



2017 Annual Crop & Livestock Report



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Office of the
Agricultural Commissioner
Sealer of Weights & Measures

Carlos Ortiz
Agricultural Commissioner
Sealer of Weights & Measures

Jolene Dessert
Asst. Agricultural Commissioner
Asst. Sealer of Weights & Measures

July 10, 2018

Karen Ross, Secretary

California Department of Food and Agriculture
and

The Honorable Board of Supervisors, County of Imperial

Supervisor Raymond "Ray" Castillo, Chairman, District 5
Supervisor John R. Renison, District 1
Supervisor Luis A. Plancarte, District 2
Supervisor Michael W. Kelley, District 3
Supervisor Ryan E. Kelley, District 4

I am pleased to present the 2017 Imperial County Agricultural Crop and Livestock Report in accordance with the requirements of Section 2279 of the California Food and Agricultural Code. This report summarizes the estimated acreage, yield, and gross value of Imperial County's agricultural production for the 2017 calendar year. Also included is a report on sustainable agriculture pursuant to Section 2272 of the California Food and Agricultural Code.

The values presented in this report represent the gross value for products and do not reflect the cost of production, marketing, storage, or transportation. No attempt is made to reflect the net income, profit, or loss to producers.

Gross production for 2017 was valued at \$2,065,600,000. This is an increase of \$2,386,000 (0.12%) compared to the 2016 gross value of \$2,063,214,000. The increase was mainly due to an increase in some winter vegetable prices. Cabbage, cauliflower and particularly leaf lettuce had much higher prices. The miscellaneous certified and non-certified seed category also saw an increase in harvested acres.

Cattle ranked as our #1 commodity with a gross value of \$387,170,000 despite a decrease of 3.36% from 2016. This was due to a 5% decrease in market price. Leaf Lettuce moved from #3 in 2016 to #2 and Head Lettuce from #6 in 2016 to #4 in 2017 mainly due to better market prices. Sugar beets moved from #12 in 2016 to #10 in 2017.

In 2017, there was a decrease of 2,792 total harvested acres, down 0.52% from 2016. Although the Field, Vegetable & Melon Crop categories saw a decrease in harvested acres, a significant increase in harvested acres occurred in the Fruit and Nut Crops and Seed and Nursery Products categories. Sudan showed the largest increase in harvested acres, up 11.7% with an increase of 5,064 acres.

Thank you to all the growers, processors, industry groups, and agencies who provided the information and statistics for this report; your help in this effort is truly appreciated. In addition, I would like to express my appreciation to all of the members of my staff for their continued hard work and dedication and particularly to Sandra Mendivil, Special Projects Coordinator, for her work in compiling this annual report.

Sincerely,

A handwritten signature in blue ink that reads "Carlos Ortiz".

