

THE 2016 CROP & LIVESTOCK REPORT

# Sacramento County



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**Agricultural Commissioner /  
Weights and Measures**

**Juli D. Jensen,  
Agricultural Commissioner  
Sealer of Weights and Measures**



**Divisions  
Agriculture  
Weights and Measures**

**County of Sacramento**

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To: **Karen Ross, Secretary** and **The Honorable Board of Supervisors**  
**California Department of Food and Agriculture** **Chair Don Nottoli**  
**District 1 Phil Serna**  
**District 2 Patrick Kennedy**  
**District 3 Susan Peters**  
**District 4 Sue Frost**

I am pleased to submit the 2016 Sacramento County Annual Crop and Livestock Report. This report is produced in accordance with Sections 2272 and 2279 of the California Food and Agriculture Code. It includes the acreage, production and gross value of agricultural commodities in Sacramento County as well as the invasive pest activities and our response to those pests. In this report you will find the "farmgate" values which are based upon the most common first point of sale of the commodity. These values are gross values and in no way reflect net income because they do not take into account the various input costs of production, marketing, or transportation over which the producers have no control.

2016 saw an increase in Sacramento agriculture of 7.9% or \$37,116,000 over the 2015 value of \$469,948,000. The 2016 farmgate value of \$507,064,000 is the highest recorded thus far for Sacramento agriculture. This increase is due almost entirely to an increase in our wine grape values. Not only was our wine grape acreage up 8%, and our yield per acre was up 20%, the price was also up 11% resulting in an overall increase of 44% or \$56,068,000 for our top crop. The marketplace tempered that increase in the fact that prices for most of our other agricultural commodities were down from 2015. Although 2016 was the fifth and final year in the most recent drought, it was a softer drought year with more rainfall in the Sacramento region than the previous year. The continued drought still contributed to the decrease in our field crops as some growers chose not to plant and others saw decreased yields.

The top ten commodities remained fairly stable with the exception of rice dropping from the top ten and being replaced by processing tomatoes for the first time since 2009. Aside from the significant increase in wine grapes, another bright spot was the 29% increase in nursery stock. This is especially welcome since the recent difficult economic times had resulted in multi-year decreases in nursery stock values. The drought has resulted in many homeowners taking advantage of rebates and replacing their landscapes with more drought tolerant plantings. Additionally, the upturn in the economy has resulted in an increase in home building, requiring new landscape installations. On the opposite side of the coin, aquaculture remained in the top ten commodities but showed an almost 50% decrease due almost entirely to a significant decrease in the price of caviar. Overall, half of our top ten commodities decreased in value as half increased.

This report could not have been produced without the cooperation of our growers, producer organizations, and government agencies that provide the information used to compile this report. I would like to express my thanks to them for that cooperation. I would also like to recognize and thank our staff members, Laura McCready for collection and compilation of data and Kevin Martyn for creativity and design of the report.

