

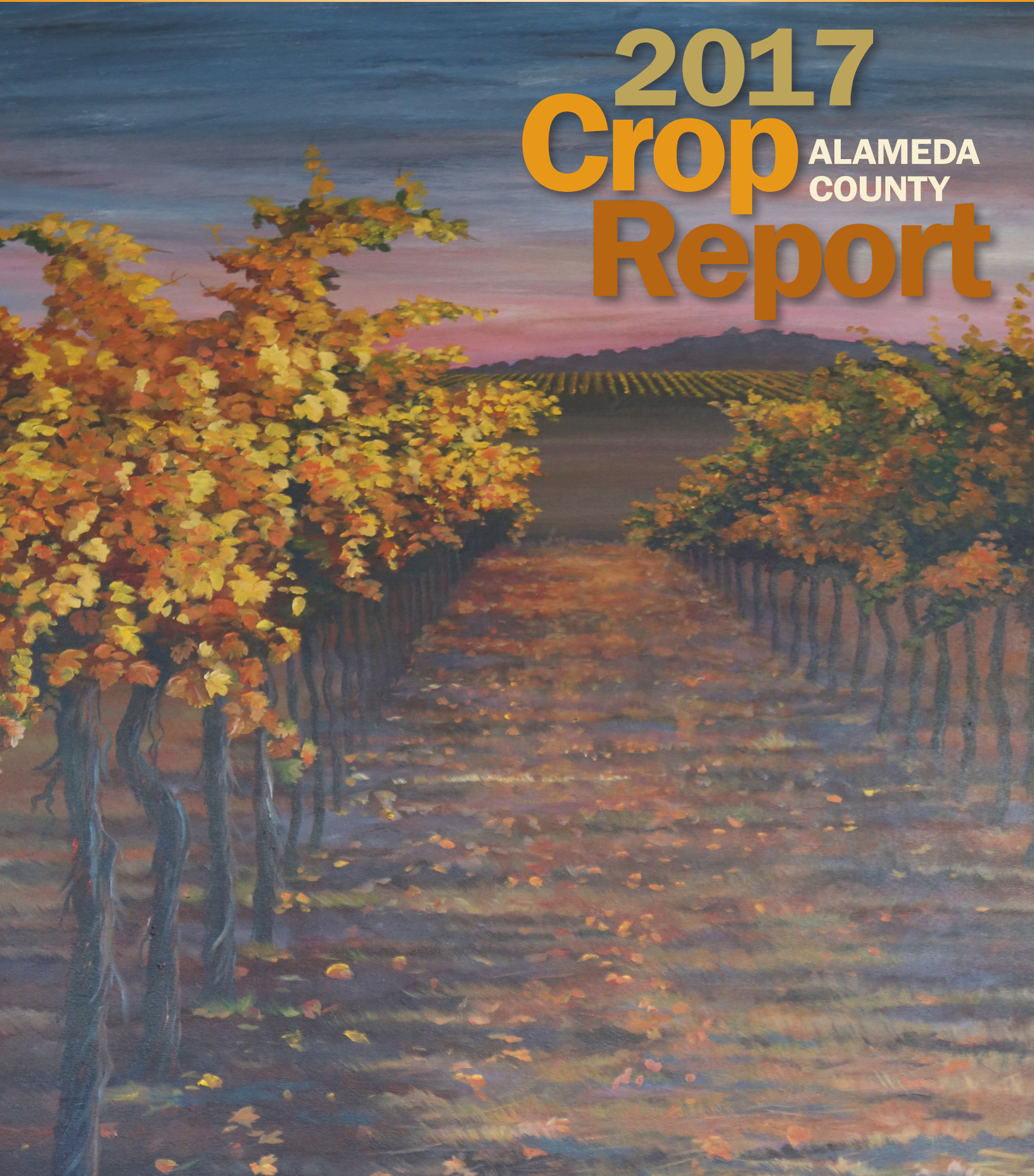
**DEPARTMENT OF AGRICULTURE  
WEIGHTS & MEASURES**



ALAMEDA COUNTY  
Community Development Agency

# 2017 Crop Report

ALAMEDA  
COUNTY





**Chris Bazar**  
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Agricultural Commissioner/  
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August 27, 2018

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 2017 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 2017 estimated total gross value of Alameda County's agricultural production was \$47,702,000, a 0.7 percent overall reduction from the 2016 estimated value of \$48,023,000. This observed reduction was due primarily to changes in field crop production and reductions in reported Fruit and Nut crops.

