

MONTEREY COUNTY

# CROP REPORT

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**2018**

CELEBRATING  
WOMEN  
*in*  
AGRICULTURE



# MONTEREY COUNTY CROP REPORT

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CALIFORNIA DEPARTMENT  
OF FOOD & AGRICULTURE  
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In accordance with Sections 2272 and 2279 of the California Food and Agricultural Code, I am pleased to release the 2018 Annual Crop Report for the County of Monterey. This report reflects a production value of \$4,258,629,000 which is a decrease of 3.7% from 2017. It is important to note that the values represented in this report reflect gross value of agricultural commodities grown in Monterey County and not the costs associated with labor, field preparation, planting, irrigating, harvesting, distribution, and other production activities. As

is always the case, we saw some crops increase in value while others decreased in value. The following are the major increases and decreases.

Leaf lettuce is our top crop with a value of \$733,171,000. This represents an 11.6% decrease from 2017 and is largely attributed to a reduction in Romaine lettuce production. Outbreaks of *E. Coli* infections resulting in Food Safety Alerts from the Centers for Disease Control and Prevention negatively impacted Romaine lettuce production. Strawberries came in as the 2nd most valuable crop at \$698,510,000 with an increase of 1.9% or \$12,752,000. The increase mostly resulted from improved pricing for strawberries slated for processing. Head lettuce was again the 3rd most valuable crop at \$459,452,000, a decrease of 8.6%. The decrease in head lettuce production was due to decreases in production and pricing. Broccoli repeated its 4th place ranking with a 5.2% decrease to \$388,946,000.

The Vegetable Crops category saw a decrease in value of \$135,758,000 to \$2,871,099,000. Fruits and Nuts category saw an increase of \$9,784,000 to \$1,043,856,000. Nursery Crops suffered a decrease of 21.2% or \$52,000,000 due to decreases in acreage, production, and prices. Wine Grapes saw an increase of 3.7% or \$8,866,000 to reach a total for red and white varietals of \$247,758,000.

The above average rains contributed to increased production in several crops such as livestock, alfalfa, and pastureland. Field Crops increased in value by \$2,073,000 to \$23,748,000. Livestock and Poultry increased \$9,184,000 to \$110,598,000.

This report would not be possible without the voluntary contribution of the agricultural industry in providing us with their data. This year, in addition to presenting our crop values, we are Celebrating Women in Agriculture and are featuring a collection of vignettes about some of the women that make Monterey County agriculture thrive. Credit for the successful creation of this report goes to our staff, specifically Shayla Neufeld who authored the article *Women in Monterey County Agriculture: A History of Support, A Future of Growth*, Yvonne Perez who worked with Shayla on the interviews for the vignettes and much more, Graham Hunting for his supervision of the crop report staff, and Rich Ordenez for his overall management of the project.

Respectfully submitted,

**Henry S. Gonzales**  
Agricultural Commissioner

COUNTY OF MONTEREY AGRICULTURAL COMMISSIONER

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WOMEN IN MONTEREY COUNTY AGRICULTURE

# A HISTORY OF SUPPORT, A FUTURE OF GROWTH

BY SHAYLA NEUFELD

**M**onterey County, the growers and shippers to ranchers and executives, is full of forward-thinking, innovative and supportive people. The community continues to passionately and wholeheartedly devote its time, energy and experience to making Monterey County agriculture a community of excellence.

The crop report this year celebrates the strides made by women, and for women, in Monterey County. We celebrate by sharing the stories of women in agriculture across all key sectors that are essential for this county's success.

I had the pleasure of speaking to a number of local women in a variety of positions and sectors of agriculture. One of the stories we're excited to share is about Maria Guadalupe Nunez, who views her fellow fieldworkers as family. The success stories don't stop with women in the field. One such person who we profile is Colby Pereira, a descendant of a farming family, who is now Manager of Food Safety Program and Regulatory Compliance for Costa Farms.

As I spoke to each of these women, a common thread wove their stories together. The women are passionate about the role they play in the greater process of developing fruitful, life-giving resources for their community.

Each of these inspiring women also shared examples of the support and encouragement they have received throughout their careers in agriculture. Some had the luck of good role models early in their career, while others forged their own paths. Many have raised families without compromising their quality of work, or the success of their companies and farms.

The foundation of support throughout Monterey County agriculture has encouraged them to reinvest that same support in the next generation of women in agriculture. No woman should feel overlooked, and through mentorships, sponsorships, educational opportunities, women in Monterey County agriculture are ready to reinvest time, energy and support for the next generation of agriculture professionals.



# GROSS PRODUCTION VALUE

**2017**

**2018**

\$3,006,857,000

VEGETABLE  
CROPS

\$2,871,099,000

FRUIT & NUTS

\$1,034,072,000

\$1,043,856,000

NURSERY CROPS

\$256,103,000

\$204,289,000

LIVESTOCK & POULTRY

\$101,413,000

\$110,598,000

FIELD CROPS

\$21,675,000

\$23,748,000

SEED CROPS & APIARY

\$5,306,000

\$5,039,000

\$4,425,426,000

TOTAL

\$4,258,629,000

TOTAL

MONTEREY COUNTY'S

# MAJOR CROP TRENDS

CROP		1998	2008	2018
Artichoke	Acre	6,451	5,993	4,469
	Value	\$38,801,000	\$66,642,000	\$53,156,000
	CPI Adjusted*	\$59,511,000	\$77,401,000	-
Broccoli	Acre	53,953	52,516	52,442
	Value	\$246,364,000	\$276,110,000	\$388,946,000
	CPI Adjusted	\$377,859,000	\$320,685,000	-
Cauliflower	Acre	18,701	16,723	19,636
	Value	\$104,637,000	\$101,467,000	\$209,292,000
	CPI Adjusted	\$160,486,000	\$117,848,000	-
Celery	Acre	8,720	10,405	10,088
	Value	\$78,082,000	\$121,343,000	\$145,400,000
	CPI Adjusted	\$119,758,000	\$140,933,000	-
Grapes (Wine)	Acre	39,901	40,144	44,924
	Value	\$178,610,000	\$238,366,000	\$247,758,000
	CPI Adjusted	\$273,942,000	\$276,848,000	-
Head Lettuce	Acre	57,738	54,919	38,172
	Value	\$359,644,000	\$460,605,000	\$459,452,000
	CPI Adjusted	\$551,601,000	\$534,965,000	-
Leaf Lettuce	Acre	32,835	95,327	57,357
	Value	\$209,624,000	\$651,503,000	\$733,171,000
	CPI Adjusted	\$321,509,000	\$756,682,000	-
Mushroom	Pounds	47,032,000	44,084,000	46,020,000
	Value	\$55,968,000	\$71,857,000	\$95,261,000
	CPI Adjusted	\$85,840,000	\$83,458,000	-
Nursery	Acre	2,739	1,866	998
	Value	\$154,297,000	\$326,105,000	\$204,289,000
	CPI Adjusted	\$236,652,000	\$378,751,000	-
Spinach	Acre	12,270	13,495	16,200
	Value	\$60,903,000	\$131,004,000	\$143,376,000
	CPI Adjusted	\$93,410,000	\$152,153,000	-
Strawberry	Acre	6,540	10,449	9,839
	Value	\$198,415,000	\$619,267,000	\$698,510,000
	CPI Adjusted	\$304,317,000	\$719,242,000	-
<b>TOTAL OF MAJOR CROPS ABOVE</b>	<b>Acre</b>	<b>239,848</b>	<b>301,837</b>	<b>254,125</b>
	<b>Value</b>	<b>\$1,685,345,000</b>	<b>\$3,064,269,000</b>	<b>\$3,378,611,000</b>
	<b>CPI Adjusted</b>	<b>\$2,584,885,000</b>	<b>\$3,558,966,000</b>	<b>-</b>