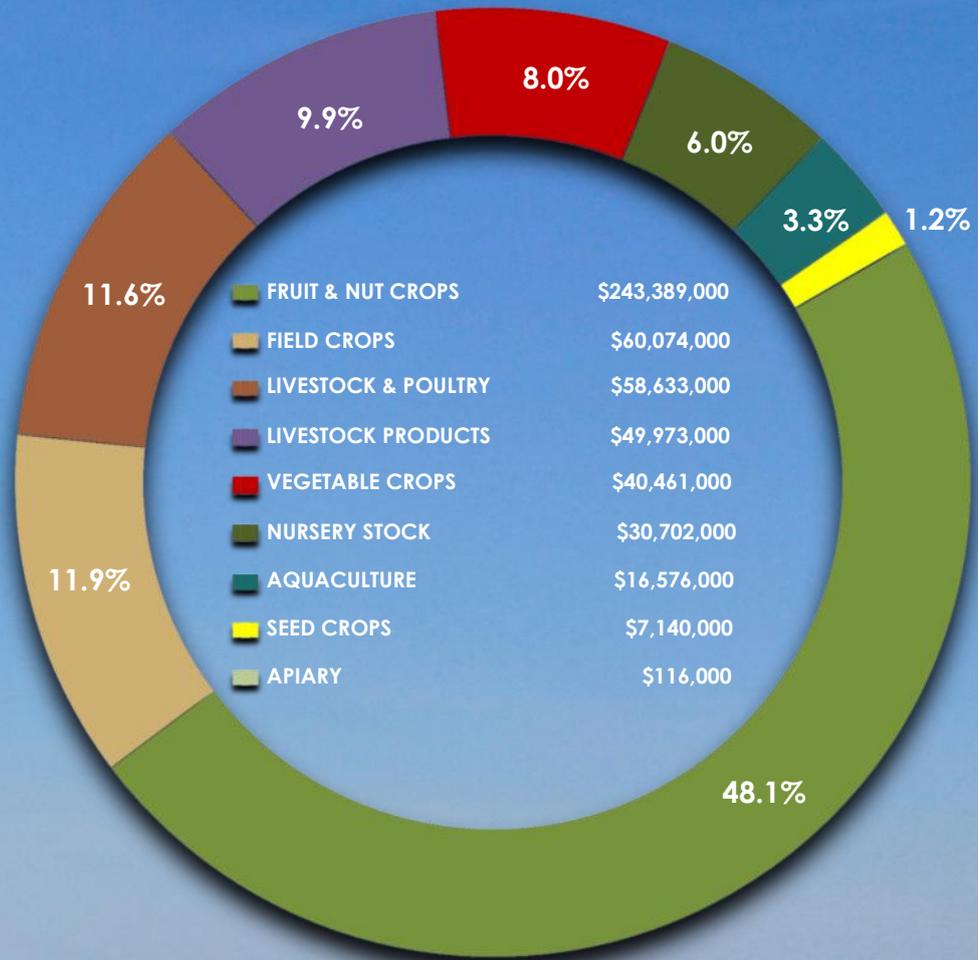
Respectfully submitted,

A handwritten signature in blue ink that reads "Juli Jensen".

**Juli Jensen  
Agricultural Commissioner**



# AGRICULTURAL PRODUCTION SUMMARY



FRUIT & NUT CROPS	\$243,389,000
FIELD CROPS	\$60,074,000
LIVESTOCK & POULTRY	\$58,633,000
LIVESTOCK PRODUCTS	\$49,973,000
VEGETABLE CROPS	\$40,461,000
NURSERY STOCK	\$30,702,000
AQUACULTURE	\$16,576,000
SEED CROPS	\$7,140,000
APIARY	\$116,000

\$364,859,000

\$350,475,000

2006 \$306,487,000

2006

2007

2008

2009

The gross value of all agricultural production in Sacramento County for 2016 is approximately

**\$507,064,000**

...up from \$469,948,000 in 2015.

This represents an increase of approximately

**▲ 7.9%**



## TEN YEAR SUMMARY

### TOP TEN COMMODITIES

Grapes, Wine	\$184,202,000
Milk (Market)	\$48,897,000
Pears	\$41,229,000
Poultry	\$36,813,000
Nursery Stock	\$30,702,000
Cattle & Calves	\$21,635,000
Aquaculture	\$16,576,000
Corn (Field)	\$14,281,000
Hay (Alfalfa)	\$13,346,000
Tomatoes (Processed)	\$13,024,000

# FIELD CROPS



Commodity	Year	Harvested Acres	Per Acre Yield	Total Yield	Unit	Price Per Unit	Total Value	
Range	2016	58,800			ACRE	25.00	▼ 1,470,000	
	2015	58,900			ACRE	25.00	1,473,000	
Rice	2016	8,840	4.0	35,360	TON	236.30	▼ 8,356,000	
	2015	8,260	4.6	37,996	TON	390.90	14,853,000	
Ryegrass	2016	5,282	2.1	11,092	TON	67.70	▼ 751,000	
	2015	5,384	4.8	25,843	TON	131.00	3,385,000	
Safflower	2016	4,289	1.2	5,147	TON	440.00	▲ 2,265,000	
	2015	1,966	1.3	2,556	TON	514.70	1,315,000	
Sorghum Milo	2016	2,103	2.8	5,888	TON	172.60	▲ 1,016,000	
	2015	784	2.4	1,882	TON	170.10	320,000	
Triticale	2016	794	2.6	2,064	TON	124.50	▼ 257,000	
	2015	1,096	2.9	3,178	TON	163.00	518,000	
Wheat	2016	11,150	3.1	34,565	TON	144.60	▼ 4,998,000	
	2015	9,907	3.0	29,721	TON	187.70	5,579,000	
Misc. Field	2016	1,710	Barley, canola, dry beans, hops, sudangrass, and organic rice.					▼ 1,866,000
	2015	2,489						4,797,000