Carlos Ortiz
Agricultural Commissioner
Sealer of Weights and Measures

*Not Pictured

Cover Photo by Joseph Andreotti

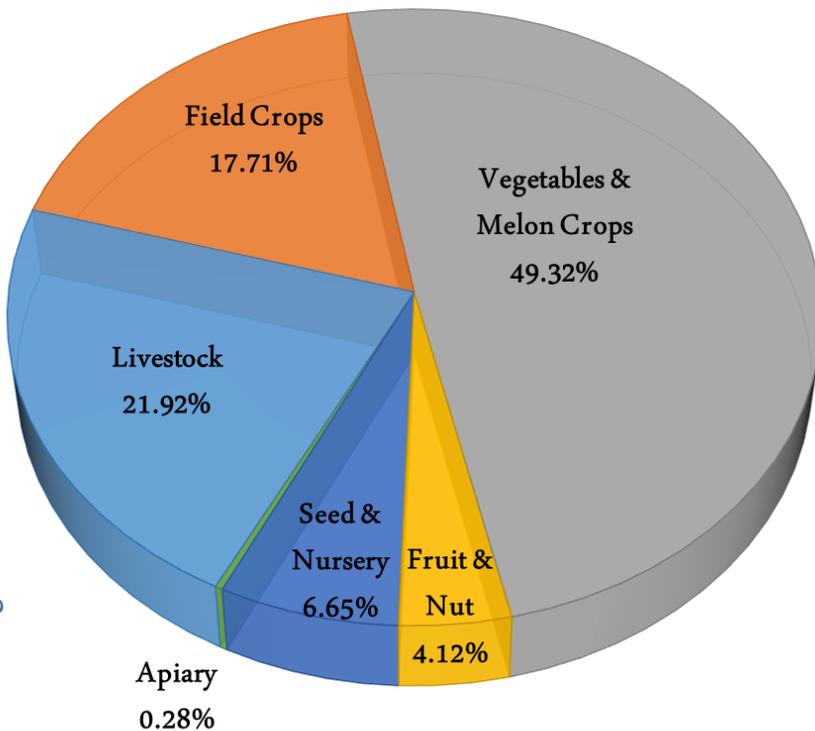


2017 Production Summary

Category	Harvested Acres		Changes in Harvested Acres	Gross Value		Changes in Gross Value
	2016	2017		2016	2017	
Livestock				\$468,176,000	\$452,708,000	-3.30%
Field Crops	333,762	326,667	-2.13%	\$381,181,000	\$365,819,000	-4.03%
Vegetable & Melon Crops	133,593	128,769	-3.61%	\$1,006,345,000	\$1,018,764,000	1.23%
Fruit & Nut Crops	9,443	10,209	8.11%	\$80,098,000	\$85,186,000	6.35%
Seed & Nursery Crops	65,266	73,627	12.81%	\$123,057,000	\$137,286,000	11.56%
Apiary Products				\$4,357,000	\$5,837,000	33.97%
Total	542,063	539,272	-0.52%	\$2,063,214,000	\$2,065,600,000	0.12%

Total harvested acres include multiple cropping on individual fields throughout the year.

Crop Grouping Values



Top 10 Commodities

Rank 2017	Commodity	2017 Gross Value	Rank 2016
1	Cattle	\$387,170,000	1
2	Leaf Lettuce	\$217,717,000	3
3	Alfalfa	\$148,879,000	2
4	Head Lettuce	\$116,612,000	6
5	Broccoli	\$94,806,000	5
6	Spinach	\$84,450,000	7
7	Onion	\$79,069,000	4
8	Alfalfa Seed	\$75,433,000	8
9	Carrots	\$55,029,000	10
10	Sugar Beets	\$53,599,000	12