\* Consumer Price Index Conversion <http://liberalarts.oregonstate.edu/sites/liberalarts.oregonstate.edu/files/polisci/faculty-research/sahr/inflation-conversion/pdf/cv2018.pdf>





MONTEREY COUNTY'S  


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***TOP CROPS***  


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CROP	2018 CROP VALUE	2018 CROP RANKING	2017 CROP RANKING
Leaf Lettuce	\$733,171,000	1	1
Strawberry	\$698,510,000	2	2
Head Lettuce	\$459,452,000	3	3
Broccoli	\$388,946,000	4	4
Wine Grape	\$247,758,000	5	6
Cauliflower	\$209,292,000	6	7
Misc. Vegetables	\$205,285,000	7	8
Nursery	\$204,289,000	8	5
Celery	\$145,400,000	9	9
Spinach	\$143,376,000	10	10
Livestock & Poultry	\$110,598,000	11	12
Mushroom	\$95,261,000	12	11
Brussels Sprout	\$78,300,000	13	13
Peas	\$61,387,000	14	16
Artichoke	\$53,156,000	15	15
Kale	\$48,151,000	16	17
Lemon	\$41,612,000	17	20
Onion, Dry	\$38,250,000	18	21
Cabbage	\$37,924,000	19	19
Spring Mix	\$37,414,000	20	18
Raspberry	\$35,367,000	21	14
Carrot	\$30,248,000	22	22
Rangeland	\$19,151,000	23	23
Garlic	\$16,380,000	24	-
Chard	\$15,198,000	25	25
Blackberry	\$14,651,000	26	26



# VEGETABLE CROPS

CROP <sup>1</sup>	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL <sup>2</sup>
Anise / Fennel	2018	848	18.93	16,100	ton	\$903.00	\$14,538,000
	2017	797	19.69	15,700	ton	\$1,140.00	\$17,898,000
Artichoke	2018	4,469	6.13	27,400	ton	\$1,940.00	\$53,156,000
	2017	4,822	5.85	28,200	ton	\$1,750.00	\$49,350,000
Asparagus	2018	1,297	4.24	5,500	ton	\$2,620.00	\$14,410,000
	2017	1,460	4.02	5,870	ton	\$1,980.00	\$11,623,000
Bok Choy	2018	387	11.49	4,450	ton	\$818.00	\$3,640,000
	2017	377	15.99	6,030	ton	\$770.00	\$4,643,000
Broccoli, Bulk <sup>3</sup>	2018	—	—	94,900	ton	\$795.00	\$75,446,000
	2017	—	—	88,400	ton	\$948.00	\$83,803,000
Broccoli, Fresh	2018	39,332	7.24	285,000	ton	\$1,100.00	\$313,500,000
	2017	37,330	7.62	284,000	ton	\$1,150.00	\$326,600,000
Broccoli, Total	2018	52,442	—	—	—	—	\$388,946,000
	2017	48,916	—	—	—	—	\$410,403,000
Brussels Sprout	2018	4,187	10.39	43,500	ton	\$1,800.00	\$78,300,000
	2017	3,356	10.15	34,100	ton	\$2,240.00	\$76,384,000
Cabbage, Bulk	2018	—	—	49,200	ton	\$238.00	\$11,710,000
	2017	—	—	51,500	ton	\$250.00	\$12,875,000
Cabbage, Fresh	2018	2,516	20.36	51,200	ton	\$512.00	\$26,214,000
	2017	2,320	21.70	50,300	ton	\$569.00	\$28,621,000
Cabbage, Total	2018	4,934	—	—	—	—	\$37,924,000
	2017	4,695	—	—	—	—	\$41,496,000

1 Organic production included.

2 Totals may not calculate due to rounding.

3 Bulk may include one or more of the following: food service, processing and/or value added.



# VEGETABLE CROPS (CONTINUED)

CROP	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Carrot, Bulk	2018	—	—	37,700	ton	\$407.00	\$15,344,000
	2017	—	—	42,800	ton	\$370.00	\$15,836,000
Carrot, Fresh	2018	1,160	19.82	23,000	ton	\$648.00	\$14,904,000
	2017	1,340	20.37	27,300	ton	\$594.00	\$16,216,000
Carrot, Total	2018	2,417	—	—	—	—	\$30,248,000
	2017	2,770	—	—	—	—	\$32,052,000
Cauliflower, Bulk	2018	—	—	31,500	ton	\$848.00	\$26,712,000
	2017	—	—	28,100	ton	\$840.00	\$23,604,000
Cauliflower, Fresh	2018	16,691	10.71	179,000	ton	\$1,020.00	\$182,580,000
	2017	15,975	9.58	153,000	ton	\$1,180.00	\$180,540,000
Cauliflower, Total	2018	19,636	—	—	—	—	\$209,292,000
	2017	18,905	—	—	—	—	\$204,144,000
Celery, Bulk	2018	—	—	23,800	ton	\$400.00	\$9,520,000
	2017	—	—	30,300	ton	\$431.00	\$13,059,000
Celery, Fresh	2018	9,382	33.68	316,000	ton	\$430.00	\$135,880,000
	2017	10,670	32.73	349,000	ton	\$460.00	\$160,540,000
Celery, Total	2018	10,088	—	—	—	—	\$145,400,000
	2017	11,597	—	—	—	—	\$173,599,000
Chard	2018	1,237	8.25	10,200	ton	\$1,490.00	\$15,198,000
	2017	1,108	9.38	10,400	ton	\$1,560.00	\$16,224,000
Cilantro	2018	1,268	7.01	8,890	ton	\$1,610.00	\$14,313,000
	2017	1,139	7.64	8,700	ton	\$1,120.00	\$9,744,000
Garlic*	2018	886	10.56	9,360	ton	\$1,750.00	\$16,380,000
	2017	-	-	-	ton	-	-
Kale	2018	2,611	10.30	26,900	ton	\$1,790.00	\$48,151,000
	2017	2,931	10.30	30,200	ton	\$1,530.00	\$46,206,000
Leek	2018	589	13.30	7,830	ton	\$1,390.00	\$10,884,000
	2017	475	12.53	5,950	ton	\$1,440.00	\$8,568,000