Commodity	Year	Harvested Acres	Per Acre Yield	Total Yield	Unit	Price Per Unit	Total Value
Corn, Field	2016	18,194	5.3	96,428	TON	148.10	▲ 14,281,000
	2015	17,757	4.7	83,458	TON	150.70	12,577,000
Corn, Silage	2016	6,921	27.0	186,867	TON	32.30	▼ 6,036,000
	2015	8,012	26.6	213,119	TON	35.00	7,459,000
Hay, Alfalfa	2016	16,391	5.9	96,707	TON	138.00	▼ 13,346,000
	2015	14,531	5.9	85,733	TON	171.80	14,729,000
Hay, Oat	2016	3,490	3.6	12,564	TON	90.60	▼ 1,138,000
	2015	4,785	3.8	18,183	TON	91.20	1,658,000
Hay, Other	2016	2,577	2.60	6,700	TON	66.20	▲ 444,000
	2015	2,382	2.00	4,764	TON	70.20	334,000
Oats	2016	2,621	1.5	3,932	TON	184.80	▼ 727,000
	2015	1,306	2.3	3,004	TON	247.90	745,000
Misc. Silage	2016	3,144	10.3	32,383	TON	23.80	▼ 771,000
	2015	3,941	20.0	78,820	TON	32.00	2,522,000
Irrigated Pasture	2016	16,800			ACRE	140.00	▼ 2,352,000
	2015	16,800			ACRE	140.00	2,352,000
Total Field Crops	2016	163,106					60,074,000
	2015	158,300					74,616,000



## CERTIFIED PRODUCERS & FARMERS MARKETS



**L**ue Xiong and his wife Zoua have always had a passion for flowers. In 2000, they began researching, and working towards their goal of growing their own produce and flowers to sell at Certified Farmers' Markets. They worked alongside family members to learn the trade. After farming on leased property for 4 years they were finally able to purchase their own land. Together this dynamic duo now grows over 100 different commodities. They also enjoy producing happy customers!



**J**ason Levens, Founder of Aldon's Leafy Greens, originally started his career path in sales for a manufacturing company in the Bay Area. His love of horticulture and eating healthy was the catalyst for his decision to change careers and begin his journey with microgreens. Jason interned with a hydroponic grower and a nursery to learn the science behind Contained Environment Agriculture. In just a short time, Jason has built his business from the ground up and now provides his product to over 30 restaurants and markets.

## 101 Certified Producer Certificates issued in 2016



**22**  
Certified  
Farmers' Markets  
in 2016

**M**eng Moua and his wife Ge come from a long line of farmers. Several generations before them had worked the land and had passed along that valuable knowledge. Ge and Meng have been farming together since 1995 and have been certified as an organic grower in Sacramento County since 2013. Meng enjoys working outside in the fresh air and growing produce using organic methods. It's a family affair at the Moua Farm. Although all 7 children are in college, the siblings return to the farm during summer months to help their parents with the harvest and market sales.

# FRUIT, NUT, & VEGETABLE



FRUIT AND NUT CROPS						
Commodity	Year	Harvested Acres	Per Acre Yield (Tons)	Total Yield (Tons)	Price Per Unit	Total Value
Apples	2016	573	12.6	7,220	\$354.30	▲ \$2,558,000
	2015	see misc.				
Cherries	2016	1,221	1.6	1,954	\$2,732.90	▼ \$5,339,000
	2015	1,446	1.7	2,458	\$2,942.30	\$7,233,000
Grapes, Wine	2016	33,866	8.5	287,861	\$639.90	▲ \$184,202,000
	2015	31,234	7.1	221,761	\$577.80	\$128,134,000
Pears	2016	5,072	17.2	87,238	\$472.60	▲ \$41,229,000
	2015	5,072	18.3	92,818	\$429.80	\$39,893,000
Strawberries	2016	94	3.9	367	\$5,340.00	▲ \$1,958,000
	2015	91	4.1	373	\$4,214.30	\$1,572,000
Walnuts	2016	858	1.7	1,459	\$1,671.60	▼ \$2,438,000
	2015*	839	2.3	1,930	\$1,941.50	\$3,747,000
Miscellaneous	2016	812	Almonds, apricots, blackberries, blueberries, chestnuts, citrus, figs, kiwis, melons, nectarines, olives, peaches, plums, pomegranates, table grapes, and watermelons.			▼ \$5,665,000
	2015	834				\$5,734,000
Total	2016	42,496				▲ \$243,389,000
	2015	39,516				\$186,313,000

