craft	Patrick Hoffman*	Claire Perkins*
-------------	------------------	-----------------

Agricultural & Standards Technicians

Mohamed Elhashash	Jonathan Gomes	Anand Shankar
Carmen Franke	Joanne Greer	

Agricultural & Standards Aides (SAN) (TAP\*)

Sasha Berkowitz	Darin Hoagland	Russell Moore*
Tiffany Billenstein	Komal Preet Kaur*	Rhonda Nave
Robert Brostrom	Mohamed Khair*	Victor Rabinovich
Sean Eckert	Sarah Lajon	Dereje Tamerat
Amy Glavich	Carolyn Masi	
Amare Haileselassie	Bridget Mooney	

Canine Inspection Team

Lisa Sampson and Cosmo

Supervising Secretary II

Cora Robles

Administrative/Clerical Support

Suzette Morgado	Kay Rodrigues	Clarice Walker
-----------------	---------------	----------------



# 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
<b>Hay, Alfalfa</b>	<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
<b>Hay, Other</b>	<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
<b>Range Pasture</b>	<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
<b>Miscellaneous</b>	<b>2014</b>	<b>979</b>					<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
<b>Grapes (WINE) Red</b>	<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
<b>Grapes (WINE) White</b>	<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
<b>Misc. Fruit &amp; Nut</b>	<b>2014</b>	<b>319</b>					<b>\$662,000</b>
	2013	338					\$159,000
<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
<b>Ornamental Trees and Shrubs</b>	<b>2014</b>	<b>21,555</b>	<b>124</b>	<b>342,224</b>	<b>Plt.</b>	<b>Various</b>	<b>\$6,988,000</b>
	2013	56,555	120	365,156	Plt.	Various	\$7,159,000
<b>Miscellaneous Nursery Products</b>	<b>2014</b>	<b>95,000</b>	<b>60</b>	Includes bedding plants, cut flowers, indoor decoratives, Christmas trees, etc.			<b>\$978,000</b>
	2013	322,880	68				\$1,218,000
<b>Total</b>	<b>2014</b>	<b>116,555</b>	<b>184</b>				<b>\$7,966,000</b>
	2013	379,435	188				\$8,377,000

## VEGETABLE CROPS

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

## LIVESTOCK & POULTRY

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



## PEST MANAGEMENT & ERADICATION

WEEDS (Common Name/Scientific Name)		CONTROL METHOD	SCOPE OF PROGRAM (No. Sites/Net Treated Acres)
<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.

TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
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	
<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	92,950
<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	12,577
<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
YELLOW STARTHISTLE <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.



## AGRICULTURE / WEIGHTS & MEASURES



224 W. Winton Avenue • Room 184  
Hayward, California 94544  
phone 510.670.5232  
[www.acgov.org/cda](http://www.acgov.org/cda)

# 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.