\* Previously included in Misc. Vegetables

**“FIND WHAT SPEAKS TO YOUR HEART AND SOMETHING YOU  
HAVE A GENUINE INTEREST IN BECAUSE THE POSSIBILITIES  
ARE ENDLESS WITH AGRICULTURE.”**

*Colby Pereira*

# VEGETABLE CROPS (CONTINUED)

CROP	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Lettuce, Total <sup>4</sup>	2018	95,529	—	—	—	—	\$1,192,623,000
	2017	106,863	—	—	—	—	\$1,332,258,000
Misc. Vegetables, Bulk	2018	—	—	179,000	ton	\$735.00	\$131,565,000
	2017	—	—	173,000	ton	\$713.00	\$123,349,000
Misc. Vegetables, Fresh	2018	11,424	6.65	76,000	ton	\$970.00	\$73,720,000
	2017	11,923	6.17	73,600	ton	\$899.00	\$66,166,000
Misc. Vegetables, Total <sup>5</sup>	2018	40,602	—	—	—	—	\$205,285,000
	2017	39,961	—	—	—	—	\$189,515,000
Mushroom	2018	145	—	46,020,000	lbs	\$2.07	\$95,261,000
	2017	153	—	48,412,000	lbs	\$2.18	\$105,538,000
Napa Cabbage	2018	336	14.11	4,740	ton	\$864.00	\$4,095,000
	2017	310	15.67	4,860	ton	\$1,080.00	\$5,249,000
Onion, Dry	2018	1,919	39.86	76,500	ton	\$500.00	\$38,250,000
	2017	2,170	32.58	70,700	ton	\$460.00	\$32,522,000
Parsley	2018	261	11.49	2,990	ton	\$1,400.00	\$4,186,000
	2017	290	9.82	2,850	ton	\$1,420.00	\$4,047,000
Peas <sup>6</sup>	2018	5,338	—	—	—	—	\$61,387,000
	2017	4,892	—	—	—	—	\$48,920,000
Peppers <sup>7</sup>	2018	518	24.71	12,800	ton	\$390.00	\$4,992,000
	2017	546	17.16	9,370	ton	\$392.00	\$3,673,000
Radish	2018	193	12.64	2,440	ton	\$1,090.00	\$2,660,000
	2017	184	11.85	2,180	ton	\$1,110.00	\$2,420,000
Spinach, Bulk	2018	—	—	122,000	ton	\$984.00	\$120,048,000
	2017	—	—	112,000	ton	\$1,000.00	\$112,000,000
Spinach, Fresh	2018	1,900	8.50	16,200	ton	\$1,440.00	\$23,328,000
	2017	1,793	8.50	15,200	ton	\$1,520.00	\$23,104,000
Spinach, Total	2018	16,200	—	—	—	—	\$143,376,000
	2017	14,993	—	—	—	—	\$135,104,000
Spring Mix	2018	4,618	8.25	38,100	ton	\$982.00	\$37,414,000
	2017	6,597	7.22	47,600	ton	\$935.00	\$44,506,000
Squash	2018	116	11.72	1,360	ton	\$581.00	\$790,000
	2017	152	10.46	1,590	ton	\$485.00	\$771,000
<b>VEGETABLE CROPS TOTAL</b>	<b>2018</b>	<b>273,071</b>					<b>\$2,871,099,000</b>
	<b>2017</b>	<b>290,987</b>					<b>\$3,006,857,000</b>

4 See Lettuce Production, page 10

5 Includes: Arugula, Beet, Broccoli, Cactus Pear, Collard Green, Cucumber, Fava Bean, Frisee, Green Onions, Herbs, Kohlrabi, Mache, Mustard, Pumpkin, Radicchio, Rappini, Salad Products, Tomato and Turnip.

6 Includes: Bulk

7 Includes: Bell Pepper, Chili Pepper and Pimento.

CELEBRATING  
*Mary Orradre*

Mary grew up a city girl but always understood the importance of farming and ranching. She was introduced to the agricultural life when she married her husband and quickly learned the family cattle business. Today, Mary considers herself an advisor to Orradre Ranch by discussing current trends, regulations, business events, daily operations and overall support. She has been honored numerous times by the agriculture community, including Agriculture Woman of the

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**“MY FAVORITE PART OF AGRICULTURE IS THE SEASONALITY OF CROPS; THE GROWING OF GREEN GRAZING GRASS, CALVING AND THE RENEWABILITY OF EACH LIFE CYCLE.”**

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Year in 2005. Mary’s favorite part of agriculture is the seasonality of crops; the growing of green grazing grass, calving and the renewability of each life cycle. She hopes the laws and regulations will allow the next generation to continue with respect to the land and sustainability practices. Mary believes all people should be aware of all the good things agriculture does for them and open their eyes to the agriculture that surrounds them in Monterey County.



CELEBRATING  
*Abby Taylor-Silva*

Abby was born a farmer’s daughter and she knew agriculture would be a part of her future. Paul Harvey’s poem “So God Made a Farmer” speaks to her on many levels. Farmers are our caretakers, school board members, parents and active members in their community. People are her favorite part of agriculture and she finds fulfillment connecting people and building a networking community. An average

day as Vice President of Policy and Communications for Grower-Shipper Association of Central California involves public meetings, interacting with farmers, talking to County Supervisors, Assembly members, regulators, preparing documents and reading technical papers. Abby’s commitment to the Salinas Valley is only surpassed by her commitment to being a mom and raising her kids. Throughout her career, she has been

family focused but still recognizes the value of saying yes to every opportunity possible. Abby advises women early in their careers to “find the people who are in your corner and say yes to as much as you can until you stop learning from that in which you originally said yes to; then say yes to the next thing.” She adds, “When we build each other up, we lift the industry as a whole.”