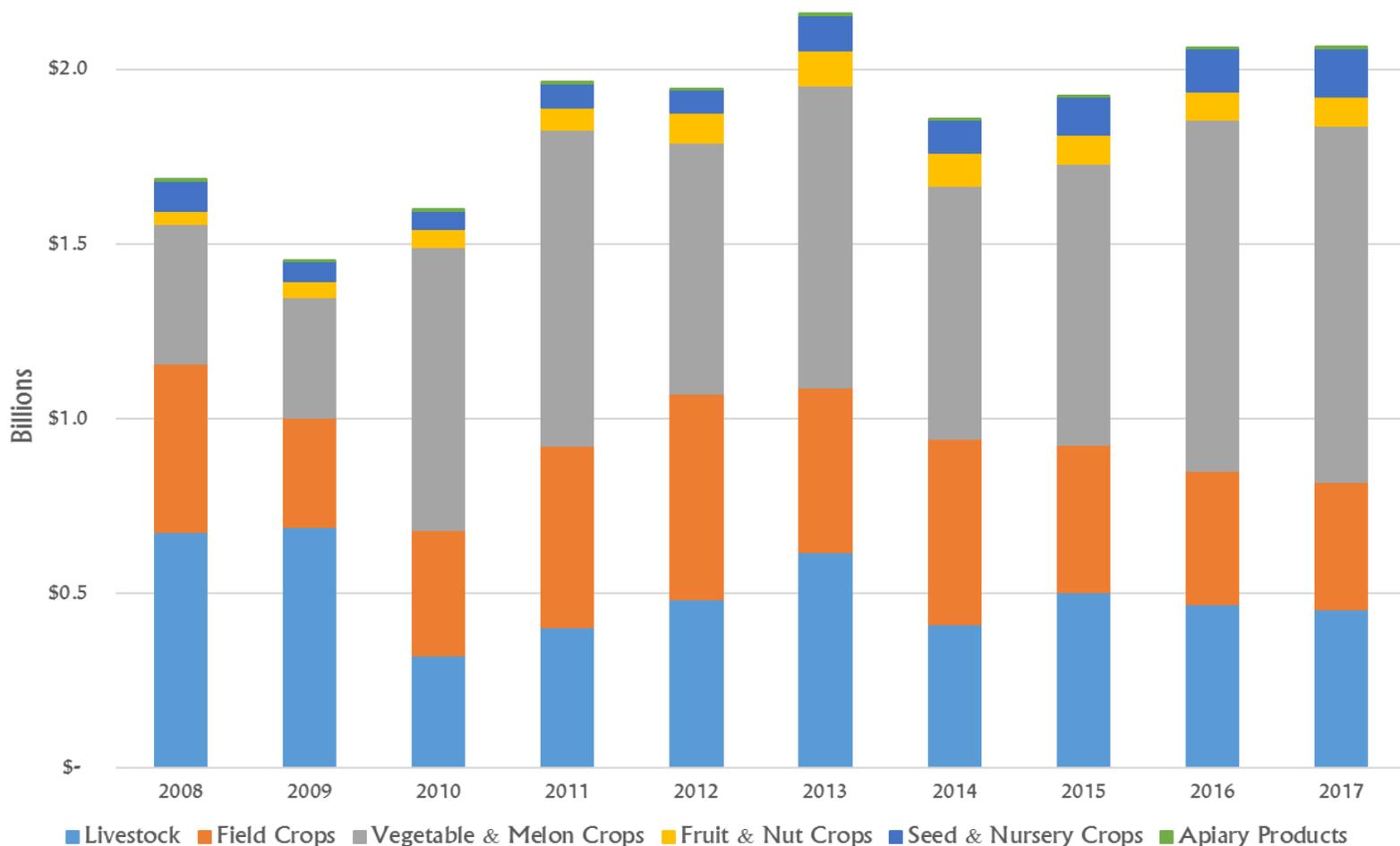
Agricultural Production Areas

Imperial County has three areas of production: Imperial Valley, Bard/Winterhaven & Palo Verde

2017 Total County Farmable Acres

Imperial County	455,461
Bard/Winterhaven	14,673
Palo Verde	7,728
Total	477,862

Comparison of Valuation of Major Groups During the Past Ten Years



Year	Livestock	Field Crops	Vegetable & Melon	Fruit & Nut Crops	Seed & Nursery	Apiary Products
2017	\$452,708,000	\$365,819,000	\$1,018,764,000	\$85,186,000	\$137,286,000	\$5,837,000
2016	\$468,176,000	\$381,181,000	\$1,006,345,000	\$80,098,000	\$123,057,000	\$4,357,000
2015	\$502,065,000	\$422,319,000	\$805,021,000	\$83,277,000	\$107,673,000	\$4,779,000
2014	\$410,512,000	\$530,849,000	\$723,260,000	\$95,909,000	\$93,818,000	\$4,441,000
2013	\$617,371,000	\$470,461,000	\$865,401,000	\$100,019,000	\$100,557,000	\$4,708,000
2012	\$483,833,000	\$587,977,000	\$718,219,000	\$85,154,000	\$67,432,000	\$3,144,000
2011	\$403,880,000	\$518,257,000	\$903,959,000	\$64,237,000	\$68,877,000	\$4,877,000
2010	\$321,022,000	\$360,139,000	\$809,126,000	\$51,294,000	\$52,952,000	\$4,001,000
2009	\$690,311,000	\$312,544,000	\$343,201,000	\$47,765,000	\$55,577,000	\$3,562,000
2008	\$675,242,000	\$482,588,000	\$398,789,000	\$37,342,000	\$86,789,000	\$3,772,000