Crop conversions have occurred in eastern Alameda County in recent years with significant field crop acreages converted to nut crops. Production from these orchards will begin manifesting in coming years as trees mature and crop yields increase.

Reduced fruit and nut acreages were reported this year which account for reduced overall production value in this crop category (-3.6%). However yields and reported prices remained high and consistent with 2016 reported values.

At the request of industry, we have this year endeavored to present winegrape production information by variety. This information can be found in the highlight section of this report. This information highlights the complexity of our long-standing winegrape industry in Alameda County, and underscores our proud and ongoing heritage in this industry in California.

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.

Respectfully submitted,

A. Humberto Izquierdo  
Agricultural Commissioner/  
Sealer of Weights and Measures





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Original artwork graciously provided by Darcie Kent | Cover: Autumn Vines at Crown Block | Above: Reflections of Water  
For more information visit [darciekentvineyards.com](http://darciekentvineyards.com)

# FIELD CROPS

CROP	YEAR	HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Hay, Alfalfa	2017	302	2.71	818	Ton	\$180.00	\$147,000
	2016	533	5.19	2766	Ton	\$170.00	\$470,000
Hay, Other	2017	3116	0.99	3,085	Ton	\$77.11	\$238,000
	2016	3052	1.43	4,364	Ton	\$85.61	\$374,000
Range & Pasture	2017	175,360	----		Acre	\$19.07	\$3,344,000
	2016	175,878	----		Acre	\$18.82	\$3,310,000
Miscellaneous	2017	750	Includes triticale, wheat, sorghum, etc.				\$301,000
	2016	649					\$213,000
Total	2017	179,528					\$4,030,000
	2016	180,112					\$4,367,000

# FRUIT & NUT CROPS

CROP	YEAR	BEARING ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Grapes, Wine Red	2017	1742	4.87	8,484	Ton	\$1,502.00	\$12,743,000
	2016	1949	4.51	8,790	Ton	\$1,481.00	\$13,018,000
Grapes, Wine White	2017	677	5.63	3,812	Ton	\$1,327.00	\$5,059,000
	2016	678	5.73	3,885	Ton	\$1,331.00	\$5,171,000
Miscellaneous Fruit & Nut	2017	260	Includes olives, walnuts, pistachios, pomegranates, etc.				\$482,000
	2016	304					\$770,000
Total	2017	2,679					\$18,284,000
	2016	2,931					\$18,959,000



Original artwork graciously provided by Darcie Kent | Title: Harvest Sunset at Crane Ridge  
For more information visit [darciekentvineyards.com](http://darciekentvineyards.com)

# 2017 Alameda County Winegrape Varieties

At the request of our local industry, this year our department has endeavored to gather crop production information on winegrapes varieties. We thank our Alameda County Grape Producers and the Livermore Valley Winegrowers Association for their support in this effort. Ongoing support and participation from all grape growers is greatly appreciated.