# LETTUCE PRODUCTION

CROP	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
<b>HEAD LETTUCE</b>							
Naked	2018	—	—	5,457,000	ctn <sup>8</sup>	\$12.50	\$68,213,000
	2017	—	—	5,413,000	ctn	\$13.00	\$70,369,000
Wrapped	2018	—	—	20,735,000	ctn	\$13.70	\$284,070,000
	2017	—	—	21,370,000	ctn	\$14.10	\$301,317,000
Bulk	2018	—	—	257,000	ton	\$417.00	\$107,169,000
	2017	—	—	298,000	ton	\$439.00	\$130,822,000
<b>HEAD LETTUCE, TOTAL</b>	<b>2018</b>	<b>38,172</b>	<b>1,000</b>	<b>38,172,000</b>	<b>ctn</b>	<b>—</b>	<b>\$459,452,000</b>
	<b>2017</b>	<b>40,476</b>	<b>1,000</b>	<b>40,476,000</b>	<b>ctn</b>	<b>—</b>	<b>\$502,508,000</b>
<b>LEAF LETTUCE</b>							
Butter Leaf	2018	1,161	950	1,103,000	ctn	\$9.22	\$10,170,000
	2017	941	950	894,000	ctn	\$11.70	\$10,460,000
Endive	2018	287	1,100	316,000	ctn	\$9.28	\$2,932,000
	2017	300	1,100	330,000	ctn	\$12.50	\$4,125,000
Escarole	2018	154	1,100	169,000	ctn	\$11.40	\$1,927,000
	2017	162	1,100	178,000	ctn	\$14.50	\$2,581,000
Green Leaf	2018	8,278	950	7,864,000	ctn	\$9.97	\$78,404,000
	2017	8,971	950	8,522,000	ctn	\$12.10	\$103,116,000
Red Leaf	2018	3,546	950	3,369,000	ctn	\$10.10	\$34,027,000
	2017	3,464	950	3,291,000	ctn	\$11.60	\$38,176,000
Romaine, Bulk	2018	—	—	226,000	ton	\$702.00	\$158,652,000
	2017	—	—	234,000	ton	\$395.00	\$92,430,000
Romaine, Fresh <sup>9</sup>	2018	32,030	1,000	32,030,000	ctn	\$13.30	\$425,999,000
	2017	40,233	1,000	40,233,000	ctn	\$14.00	\$563,262,000
Leaf Lettuce, Bulk	2018	—	—	35,100	ton	\$600.00	\$21,060,000
	2017	—	—	26,000	ton	\$600.00	\$15,600,000
<b>LEAF LETTUCE, TOTAL</b>	<b>2018</b>	<b>57,357</b>	<b>—</b>	<b>57,242,000</b>	<b>ctn</b>	<b>—</b>	<b>\$733,171,000</b>
	<b>2017</b>	<b>66,387</b>	<b>—</b>	<b>66,254,000</b>	<b>ctn</b>	<b>—</b>	<b>\$829,750,000</b>
<b>LETTUCE CROPS TOTAL</b>	<b>2018</b>	<b>95,529</b>					<b>\$1,192,623,000</b>
	<b>2017</b>	<b>106,863</b>					<b>\$1,332,258,000</b>

<sup>8</sup> Carton  
<sup>9</sup> Includes Romaine Hearts

**“FOLLOW YOUR PASSION, TEACH WHAT YOU KNOW  
AND ALWAYS BE WILLING TO LEARN.”**

*Maria de la Fuente*

# FRUIT & NUT CROPS

CROP	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Avocado	2018	256	4.52	1,160	ton	\$2,250.00	\$2,610,000
	2017	383	3.08	1,180	ton	\$3,240.00	\$3,823,000
Blackberry	2018	303	8.10	2,450	ton	\$5,980.00	\$14,651,000
	2017	273	7.25	1,980	ton	\$6,110.00	\$12,098,000
Grapes (Wine) <sup>10</sup>	2018	44,924	4.00	180,000	ton	—	\$247,758,000
	2017	44,299	3.86	171,000	ton	—	\$239,027,000
Lemon	2018	1,269	32.47	41,200	ton	\$1,010.00	\$41,612,000
	2017	1,205	28.14	33,900	ton	\$1,140.00	\$38,646,000
Misc. Fruit <sup>11</sup>	2018	413	3.27	1,350	ton	\$2,480.00	\$3,348,000
	2017	510	3.30	1,680	ton	\$2,700.00	\$4,536,000
Raspberry	2018	602	7.90	4,760	ton	\$7,430.00	\$35,367,000
	2017	783	9.20	7,200	ton	\$6,970.00	\$50,184,000
Strawberry, Fresh	2018	9,839	50.72	499,000	ton	\$1,380.00	\$688,620,000
	2017	10,178	43.23	440,000	ton	\$1,540.00	\$677,600,000
Strawberry, Processing	2018	—	—	21,500	ton	\$460.00	\$9,890,000
	2017	—	—	21,300	ton	\$383.00	\$8,158,000
Strawberry, Total	2018	9,839	—	521,000	ton	—	\$698,510,000
	2017	10,178	—	461,000	ton	—	\$685,758,000
<b>FRUIT &amp; NUT CROPS TOTAL</b>	<b>2018</b>	<b>57,606</b>					<b>\$1,043,856,000</b>
	<b>2017</b>	<b>57,631</b>					<b>\$1,034,072,000</b>

<sup>10</sup> Represents Bearing Acres only; see Wine Grape Production, pages 22-23.

<sup>11</sup> Includes: Apple, Blueberry, Kiwi, Loganberry, Olallieberry, Olive and Walnut.

CELEBRATING

# Maria de la Fuente

Maria was inspired to work in agriculture because food gives sustenance to the body, education to the mind and spirituality to the soul. She is the Monterey County Director for University of California Cooperative Extension and enjoys feeding minds with university work and feeding the body with agriculture. Maria helps with outreach, partnerships with government agencies and all the various educational sectors within the university she oversees. One of the UC programs, California 4-H Youth Development, engages youth to become the citizens of tomorrow with the help of adult volunteers; all our

volunteers are agents of the UC and help us share knowledge of agriculture and natural resources. "Follow your passion, teach what you know and always be willing to learn," she says. Education has always been a priority for Maria and she credits completion of her college and graduate schooling to her strong female role model -her mother-while growing up in Mexico. Advice she loves to share is that women can contribute in numerous ways to agriculture and society by voicing their opinions and being assertive. Maria believes if women know their rights and responsibilities, they can act accordingly in any situation.