California Agricultural Statistics—2016

California Agricultural Statistics are compiled annually from County Agricultural Commissioner Crop Reports

- ❖ In 2016, Imperial County ranked #9 out of 58 California Counties with a gross value of agricultural production at \$2,063,214,000.
- ❖ According to the 2016-2017 review of the 2016 Ag Statistics by CDFA, Imperial County was the sole producer of sugar beets; #1 producer of alfalfa hay, onions, wheat, sweet corn, alfalfa seed, and Sudan hay; and among the top five producers of cattle and calves, lettuce, broccoli, carrots, celery, cauliflower, spinach, potatoes, cantaloupes, watermelon, sheep and lambs, salad greens, grapefruit, dates and honeydew melons.
- ❖ In 2016, California remained the leading state in cash farm receipts with the leading crops being fruits, nuts and vegetables.



Livestock

Item	Year	Production			Unit	Value	
		Head	Unit Gain	Total Gain		Per Unit	Gross Value
Cattle (Feedlot)	2017	344,937	10.05	3,467,192	Cwt	\$111.67	\$387,170,000
	2016	337,286	10.06	3,394,630	Cwt	\$118.01	\$400,614,000
Sheep (Feeders)	2017	60,000	0.53	31,620	Cwt	\$136.05	\$4,302,000
	2016	62,000	0.54	33,700	Cwt	\$136.11	\$4,587,000
Sheep (Wool)	2017	60,000	4.60	276,000	Lbs.	\$1.26	\$347,000
	2016	62,000	6.60	409,200	Lbs.	\$1.50	\$614,000
Aquatic Products (Fish & Algae)	2017						\$10,494,000
	2016						\$12,298,000
Misc. Livestock	2017						\$50,395,000
	2016						\$50,063,000
Total 2017						Value	\$452,708,000
Total 2016						Value	\$468,176,000

Misc. Livestock may include: Calves, Replacement Cattle, Dairy Animals, Milk, Manure/Compost, California Mid-Winter Fair & Fiesta Show Animals.
Cwt = 100 Pounds



Apiary Products

Crop	Year	Production			Unit	Value	
		Hives	Yield Per Hive	Total Units		Per Unit	Gross Value
Honey	2017	26,176	10.18	266,404	Lbs.	\$1.88	\$500,000
	2016	17,312	16.13	279,193	Lbs.	\$1.63	\$456,000
Wax	2017	8,200	0.76	6,259	Lbs.	\$3.55	\$22,000
	2016	14,150	1.69	23,900	Lbs.	\$3.81	\$91,000
Pollination	2017	86,520			Colony	\$61.43	\$5,315,000
	2016	62,591			Colony	\$60.87	\$3,810,000
Total for 2017						Value	\$5,837,000
Total for 2016						Value	\$4,357,000