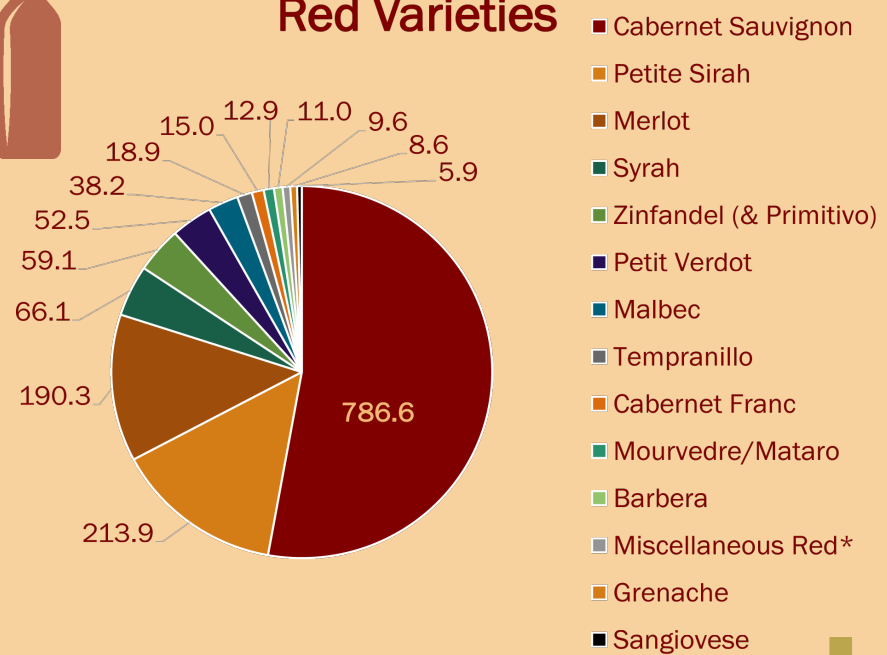
Variety	Type	Acres	Est. Tons
Cabernet Sauvignon	Red	786.6	3629.7
Petite Sirah	Red	213.9	1152.5
Merlot	Red	190.3	1056.7
Syrah	Red	66.1	274.1
Zinfandel (& Primitivo)	Red	59.1	267.0
Petit Verdot	Red	52.5	237.4
Malbec	Red	38.2	240.1
Tempranillo	Red	18.9	73.3
Cabernet Franc	Red	15.0	42.3
Mourvedre/Mataro	Red	12.9	57.6
Barbera	Red	11.0	57.3
Miscellaneous Red*	Red	9.6	38.9
Grenache	Red	8.6	67.5
Sangiovese	Red	5.9	51.8
Chardonnay	White	595.3	3404.7
Sauvignon Blanc	White	56.9	295.7
Viognier	White	9.5	25.4
Miscellaneous White*	White	8.4	40.7
Semillon	White	6.7	46.9

**\*Miscellaneous Varieties** (varieties with fewer than 5 reported acres). **Miscellaneous Red Varieties** include: *Graciano, Souzao, Nebbiolo, Pinot Noir, Touriga Nacional, Counoise*. **Miscellaneous White Varieties** include: *Rousanne, Muscat Blanc (Canelli), Pinot Gris, Pinot Blanc, Verdehlo, Muscat Orange and Albarino*.

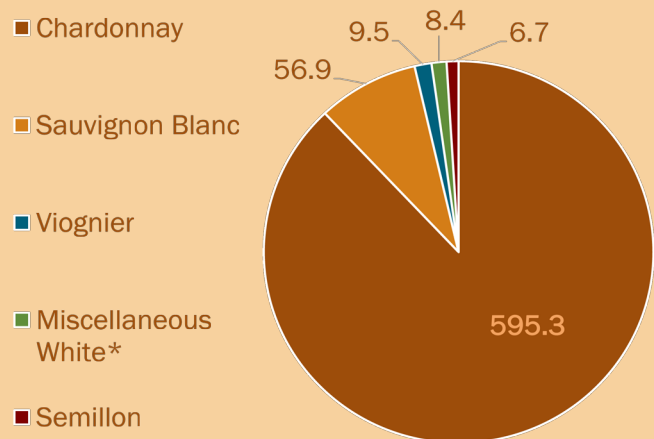
A total of 31 Grape varieties were reported. There were 20 red varieties reported, with 14 red varieties reported over five acres planted. Six miscellaneous red varieties were reported with fewer than five planted acres. Eleven White varieties were reported, with four varieties over five planted acres reported, and seven miscellaneous varieties with under 5 planted acres each reported. Pie Chart Legends show grape varieties in descending order of acreages and correspond to figures in the table above.



## Red Varieties



## White Varieties



# NURSERY PRODUCTS

ITEM	YEAR	INDOOR SQ. FT.	OUTDOOR (ACRES)	QUANTITY SOLD	UNIT	PER UNIT	TOTAL
Ornamental Trees and Shrubs	2017	20,875	89	176,452	Pit	Various	\$6,413,000
	2016	27,975	114	293,689	Pit	Various	\$6,262,000
Miscellaneous Nursery Products	2017	131,000	59	Includes Bedding Plants, cut flowers, indoor decoratives, vegetable starts, Christmas trees, etc.			\$843,000
	2016	120,000	60				\$1,000,000
Total	2017	151,875	148				\$7,256,000
	2016	147,975	174				\$7,262,000