## THEY ARE ALL PASSIONATE ABOUT THE ROLES OF DEVELOPING FRUITFUL, LIFE-GIVING

CELEBRATING

# Colby Pereira

Colby has early childhood memories of growing up in a farming family, riding around in the pickup truck with her grandfather and attending meetings with him. Her grandmother, a role model to Colby, helped start the farm and was very involved in the business activities. As a third-generation member of Costa Farms, her family's farming operation, Colby manages the food safety program and regulatory compliance. She enjoys the variety that each day brings. "Every day is different and what I love about

agriculture," Colby explains. She has always been deeply rooted in the community and Monterey County by volunteering to serve on numerous boards and committees. Being a forward thinker, she believes the global food system we are part of is constantly evolving and we must continuously evaluate opportunities to remain a stable force. Colby's advice to women: "Find what speaks to your heart and something you have a genuine interest in because the possibilities are endless with agriculture."





CELEBRATING  
*Sharon Benzen*

As an Agronomist for USDA-Agricultural Research Service, Sharon manages the research farm and experiments. She coordinates farm crew and equipment, assigns land projects and oversees daily farming operations. In college she took a crop science class and was instantly hooked on agriculture. Sharon was drawn to Monterey County because of the climate and vastness of agriculture. She relishes

in the opportunity to work outdoors, watch plants grow in the field and help solve complex research problems associated with specialty vegetable crop production. Sharon is excited for the role women will continue to play in the future as more women get involved and accept leadership positions. "Agriculture options are wide open because there are so many avenues women can get involved in," she said.



***ROLE THEY PLAY IN THE GREATER PROCESS  
OF PROVIDING RESOURCES FOR THEIR COMMUNITY.***



CELEBRATING

*Maria Guadalupe Nunez*

Maria Guadalupe Nunez has been working in the fields of Monterey County since 1997. She came to the United States from Mexico to take care of children because her brothers were protective of her and initially didn't want her in the fields. A friend was able to help her get a job working in the vineyard, and then garlic and tomato fields. She was offered the responsibility of forewoman. It's hard work and she would sacrifice spending extra time with her daughter. In addition to weeding, fixing irrigation tape, and harvesting lettuce and grapes, she

would oversee and shuttle the other workers. Maria's advice for other women in agriculture is to have a love for the job, which for her means working out in the open air because it's peaceful and reduces stress. She concludes, "Agriculture is a part of my life. My family lives far away, but my other family is my coworkers." In fact, 20 years ago, when Maria didn't know how to weed, the foreman for her crew taught her. She continues, "it doesn't matter how hard the work is, as long as my children are well. It is a blessing for me to work to provide for my family."



# CUT FLOWERS & CUT FOLIAGE

CROP	YEAR	ACREAGE	PRODUCTION QUANTITY SOLD	UNIT	VALUE PER UNIT	TOTAL
Chrysanthemum	2018	12.0	933,000	per bloom	\$1.96	\$1,829,000
	2017	14.8	1,734,000	per bloom	\$1.27	\$2,202,000
Eucalyptus	2018	72.8	213,000	per bunch	\$1.76	\$375,000
	2017	71.4	195,000	per bunch	\$1.91	\$372,000
Gerbera	2018	4.7	2,056,000	per bloom	\$0.58	\$1,192,000
	2017	6.3	2,441,000	per bloom	\$0.59	\$1,440,000
Misc. Cut Flowers & Cut Foliage <sup>12</sup>	2018	133.3	1,708,000	various	\$2.84	\$4,851,000
	2017*	139.0	1,608,000	various	\$2.35	\$3,780,000
Roses	2018	9.4	2,427,000	per bloom	\$1.26	\$3,058,000
	2017	9.9	2,639,000	per bloom	\$1.26	\$3,325,000
<b>CUT FLOWERS &amp; CUT FOLIAGE TOTAL</b>	<b>2018</b>	<b>232</b>				<b>\$11,305,000</b>
	<b>2017</b>	<b>241</b>				<b>\$11,119,000</b>

<sup>12</sup> Includes: Acacia, Alstroemeria, Asiatic Lily, Banksia, Belladonna, Boronia, Bulperum, Calla Lily, Carnations, Cornflower, Curly Willow, Dahlias, Delphinium, Euphorbia, Grevillea, Hydrangea, Iris, Kale, Lavender, Leather Leaf, Leucadendron, Lily, Limonium, Marigold, Oriental Lily, Protea, Ranunculus, Rosemary, Snapdragon, Statice, Sunflower, Tulips, Viburnum and Zinnia.

\* Adjusted figure to include Alstroemeria and Tulips

**“PEOPLE ARE MY FAVORITE PART OF AGRICULTURE. I FIND FULLFILLMENT  
IN CONNECTING PEOPLE AND BUILDING A NETWORKING COMMUNITY.”**

*Abby Taylor-Silva*





# ***NURSERY PRODUCTS***

CROP	YEAR	ACREAGE	PRODUCTION QUANTITY SOLD	UNIT	VALUE PER UNIT	TOTAL
Bedding Plants	2018	64.2	6,972,000	per plant	\$3.21	\$22,380,000
	2017	84.3	11,365,000	per plant	\$3.28	\$37,277,000
Misc. Nursery Products <sup>13</sup>	2018	330.5	19,768,000	various	\$1.43	\$28,268,000
	2017*	312.3	25,970,000	various	\$1.11	\$29,071,000
Orchids	2018	89.4	9,387,000	per plant	\$7.85	\$73,688,000
	2017	89.3	10,910,000	per plant	\$8.09	\$88,262,000
Poinsettia	2018	46.0	864,000	per plant	\$4.10	\$3,542,000
	2017	51.6	962,000	per plant	\$4.09	\$3,935,000
Potted Plants	2018	156.9	4,613,000	per plant	\$5.51	\$25,418,000
	2017	226.6	7,189,000	per plant	\$5.16	\$37,095,000
Vegetable Transplants	2018	78.7	992,205,000	per plant	\$0.04	\$39,688,000
	2017	157.1	2,467,207,000	per plant	\$0.02	\$49,344,000
<b>NURSERY PRODUCTS TOTAL</b>	<b>2018</b>	<b>766</b>				<b>\$192,984,000</b>
	<b>2017</b>	<b>921</b>				<b>\$244,984,000</b>
<b>OVERALL NURSERY TOTAL<sup>14</sup></b>	<b>2018</b>	<b>998</b>				<b>\$204,289,000</b>
	<b>2017</b>	<b>1,162</b>				<b>\$256,103,000</b>

<sup>13</sup> Includes: Annuals, Begonia, Bulbs, Christmas Trees, Corms, Cypress, Dusty Miller, Fruit & Nut Trees, Hakea, Herbs, Jasmine, Money Tree, Myrtle, Native Plants, Propagative Materials, Rhizomes, Tubers, Turf and Woody Ornamentals.