Field Crops

Crop	Year	Production			Unit	Value	
		Harvested Acres	Yield Per Acre	Total		Per Unit	Gross Value
Alfalfa Hay	2017	151,620	6.06	918,768	Ton	\$162.04	\$148,879,000
	2016	154,861	7.19	1,114,002	Ton	\$133.68	\$148,915,000
Bermuda Grass Hay	2017	52,101	6.50	338,825	Ton	\$149.43	\$50,632,000
	2016	50,704	7.89	399,959	Ton	\$135.28	\$54,107,000
Cotton (Lint) ^{1/}	2017	3,109	4.32	13,432	Bale	\$397.75	\$5,343,000
	2016	2,004	3.90	7,817	Bale	\$356.79	\$2,789,000
Cotton (Seed)	2017			4,653	Ton	\$181.20	\$843,000
	2016			2,722	Ton	\$155.39	\$423,000
Klein Grass Hay	2017	14,510	8.45	122,624	Ton	\$169.00	\$20,723,000
	2016	14,590	10.00	145,900	Ton	\$164.94	\$24,065,000
Pastured Crops ^{2/}	2017	38,509			Acre	\$34.12	\$1,314,000
	2016	36,834			Acre	\$36.87	\$1,358,000
Straw (Baled)	2017			140,151	Ton	\$36.65	\$5,136,000
	2016			104,512	Ton	\$37.35	\$3,904,000
Sudan Grass Hay	2017	48,331	5.62	271,637	Ton	\$175.88	\$47,776,000
	2016	43,267	5.66	244,805	Ton	\$150.00	\$36,721,000
Sugar Beets	2017	24,929	45.07	1,123,667	Ton	\$47.70	\$53,599,000
	2016	24,634	44.75	1,102,333	Ton	\$46.93	\$51,732,000
Wheat	2017	23,441	3.21	75,324	Ton	\$223.90	\$16,865,000
	2016	33,685	3.21	108,129	Ton	\$287.12	\$31,046,000
Misc. Field Crops	2017	8,626					\$14,709,000
	2016	10,017					\$26,121,000
Total 2017	Acres	326,667				Value	\$365,819,000
Total 2016	Acres	333,762				Value	\$381,181,000

Misc. Field Crops may include: Barley, Field Corn, Mixed Grasses, Oat, Ryegrass, Safflower, Sesbania, Sorghum Grain, Sorghum Silage, Sugar Beet Pulp, Sugar Beet Molasses, Sugarcane, Triticale

^{1/}Cotton Bales = 500 Pounds

^{2/}Pastured Crops are pastured once and the acreage is not included in the total and may include: Alfalfa, Bermuda Grass, Permanent Pasture





Fruit & Nut Crops

Crop	Year	Production			Unit	Value	
		Harvested Acres	Yield Per Acre	Total		Per Unit	Gross Value
Dates	2017	2,629	3.45	9,080	Ton	\$2,831.33	\$25,712,000
	2016	2,136	2.75	5,878	Ton	\$3,243.90	\$19,069,000
Grapefruit	2017	770	10.64	8,190	Ton	\$560.42	\$4,590,000
	2016	818	12.89	10,540	Ton	\$413.64	\$4,360,000
Lemons	2017	4,419	11.42	50,444	Ton	\$865.00	\$43,634,000
	2016	4,413	11.97	52,805	Ton	\$859.07	\$45,363,000
Tangelos	2017	579	4.63	2,680	Ton	\$498.00	\$1,335,000
	2016	520	3.66	1,906	Ton	\$621.06	\$1,184,000
Tangerines	2017	563	5.67	3,190	Ton	\$938.25	\$2,993,000
	2016	510	5.31	2,710	Ton	\$673.68	\$1,826,000
Misc. Citrus, Fruit & Nut Crops	2017	1,249					\$5,941,000
	2016	1,046					\$4,443,000
Citrus By-Products	2017						\$981,000
	2016						\$3,853,000
Total 2017	Acres	10,209				Value	\$85,186,000
Total 2016	Acres	9,443				Value	\$80,098,000