# VEGETABLE CROPS

CROP	YEAR	HARVESTED ACREAGE		TOTAL
Miscellaneous Vegetables	2017	129	Includes broccoli, cabbage, corn, leaf lettuce, greens, pumpkins, tomatoes, squash, etc.	\$1,084,000
	2016	121		\$1,052,000

# LIVESTOCK & POULTRY

ITEM	YEAR	NO. OF HEAD	TOTAL WEIGHT	UNIT	PER UNIT	TOTAL
Cattle & Calves	2017	13,524	125,826	Cwt	Various	\$16,263,000
	2016	15,847	109,996	Cwt	Various	\$15,621,000
Misc. Poultry and Livestock Products	2017	Includes sheep, goats, pigs, bee pollination and apiary products				\$785,000
	2016					\$762,000
Total	2017					\$17,048,000
	2016					\$16,383,000



Original artwork graciously provided by Darcie Kent | Titles: Autumn Leaf/Livermore Longhorn/Moonrise Over Old Gum Tree Vineyard | For more information visit [darciekentvineyards.com](http://darciekentvineyards.com)

# PEST MANAGEMENT & ERADICATION

WEEDS (Common Name/Scientific Name)		CONTROL METHOD	SCOPE OF PROGRAM (No. Sites/Treated Acres)
<b>Puna Grass</b>	<i>Stipa brachychaeta</i>	Mechanical Removal	1 site - 0.1 acre
<b>Golden Thistle</b>	<i>Scolymus hispanicus</i>	Monitoring	120 acres
<b>Iberian Starthistle</b>	<i>Centaurea iberica</i>	Chemical & Mechanical	1 site - 0.1 acre
<b>Dalmatian Toadflax</b>	<i>Linaria genistifolia</i>	Mechanical Removal	1 site - 0.1 acre
<b>Japanese Dodder</b>	<i>Cuscuta japonica</i>	Chemical/Mechanical	15 sites - 0.5 acres
<b>Artichoke Thistle</b>	<i>Cynara cardunculus</i>	Chemical/Mechanical	Various, 207.1 acres
<b>Purple Starthistle</b>	<i>Centaurea calcitrapa</i>	Chemical/Mechanical	

State agriculture funding to counties for terrestrial weed management was cut in 2011. Some additional support funding has been obtained intermittently for specific pests such as Japanese Dodder. Our Department maintains long-standing weed management activities to the extent possible through collaborative partnerships with public and private land managers for the control of state-listed noxious weeds of regional and regulatory concern. The table above describes work performed by our Department in the past year through these sources and partnerships. Other weeds of concern in our region include; Barb Goatgrass, Medusahead, Hoary Cresses, Stinkwort, Rush Skeletonweed, White Horsenettle, and other invasive noxious weed detections as they arise.

# PEST EXCLUSION

Pest exclusion is the first line of defense to prevent non-native invasive pests and diseases detrimental to agriculture and the environment from entering the county. Incoming shipments of plant products and other high-risk articles are inspected daily at various shipping terminals to enforce quarantines intended to prevent the introduction of harmful pests.

TYPE OF SHIPMENT	SHIPMENTS INSPECTED	SHIPMENTS REJECTED
<b>Parcel Carrier</b>	3,791	51 (16 pests)
<b>Trucks</b>	203	2 (2 pests)
<b>Household Goods</b>	72	0
<b>Nursery (GWSS Program)</b>	2678	4 (0 pests)
<b>Airfreight</b>	463	3 (2 pests)

# SUDDEN OAK DEATH (SOD)

<b>Compliance Inspections</b>	165
<b>Sudden Oak Death Positives</b>	1
<b>Businesses Under Compliance Agreement</b>	
<b>Shipping Nurseries</b>	9
<b>Green-waste Facilities</b>	15



# 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	1307	426 (202 pests found)

# LIGHT BROWN APPLE MOTH PROGRAM

Compliance Inspections	173
Moths detected in regulatory inspections	3
<b>Businesses Under Compliance Agreement</b>	
Crop Producers	1
Community Gardens/Direct Markets	0
Retail and Production Nurseries	10
Green Waste Facilities	15

# PEST DETECTION

Pest Detection is the second line of defense against invasive non-native pests becoming established in areas so vast that it is impossible to control or eradicate infestation. Insect traps are placed and monitored throughout the county to detect exotic pests that are known to be detrimental to agriculture and the environment.