\* amended

VEGETABLE CROPS							
Commodity	Year	Harvested Acres	Per Acre Yield (Tons)	Total Yield (Tons)	Price Per Unit	Total Value	
Tomatoes Fresh	2016	see misc.					▲
	2015	772	21.1	16,289	\$87.20	\$1,420,000	
Tomatoes Processed	2016	4,594	39.0	179,150	\$72.70	▲ \$13,024,000	
	2015	4,059	37.2	150,995	\$79.40	\$11,989,000	
Miscellaneous	2016	3,414	Artichokes, asparagus, beans, beets, broccoli, carrots, corn, cucumbers, dill, eggplants, gourds, okra, peas, peppers, potatoes, pumpkins, squash, and tomatoes.			▲ \$27,437,000	
	2015	2,627				\$12,755,000	
Total	2016	8,008				▲ \$40,461,000	
	2015	7,458				\$26,164,000	



Sacramento County is home to five freshwater aqua farms. We are proud to support the sustainable practices of these companies, who provide our residents and many of Sacramento's best restaurants with top-quality fresh fish.

Over the last two decades, these innovators have made our county world-renowned for Sturgeon caviar, and produce over 80% of the caviar consumed in the United States.





**\$16.6**

**MILLION**

Total value of Sacramento Aquaculture in 2016

**\$32.9**  
**MILLION**  
**2015**



Sacramento County



Aquaculture



**F**reshwater  
Fish Co.

**PASSMORE**  
RANCH



# NURSERY STOCK

Ornamental Trees and Shrubs, Christmas Trees, and Turf Grass

**Nursery Stock**  
 2016 563 ACRES ▲  
**\$30,702,479**  
 2015 556 ACRES  
**\$23,778,000**



## SEED PRODUCTION

Commodity	Year	Harvested Acreage	Per Acre Yield	Total Yield	Unit	Price Per Unit	Total Value
Clover	2016	1,382	405.0	559,710	LB	2.15	▲ \$1,203,000
	2015	1,255	415.4	521,327	LB	2.01	\$1,048,000
Miscellaneous	2016	1,610	Alfalfa, barley, cucumber, onion, safflower, squash, sudangrass, sunflower, watermelon, and wheat.				▲ \$5,937,000
	2015	1,791					\$3,764,000
Totals	2016	2,992					▲ \$7,140,000
	2015	3,046					\$4,812,000

# LIVESTOCK, POULTRY, & APIARY



Commodity	Year	Production	Unit	Price Per Unit	Total Value
Milk-Market	2016	3,204,267	CWT	\$15.26	▼ \$48,897,000
	2015	3,125,915	CWT	\$15.70	\$49,077,000
Miscellaneous	2016	Poultry manure and Wool.			▲ \$1,076,000
	2015				\$836,000
Total	2016				▲ \$49,973,000
	2015				\$49,913,000



Commodity	Year	No. of Head	Liveweight	Unit	Price Per Unit	Total Value
Cattle & Calves	2016	26,143	133,764	CWT	\$161.74	▼ \$21,635,000
	2015	25,888	163,645	CWT	\$175.44	\$28,710,000
Poultry	2016	Chickens and turkeys.				▲ \$36,813,000
	2015					\$36,169,000
Livestock, Other	2016	Pigs, goats, and sheep.				▼ \$185,000
	2015					\$202,000
Total	2016					▼ \$58,633,000
	2015					\$65,081,000