Misc. Fruit & Nut Crops may include: Orange, Grape, Lime, Mango, Olives, Kumquat



Seed Crops & Nursery Products



Crop	Year	Production			Unit	Value Per Unit	Gross Value
		Harvested Acres	Yield Per Acre	Total			
Alfalfa Seed							
Non-Certified	2017	9,299	677.53	6,300,306	Lbs.	\$2.26	\$14,239,000
	2016	10,479	584.37	6,123,618	Lbs.	\$2.53	\$15,480,000
Certified	2017	35,088	542.77	19,044,550	Lbs.	\$3.21	\$61,194,000
	2016	30,670	667.27	20,465,255	Lbs.	\$3.39	\$69,431,000
Total Alfalfa Seed	2017	44,387	571.00	25,344,856	Lbs.	\$2.98	\$75,433,000
	2016	41,149	646.16	26,588,873	Lbs.	\$3.19	\$84,911,000
Bermuda Grass Seed							
Non-Certified	2017	17,616	245.00	4,315,920	Lbs.	\$4.97	\$21,445,000
	2016	17,085	270.00	4,612,950	Lbs.	\$3.00	\$13,839,000
Certified	2017	3,204	277.38	888,734	Lbs.	\$5.05	\$4,485,000
	2016	3,675	481.04	1,767,840	Lbs.	\$3.50	\$6,188,000
Total Bermuda Grass Seed	2017	20,820	249.98	5,204,654	Lbs.	\$4.98	\$25,930,000
	2016	20,760	307.36	6,380,790	Lbs.	\$3.14	\$20,027,000
Onion Seed	2017	697	347.71	242,351	Lbs.	\$7.27	\$1,762,000
	2016	684	220.83	151,050	Lbs.	\$9.43	\$1,424,000
Misc. Seed & Nursery							
Misc. Non-Certified Seed	2017	3,660					\$20,789,000
	2016	1,108					\$10,088,000
Misc. Certified Seed	2017	3,448					\$5,690,000
	2016	972					\$533,000
Misc. Nursery Products	2017	615					\$7,682,000
	2016	593					\$6,074,000
Total 2017	Acres	73,627				Value	\$137,286,000
Total 2016	Acres	65,266				Value	\$123,057,000

Misc. Seed and Nursery Products may include: Sunflower Seed, Broccoli Seed, Celery Seed, Wheat Seed, Coriander Seed, Fennel Seed, Artichoke Seed, Rapeseed, Parsley Seed, Mustard Seed, Swiss Chard Seed, Carrot Seed, Cut Flowers, Aloe Vera, Palm Trees, Vegetable Transplants





Vegetables & Melon Crops

Crop	Year	Production				Value		Gross Value
		Harvested Acres	Yield Per Acre	Total Units	Unit	Per Unit		
Broccoli (Market)	2017	13,785	442.11	6,094,475	26 Lbs. Ctn	\$15.56	\$94,806,000	
	2016	14,579	472	6,885,855	26 Lbs. Ctn	\$17.51	\$120,562,000	
Cabbage (Market)	2017	1,949	642.65	1,252,524	45 Lbs. Ctn	\$21.62	\$27,079,000	
	2016	1,653	777	1,283,903	45 Lbs. Ctn	\$11.48	\$14,733,000	
Carrots								
Market	2017	4,940	975.76	4,820,247	50 Lbs. Bag	\$2.75	\$13,264,000	
	2016	4,642	706	3,277,906	50 Lbs. Bag	\$3.29	\$10,780,000	
Processing & Other	2017	11,525	31.64	364,677	Ton	\$114.53	\$41,765,000	
	2016	10,830	29.07	314,873	Ton	\$162.79	\$51,258,000	
Total Carrots	2017	16,465					\$55,029,000	
	2016	15,472					\$62,038,000	
Cauliflower (Market)	2017	4,794	740.75	3,551,135	23 Lbs. Ctn	\$12.91	\$45,858,000	
	2016	4,428	787	3,484,515	23 Lbs. Ctn	\$10.35	\$36,053,000	
Head Lettuce								
Naked Pack	2017			2,221,335	50 Lbs. Ctn	\$9.71	\$21,558,000	
	2016			2,466,093	50 Lbs. Ctn	\$8.50	\$20,962,000	
Wrap Pack	2017			5,553,338	40 Lbs. Ctn	\$9.35	\$51,938,000	
	2016			7,398,278	40 Lbs. Ctn	\$8.75	\$64,735,000	
Bulk	2017			4,442,671	50 Lbs. Ctn	\$9.71	\$43,116,000	
	2016			3,945,748	50 Lbs. Ctn	\$8.50	\$33,539,000	
Total Head Lettuce	2017	17,115		12,217,344	Ctn	\$9.54	\$116,612,000	
	2016	18,031		13,810,119	Ctn	\$8.63	\$119,236,000	
Leaf Lettuce	2017	15,440	645.33	9,963,947	35 Lbs. Ctn	\$21.85	\$217,717,000	
	2016	14,310	560	8,013,191	35 Lbs. Ctn	\$16.62	\$133,212,000	
Spring Mix	2017	2,557	11,912.67	30,460,689	Lbs.	\$0.56	\$17,004,000	
	2016	2,973	11,381	33,835,713	Lbs.	\$0.83	\$28,013,000	