TARGET PEST	INSECT HOSTS	TRAP SERVICINGS
Mediterranean Fruit Fly	Fruit Trees	88,578
Mexican Fruit Fly	Fruit Trees	
Melon Fruit Fly	Vegetable Gardens	
Oriental Fruit Fly	Fruit Trees	
Miscellaneous Fruit Flies	Fruit Trees and Vegetables	
Gypsy Moth	Shade Trees	
Japanese Beetle	Turf, Roses	
European Pine Shoot Moth	Pine Trees	
Trogoderma Beetle	High Hazard Commodities	
Glassy-Winged Sharpshooter (GWSS)	Landscape/Nursery Plants	10,029
Asian Citrus Psyllid	Citrus/Nursery Plants	4,920
European Grapevine Moth	Vineyards	650

In 2017 exotic A-rated insect pests detections included (1) Oriental fruit fly in Oakland, (1) Melon fruit fly in Newark, (1) Guava fruit fly in Fremont and (1) Oriental fruit fly in Fremont. Other finds included (2) Asian Citrus Psyllids in Union City and Oakland, and (2) Glassy winged sharpshooters in Fremont and Livermore. The County Agriculture Department deployed a grand total of 7,563 traps to detect the presence of invasive insect pests, and serviced the traps 104,177 times during the year.

## ORGANIC FARMING

CROP	REGISTERED PRODUCERS	ESTIMATED ACREAGE
Miscellaneous	12	177

## URBAN FARMING

TYPE	NUMBER	ESTIMATED ACREAGE
Community Gardens	32	16
School Gardens	269	67
Certified Farmers Markets	35	737 stalls
Certified Producers	23	127 acres

## COUNTY BIOLOGICAL CONTROL

Biological control (biocontrol) involves 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 Star-thistle <i>Centaurea solstitialis</i>	Bud Weevil <i>Bangasternus orientalis</i>	Found in most areas of the County
	Seed-head Gall Fly <i>Urophora sirunaseva</i>	Found in most areas of the County
	Seed-head Fly <i>Chaetorellia spp.</i>	Found in most areas of the County
	Hairy Weevil <i>Eustenopus villosus</i>	Found in most areas of the County
	Rust Fungus <i>Puccinia jaceae var. solstitialis</i>	Released at 3 sites

## EQUINE STATISTICS

Commercial use of horses is 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	2000
Competition Horses	1000
Ranch Horses	1500
Recreation/Pleasure*	5000

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

# COMPARISON SUMMARY

ITEM	2017	2016	2015	2014	2013
<b>Field Crops</b>	<b>\$4,030,000</b>	\$4,367,000	\$4,292,000	\$4,919,000	\$5,404,000
<b>Vegetable Crops</b>	<b>\$1,084,000</b>	\$1,052,000	\$1,269,000	\$1,215,000	\$1,020,000
<b>Fruit &amp; Nut Crops</b>	<b>\$18,284,000</b>	\$18,959,000	\$15,394,000	\$16,418,000	\$16,124,000
<b>Nursery Products</b>	<b>\$7,256,000</b>	\$7,262,000	\$6,853,000	\$7,966,000	\$8,377,000
<b>Livestock &amp; Poultry</b>	<b>\$17,048,000</b>	\$16,383,000	\$22,095,000	\$15,794,000	\$11,032,000
<b>Total</b>	<b>\$47,702,000</b>	\$48,023,000	\$49,903,000	\$46,312,000	\$41,957,000

## General County Information

County Seat .....	Oakland
County Population, 2016 .....	1,663,190
Land Area (Square Miles) .....	738
Water Area (Square Miles) .....	83.8
Persons per Square Mile, 2015 .....	2,254

### 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 2017-18).....	\$280.2 Billion
Total Harvested Crop Acreage (2014).....	182,488
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



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## Alameda County

### MISSION

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

### VISION

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

### VALUES

Integrity, honesty and respect fostering mutual trust.

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

Fiscal stewardship reflecting the responsible management of resources.

Customer service built on commitment, accessibility and responsiveness.

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

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

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

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

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