## PEST EXCLUSION / K-9 TEAMS

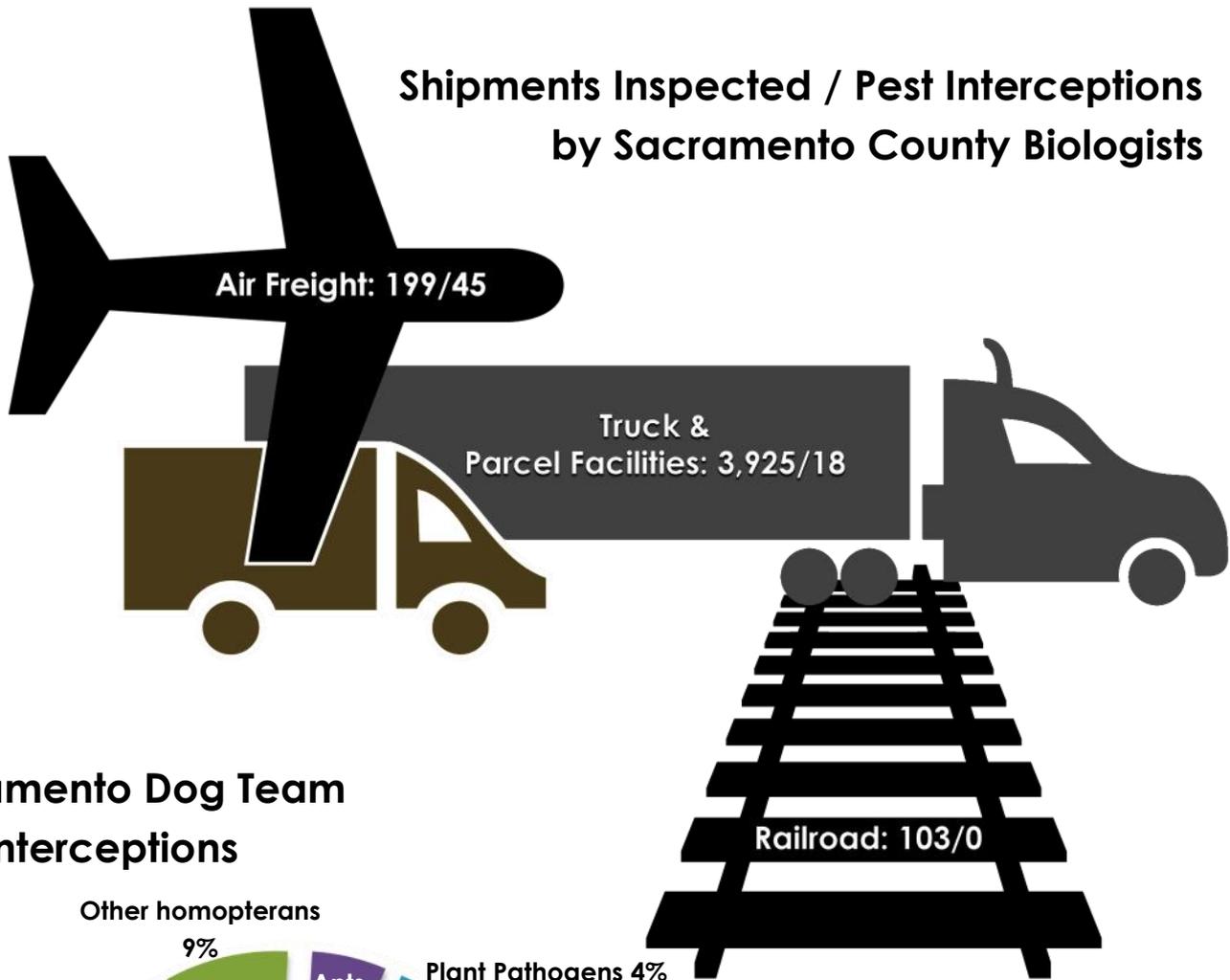


Shipments containing pests; sniffed out by the canine teams!