<sup>14</sup> Totals from Cut Flower & Cut Foliage and Nursery Products.

\* Adjusted figure to include Propagative Materials and Woody Ornamentals





CELEBRATING  
*Maria Carmen Santoyo*

Maria Carmen Santoyo has been involved in Monterey County agriculture for approximately 25 years. In her first job as a fieldworker in the strawberry fields, she harvested strawberries and conducted quality checks. The job enabled her to also spend quality time with her children when they were younger. Maria

says, "pushing my kids ahead in life has been my biggest influence," but balancing her job and family also comes with challenges and sacrifices. Now she works in the cauliflower fields bagging the cauliflower heads and packing them in boxes and continues to love working outdoors. During the season, she works

six days a week, but that varies depending on packing request of the company that day. She encourages other women starting their career in agriculture to learn the English language, as she did. Maria sees learning English as a path to greater opportunities in agriculture for field workers and their families.



CELEBRATING  
*Leticia Hernandez*

Six years ago, Leticia Hernandez was a stay at home mom who developed a knack for gardening as a way to pass the time while her kids napped.

She had no formal training, degrees or certifications in agriculture, but that didn't stop her from organizing

volunteers to build a community garden. Perseverance led her to taking on the role of FARMS Leadership Program Coordinator. Leticia's typical day involves outreach to partners in the industry, planning

field days for high school students and creating the agendas to provoke intelligent conversations. "I try to inspire, educate and cultivate future

generations of farmers, agriculture leaders and natural resource stewards," she says. Leticia recommends

women building a career find a mentor and dress for the job you want. "I am a native Monterey County resident and I didn't choose agriculture it chose me. I am very blessed to do something I love in a place that I love," she says.

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***"I AM A NATIVE MONTEREY COUNTY RESIDENT AND I DIDN'T CHOOSE AGRICULTURE IT CHOSE ME. I AM VERY BLESSED TO DO SOMETHING I LOVE IN A PLACE THAT I LOVE,"***

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# FIELD CROPS

CROP	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Barley, Grain	2018	4,482	0.96	4,300	ton	\$143.00	\$615,000
	2017	3,792	0.94	3,560	ton	\$145.00	\$516,000
Bean <sup>15</sup>	2018	822	1.52	1,250	ton	\$2,100.00	\$2,625,000
	2017	425	1.70	723	ton	\$1,880.00	\$1,359,000
Hay, Alfalfa	2018	1,284	4.75	6,100	ton	\$110.00	\$671,000
	2017	277	5.23	1,450	ton	\$196.00	\$284,000
Misc. Field Crops <sup>16</sup>	2018	2,110	—	—		—	\$507,000
	2017	812	—	—		—	\$196,000
Oat <sup>17</sup>	2018	465	1.75	814	ton	\$110.00	\$89,500
	2017	451	1.86	839	ton	\$120.00	\$101,000
Rangeland	2018	1,063,918	—	—	acre	\$18.00	\$19,151,000
	2017	1,062,686	—	—	acre	\$18.00	\$19,128,000
Wheat, Grain	2018	420	1.12	470	ton	\$190.00	\$89,300
	2017	840	0.83	697	ton	\$130.00	\$90,600
<b>FIELD CROPS TOTAL</b>	<b>2018</b>	<b>1,073,501</b>					<b>\$23,748,000</b>
	<b>2017</b>	<b>1,069,283</b>					<b>\$21,675,000</b>

<sup>15</sup> Includes: Peruano, Pintos, Pink, Pinquito and Lima Beans

<sup>16</sup> Includes: Pastureland and Safflower

<sup>17</sup> Includes: Hay Oats and Misc. Oats.



# LIVESTOCK & POULTRY



CROP	YEAR	HEAD	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Cattle & Calves	2018	25,100	177,000	cwt <sup>+</sup>	\$136.00	\$24,072,000
	2017	25,500	179,000	cwt	\$125.00	\$22,375,000
Stocker	2018	60,500	427,000	cwt	\$137.00	\$58,499,000
	2017	56,300	398,000	cwt	\$134.00	\$53,332,000
Sheep & Lambs	2018	1,210	1,500	cwt	\$166.00	\$249,000
	2017	1,100	1,500	cwt	\$131.00	\$197,000
Hogs	2018	1,650	446,000	lbs	\$0.65	\$290,000
	2017	1,600	432,000	lbs	\$0.70	\$303,000
Misc. Livestock <sup>18</sup> & Poultry <sup>19</sup> Products	2018	—	—	—	—	\$27,488,000
	2017	—	—	—	—	\$25,207,000
<b>LIVESTOCK &amp; POULTRY TOTAL</b>	<b>2018</b>					<b>\$110,598,000</b>
	<b>2017</b>					<b>\$101,414,000</b>

<sup>18</sup> Includes: Bulls, Cull Cows, Dairy Cows, Milk Manufacturing and Market Milk.

<sup>19</sup> Includes: Eggs, Hatcheries and Poultry.

<sup>+</sup>Hundredweight (100 pounds)



CELEBRATING

# Janet Louie

Spending days after school grading, bunching and tending to the flowers is a huge part of Janet's childhood. Her strong Japanese upbringing has instilled dedication to family, a hard work ethic and determination.

After teaching English in Japan for two years after college, she moved back to Monterey

County to assist her parents with the family flower farm, Green Valley Floral. Janet and her husband, Curtis, now run the family business. She manages sales and human resources for one

of only a few cut flower greenhouses specializing in cut roses left in the United States. "Agriculture always involves risk but if you work hard, you get results", Janet says of the decisions

made to innovate and improve technology within their business. Agriculture is unique and involves hard work

but can be rewarding if you enjoy what you do. Visiting the greenhouses and checking on the quality and color of the blooms gives her the opportunity to stop and smell the roses.

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**"AGRICULTURE ALWAYS INVOLVES RISK BUT IF YOU WORK HARD, YOU GET RESULTS."**

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CELEBRATING

# Margaret Duflock

Margaret's favorite thing about agriculture is that people are authentic, genuine and supportive. She would know well because she is carrying on a legacy in the cattle business started by her great grandfather in 1871. Margaret grew up on San Bernardo Rancho with a strong role model of strength—her

mother—who balanced involvement in the ranch with an ability to maintain a loving family. Through the years Margaret has sat on numerous boards and has been involved in the agriculture community, including as the first woman president of the Monterey County Cattlemen's Association. She sees the opportunity

for more women to get involved with agricultural policy and preserve farming and grazing land of Monterey County by educating people on where their food comes from. Margaret advises women thinking about getting involved with agriculture or currently involved, "stay strong and stand firm on what you believe in."