Spring Mix may include: Green, Red and Baby Leaf Lettuce; Beet Tops, Mizuna, Mustard



Vegetables & Melon Crops

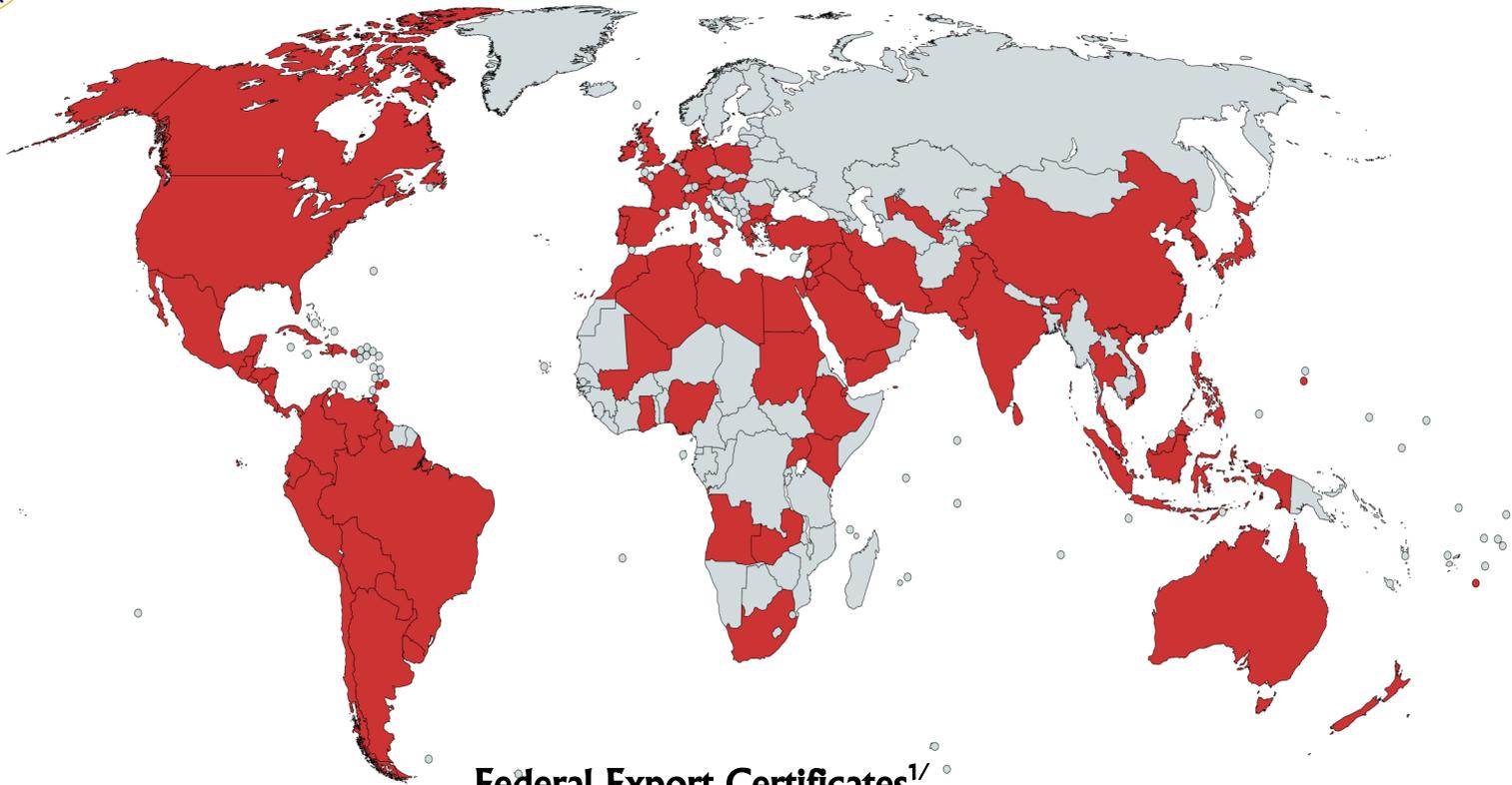
Crop	Year	Production				Unit	Value Per Unit	Gross Value
		Harvested Acres	Yield Per Acre	Total Units				
Onions								
Market	2017	4,153	1,668.75	6,930,319	50 Lbs. Sack	\$7.77	\$53,829,000	
	2016	3,924	1,702	6,678,648	50 Lbs. Sack	\$9.19	\$61,396,000	
Processor	2017	8,934	18.53	165,547	Ton	\$152.46	\$25,240,000	
	2016	9,813	24.41	239,569	Ton	\$280.00	\$67,080,000	
Total Onions	2017	13,087					\$79,069,000	
	2016	13,737					\$128,476,000	
Potatoes	2017	1,589	491.33	780,721	Cwt	\$17.99	\$14,044,000	
	2016	2,243	367	822,732	Cwt	\$26.19	\$21,544,000	
Spinach	2017	9,619	11,160.38	107,351,678	Lbs.	\$0.79	\$84,450,000	
	2016	10,165	10,246	104,145,699	Lbs.	\$0.93	\$96,508,000	
Sweet Corn	2017	7,300	331.52	2,420,096	50 Lbs. Ctn	\$16.01	\$38,754,000	
	2016	7,407	445	3,296,115	50 Lbs. Ctn	\$12.50	\$41,201,000	
Romaine Lettuce	2017	7,867	419.73	3,301,985	35 Lbs. Ctn	\$14.68	\$48,480,000	
	2016	8,122	589	4,787,842	35 Lbs. Ctn	\$14.66	\$70,196,000	
Misc. Vegetables	2017	10,349					\$134,702,000	