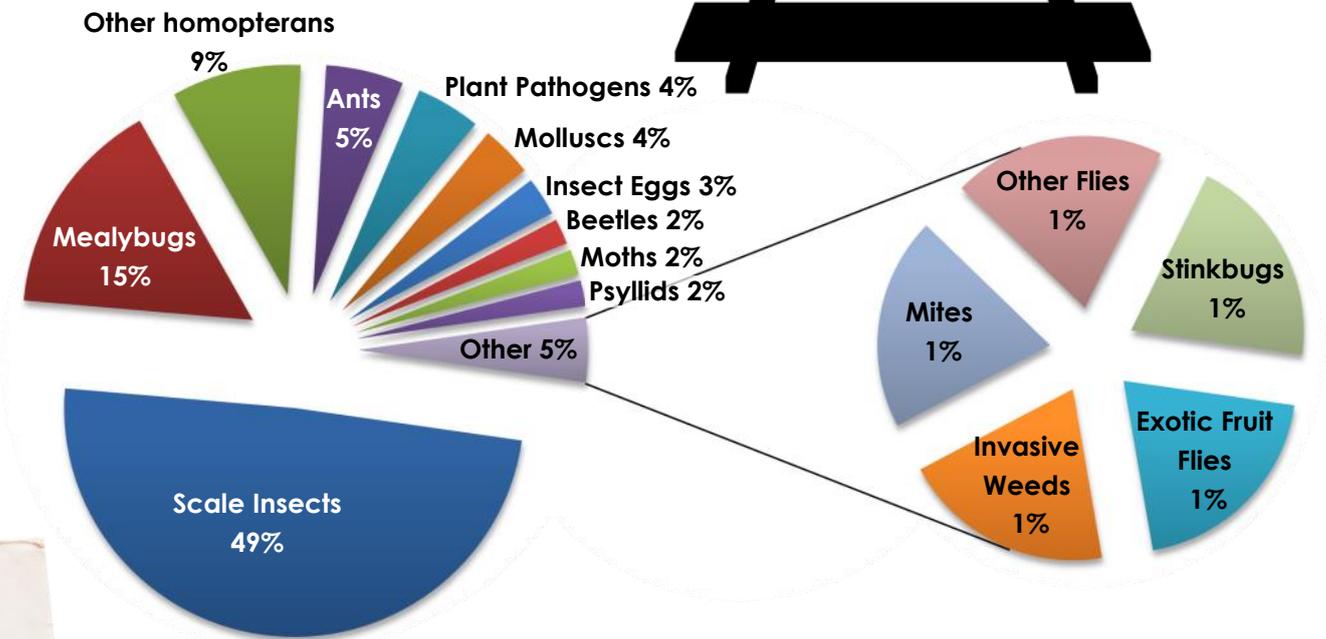


Sacramento County is home to two Agricultural Detection Canines. These USDA trained dogs, along with their handlers, are a first line of defense in protecting California's valuable Agricultural industries. The dogs enter parcel facilities and alert on packages with agricultural goods inside. Trained inspectors examine the contents to ensure the package is pest and disease free. This method has proven effective at stopping many harmful pests and diseases from entering Sacramento County.

## Shipments Inspected / Pest Interceptions by Sacramento County Biologists



### Sacramento Dog Team Pest Interceptions



Out of hundreds of thousands of unidentified packages, our Dog Team pinpoints thousands that contain plant material each year. In 2016, 126 of these shipments were found to harbor pests known to be devastating to agriculture, stopping them from entering Sacramento County and surrounding areas. The most notable pest finds in 2016 were Asian Citrus Psyllid, West Indian Fruit Fly, and Cedar-Apple Rust.



# PEST DETECTION



1. European Grapevine Moth Trap  
Host: Grapevines  
Special Survey

2. Gypsy Moth Trap  
Host: Shade Trees  
3,514 Servicings in 2016

3. Khapra Beetle Trap  
Host: Stored Grains  
Special Survey

4. Champ - Exotic Fruit Fly Trap  
Host: Fruit Trees  
100 Servicings in 2016

5. Glassy-Winged Sharpshooter & ACP Trap  
Host: Ornamental & Citrus  
18,264 Servicings in 2016

6. Oriental Fruit Fly Trap  
Host: Fruit Trees  
7,436 Servicings in 2016

For over 50 years, the Sacramento County Department of Agriculture has performed insect trapping as an early warning system against the accidental introduction of invasive exotic pests. Each year, our professional trapping crew service over 69,000 traps in plant nurseries, cropland, and residential areas. We would like to thank the residents of Sacramento County for their cooperation and making it possible for us to perform this very important task.