# SUMMARY OF PEST MANAGEMENT

Pest Management and Eradication is the concerted effort to abate incipient and established infestations of biologically or economically important pests. 2,407 gross acres were surveyed for Fertile Capeweed and mapped. A community effort to reduce French Broom was aided with complementary manual removal on adjacent rights of way. 881 gross acres of Yellow Star Thistle infested rights of way were managed

in South Monterey County. 1,094 gross acres were surveyed for Scotch Thistle. The Monterey County Weed Management Area had one group meeting, visited the Capitol to advocate for invasive species awareness and funding, and organized a plenary session for the California Invasive Plant Council's annual symposium.

ACTIVITY	CONTROL MECHANISM	SCOPE OF PROGRAM
<b>COUNTY BIOLOGICAL CONTROL</b>		
Yellow Starthistle, <i>Centaurea solstitialis</i>	Seedhead Weevils/Fly, <i>Bangasternus orientalis</i> , <i>Eustenopus villosus</i> , <i>Urophora sirunaseva</i> , <i>Larinus curtus</i>	47 sites
Italian Thistle, <i>Carduus spp.</i>	Seedhead weevil, <i>Rhinocyllus conicus</i>	General Distribution
Russian Thistle, <i>Salsola australis</i>	Leaf & stem mining moths, <i>Coleophora spp.</i>	General Distribution
Puncture Vine, <i>Tribulus terrestris</i>	Stem & Seed weevils, and <i>Microlarinus spp.</i>	General and Local Distribution
Ash Whitefly, <i>Siphoninus phillyreae</i>	Parasitic wasp, <i>Encarsia inaron</i>	General Distribution
<b>PEST ERADICATION</b>		
Scotch Thistle, <i>Onopordum acanthium</i>	Mechanical/Chemical	One Infestation
Skeletonweed, <i>Chondrilla juncea</i>	Mechanical/Chemical	One Infestation
Puna Grass, <i>Achnatherum brachychaetum</i>	Mechanical/Chemical	Nine Infestations
Hydrilla, <i>Hydrilla verticillata</i>	Mechanical/Chemical	Eradicated
Biddy-biddy, <i>Acaena novae-zelandiae</i>	Mechanical/Chemical	Eradicated
<b>PEST MANAGEMENT</b>		
Portuguese Broom, French Broom	Manual	One Site, Two Sites
Roadside, Targeted Noxious Weeds	Chemical	County right-of-ways, spot treatment
Lettuce Mosaic Virus	Virus-Free Seed	Indexing of all county-planted seed
Lettuce Mosaic Virus	Host-Free Period	No lettuce above ground during Dec. 7-21
Celery Mosaic Virus	Host-Free Period	No celery above ground in January
Lettuce Root Aphid	Host-Free District	Lombardy poplar prohibition

# APIARY PRODUCTION

CROP	YEAR	COLONIES	PRODUCTION	UNIT	VALUE PER UNIT	TOTAL
Honey	2018	—	8,500	lbs	\$2.12	\$18,000
	2017	—	7,800	lbs	\$2.09	\$16,300
Pollination <sup>20</sup>	2018	3,370	—	colony	\$69.60	\$235,000
	2017	2,490	—	colony	\$65.00	\$162,000
Wax	2018	—	350	lbs	\$4.50	\$1,580
	2017	—	330	lbs	\$4.50	\$1,490
<b>APIARY PRODUCTION TOTAL</b>	<b>2018</b>					<b>\$255,000</b>
	<b>2017</b>					<b>\$180,000</b>

# SEED PRODUCTION

CROP	YEAR	ACREAGE	PRODUCTION PER ACRE	TOTAL	UNIT	VALUE PER UNIT	TOTAL
Bean Seed	2018	509	1.17	596	ton	\$3,240.00	\$1,931,000
	2017	660	1.01	667	ton	\$3,280.00	\$2,188,000
Misc. Seed <sup>21</sup>	2018	984	0.98	964	ton	\$2,960.00	\$2,853,000
	2017	1,080	1.00	1,080	ton	\$2,720.00	\$2,938,000
<b>SEED PRODUCTION TOTAL</b>	<b>2018</b>	<b>1,493</b>					<b>\$4,784,000</b>
	<b>2017</b>	<b>1,740</b>					<b>\$5,126,000</b>

20 Seed Crops Pollination Services

21 Includes: Barley, Broccoli, Cauliflower, Corn, Cucumber, Pea and Sunflower Seeds



# WINE GRAPE PRODUCTION

WHITE GRAPE VARIETIES	HARVESTED ACRES	AVERAGE PRICE PER TON	TOTAL TONS	TOTAL VALUE
Chardonnay	17,006	\$1,290	64,700	\$81,522,000
Pinot Gris	1,263	\$1,210	5,870	\$6,994,000
Sauvignon Blanc	1,028	\$1,200	5,360	\$6,432,000
Gewurztraminer	887	\$673	6,940	\$4,368,000
Riesling	1,523	\$863	4,670	\$4,030,000
Muscat Blanc	159	\$1,190	611	\$727,000
Pinot Blanc	101	\$1,260	544	\$685,000
Malvasia Bianca	116	\$1,130	487	\$550,000
Albarino	34	\$1,440	280	\$403,000
Gruener Veltliner	104	\$1,230	267	\$328,000
Chenin Blanc	127	\$1,280	158	\$202,000
Viognier	112	\$1,710	56	\$95,800
Other Whites <sup>22</sup>	98	\$1,430	178	\$255,000
<b>SUBTOTAL WHITE GRAPE</b>	<b>22,558</b>		<b>90,100</b>	<b>\$108,945,000</b>

RED GRAPE VARIETIES	HARVESTED ACRES	AVERAGE PRICE PER TON	TOTAL TONS	TOTAL VALUE
Pinot Noir	10,118	\$1,880	47,200	\$88,736,000
Cabernet Sauvignon	4,813	\$1,310	17,900	\$23,449,000
Merlot	4,423	\$894	11,900	\$10,639,000
Syrah	1,233	\$1,270	3,930	\$4,991,000
Grenache	314	\$1,290	2,740	\$3,535,000
Malbec	296	\$1,220	2,030	\$2,477,000
Petite Sirah	339	\$1,350	1,390	\$1,877,000
Petit Verdot	199	\$1,390	468	\$651,000
Zinfandel	148	\$1,020	451	\$460,000
Gamay Valdiguie	38	\$1,020	401	\$409,000
Cabernet Franc	116	\$1,270	301	\$382,000
Tannat	35	\$1,280	226	\$289,000
Other Reds <sup>23</sup>	294	\$1,370	670	\$918,000
<b>SUBTOTAL RED GRAPE</b>	<b>22,366</b>		<b>89,600</b>	<b>\$138,813,000</b>

<sup>22</sup> Grenache Blanc, Marsanne, Roussanne, Sauvignon Musque, Semillon, and Vermentino.