**7. McPhail - Exotic Fruit Fly Trap**  
 Host: Fruit Trees  
 7,436 Servicings in 2016

**8b. Light Brown Apple Moth Trap**  
 Host: Ornamental & Crop  
 7,193 Servicings in 2016

**10. Japanese Beetle Trap**  
 Host: Turf & Roses  
 2,646 Servicings in 2016

**8. Medfly Trap**  
 Host: Fruit Trees  
 16,874 Servicings in 2016

**9. Melon Fruit Fly Trap**  
 Host: Vegetable Gardens  
 6,094 Servicings in 2016

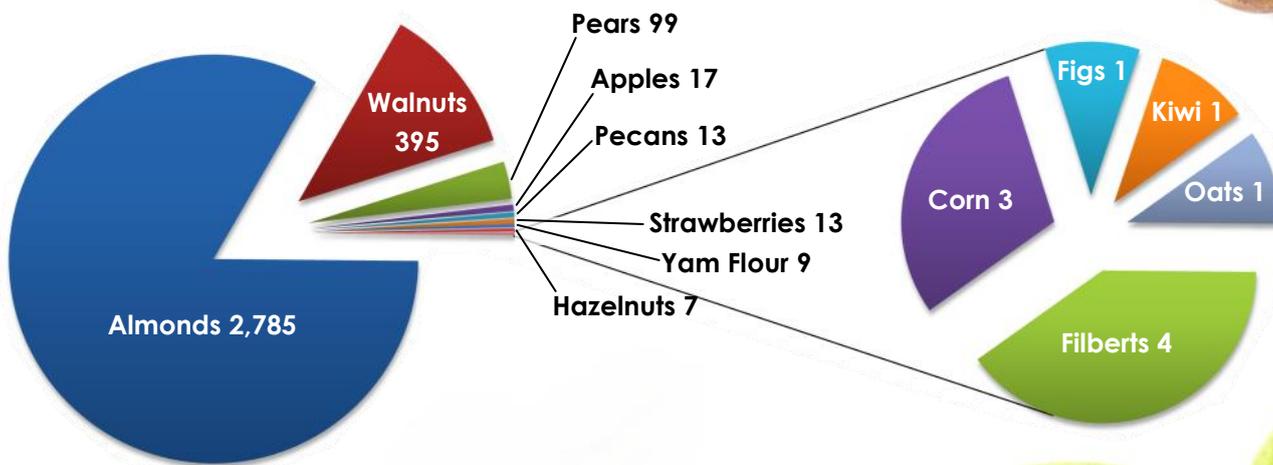
**11. Sieve for McPhail Trap**  
 Chart: Percentage of total trapping activity by location type.



# PHYTOSANITARY CERTIFICATION



**NUMBER OF CERTIFIED EXPORTS BY COMMODITY**  
 Representing over 160 million pounds of product.



## Sacramento County's Agricultural Trade Export Partners...

Algeria	Canada	UNITED STATES	El Salvador	India	Kuwait	Netherlands	Singapore	Ukraine
Argentina	Chile	HAWAII	Estonia	Indonesia	Latvia	New Zealand	Slovakia	United Arab Emirates
Armenia	China	Necker	Ethiopia	Iraq	Lebanon	Nigeria	South Africa	United Kingdom
Australia	Colombia	Kauai	Finland	Ireland	Lithuania	Norway	Spain	Uruguay
Azerbaijan	Croatia	Oahu	French Polynesia	Israel	Macedonia	Pakistan	Sweden	Vietnam
Bahrain	Czech Republic	Honolulu	Greece	Italy	Malaysia	Philippines	Taiwan	
Belgium	Dominican Republic	Molokai	Guatemala	Japan	Mexico	Portugal	Thailand	
Brazil	Ecuador	Mauka	Hong Kong	Jordan	Morocco	Saudi Arabia	Tunisia	
Bulgaria	Egypt	Molokai		Korea, republic of	Nepal	Serbia	Turkey	



# WEIGHTS & MEASURES



## 93.5%

Device Compliance



### Device Inspection

Weighing Devices	Inspected
Computing/Counter/Hanging Scales	2,258
Vehicle Scales	100
Dormant/Platform Scales	488
Livestock Scales	29
Jeweler Scales	55
Miscellaneous	23

Measuring Devices	Inspected
Retail Fuel Meters	5,348
Retail Water Meters	197
Taxi Meters	396
LPG Meters	74
Vapor/Water/Electric Submeters	1,755
Miscellaneous	68

### Price Verification

## 1,180

Locations Inspected!



## 20,760

Products Sampled!



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