<sup>23</sup> Barbera, Carignane, Cinsaut, Dolcetto, Dornfelder, Mouvedre, Primitivo, Sangiovese, Souzao, and Tempranillo.



# **WINE GRAPE TRENDS**

YEAR	NONBEARING ACRES	BEARING ACRES	TOTAL TONS	VALUE
2018	1,137	44,924	180,000	\$247,758,000
2017	896	44,299	171,000	\$239,027,000
2016	1,496	44,771	172,000	\$238,892,000
2015	2,549	44,296	140,300	\$185,925,000
2014	2,512	45,993	200,000	\$247,357,000
2013	1,531	42,986	185,000	\$226,982,000
2012	1,936	45,130	172,000	\$214,306,000
2011	2,006	43,034	124,000	\$140,976,000
2010	2,572	43,321	177,000	\$172,916,000
2009	3,975	40,792	204,000	\$238,082,000
2008	4,006	40,144	201,000	\$238,366,000

**"I SEE THE OPPORTUNITY FOR MORE WOMEN TO GET INVOLVED  
WITH AGRICULTURAL POLICY AND PRESERVE FARMING AND  
GRAZING LAND OF MONTEREY COUNTY BY EDUCATING PEOPLE ON  
WHERE THEIR FOOD COMES FROM."**

*Margaret Duflock*

# ORGANIC PRODUCTION

YEAR	PRODUCERS	ACRES	GROSS SALES
2018	185	68,868	\$412,347,000
2017	222	40,859	\$390,295,000
2016	179	32,947	\$365,199,000
2015	178	30,413	\$335,090,000
2014	158	28,270	\$277,294,000
2013	131	33,381	\$214,437,000
2012	131	22,288	\$182,657,000

## SUMMARY OF PEST DETECTION & EXCLUSION ACTIVITIES

Pest Detection is the systematic search for detrimental pests throughout the county by means of trapping, luring and surveying. The goal is to detect novel pests before they become established so that eradication is biologically and economically feasible. Detection trapping is performed primarily by the County Agricultural Commissioner's offices. Targeted pests include Asian Citrus Psyllid, Glassy Winged Sharp Shooter, Gypsy Moth, and Japanese Beetle.

Pest Exclusion is the process of monitoring the channels of trade through routine inspections and commodity certification to prevent the transport and introduction of economically important pests and pathogens. Phytosanitary

field inspections for seed diseases accounted for 1,274 hours, with a total of 378 inspections being completed on 1,446 acres. Special surveys were made for *Phytophthora ramorum* (Sudden Oak Death) in nurseries. A total of 423 pest exclusion inspections at parcel terminals for incoming plant shipments occurred in 2018, with one rejection issued. Another 528 inspections of incoming plant material were performed for in state and out of state shipments. 1,523 inspections were completed under the Glassy Winged Sharp Shooter Program on incoming nursery stock shipments originating from regulated areas and no viable life stages were detected.

### PEST TRAPPING

TARGET PEST	INSECT HOSTS	TRAPS PLACED	SERVICINGS
Medfly	Fruit Trees	238	3,212
Melon Fruit Fly	Vegetable Gardens	87	810
Mexican Fruit Fly	Fruit Trees	114	2,487
Oriental Fruit Fly	Fruit Trees	238	3,212
Misc. Fruit Fly	Fruits and Vegetables	87	808
Gypsy Moth	Shade Trees	208	921
Japanese Beetle	Turf, Rose	225	1,117
Trogoderma Beetle	High Hazard Commodities	20	240
Light Brown Apple Moth	Ornamental/Commercial Crops	323	2,418
European Grapevine Moth	Grapes	2,646	26,102
Asian Citrus Psyllid - Urban/Commercial	Citrus	462	7,229
Glassy Winged Sharpshooters	Nurseries/Urban Areas	594	7,128
<b>TOTAL TRAPPING PROGRAM ACTIVITIES</b>		<b>5,242</b>	<b>55,684</b>



# EXPORTS BY COMMODITY

COMMODITY	2018 TOTAL POUNDS
Lettuce	128,261,000
Strawberry	121,542,000
Celery	45,599,000
Broccoli	40,738,000
Cauliflower	27,648,000
Raspberry	5,595,000
Carrot	5,648,000
Radicchio	3,262,000
Spinach	3,012,000
Blackberry	2,865,000
Cabbage	2,438,000
Brussels Sprout	1,882,000
Other	10,495,000
<b>TOTAL</b>	<b>398,985,000</b>

COMMODITY	2017 TOTAL POUNDS
Lettuce	172,661,000
Strawberry	88,461,000
Broccoli	41,558,000
Cauliflower	28,014,000
Celery	27,504,000
Raspberry	16,180,000
Blackberry	8,887,000
Broccoli Rabe	7,719,000
Fennel	6,685,000
Radicchio	4,159,000
Carrot	3,140,000
Spinach	2,650,000
Other	16,442,000
<b>TOTAL</b>	<b>424,060,000</b>

# EXPORTS BY TRADE PARTNERS

COUNTRY	2018 TOTAL POUNDS
Canada	169,958,000
Taiwan	78,856,000
Mexico	73,637,000
Japan	37,866,000
Hong Kong	16,320,000
Saudi Arabia	6,106,000
Singapore	4,057,000
European Union	3,282,000
United Arab Emirates	3,088,000
Panama	1,281,000
Puerto Rico	1,209,000
Kuwait	1,075,000
Qatar	594,000

COUNTRY	2017 TOTAL POUNDS
Canada	222,177,000
Taiwan	90,719,000
Mexico	50,845,000
Japan	34,255,000
Puerto Rico	15,809,000
Saudi Arabia	7,195,000
Korea, Republic of	4,197,000
United Arab Emirates	3,362,000
Singapore	2,607,000
European Union	2,228,000
Hong Kong	1,327,000
Kuwait	1,274,000
Panama	813,000



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