	2016	13,349					\$96,907,000	
Cantaloupes	2017	4,790	536.12	2,568,015	40 Lbs. Ctn	\$9.25	\$23,762,000	
	2016	5,068	620	3,142,582	40 Lbs. Ctn	\$6.93	\$21,789,000	
Honeydew & Misc. Melons	2017	1,035	691.49	715,694	40 Lbs. Ctn	\$13.93	\$9,972,000	
	2016	1,283	691	886,553	40 Lbs. Ctn	\$9.34	\$8,280,000	
Watermelons	2017	1,028	29.25	30,069	Ton	\$380.00	\$11,426,000	
	2016	773	27	20,871	Ton	\$364.00	\$7,597,000	
Total 2017	Acres	128,769				Value	\$1,018,764,000	
Total 2016	Acres	133,593				Value	\$1,006,345,000	

Misc. Vegetables may include: Artichoke, Arugula, Asparagus, Bok Choy, Brussels Sprouts, Celery, Chinese Cabbage, Cilantro, Collards, Cucumbers, Dill, Endive, Fennel, Herbs, Kale, Mint, Mizuna, Mustard, Napa Cabbage, Okra, Oregano, Parsley, Parsnip, Pepper, Radish, Rapini, Red Beets, Rosemary, Squash, Sweet Basil, Swiss Chard





2017 Export Commodities^{1/}:



Federal Export Certificates^{1/}

19,264 federal certificates issued to 90 countries

93.6% of the certificates issued to 7 countries

Percentage of Certificates Issued per Country			
Japan	37.1%	Canada	4.1%
Mexico	34.9%	Taiwan	1.9%
Korea	9.9%	United Arab Emirates	1.3%
China	4.4%	Other	6.4%

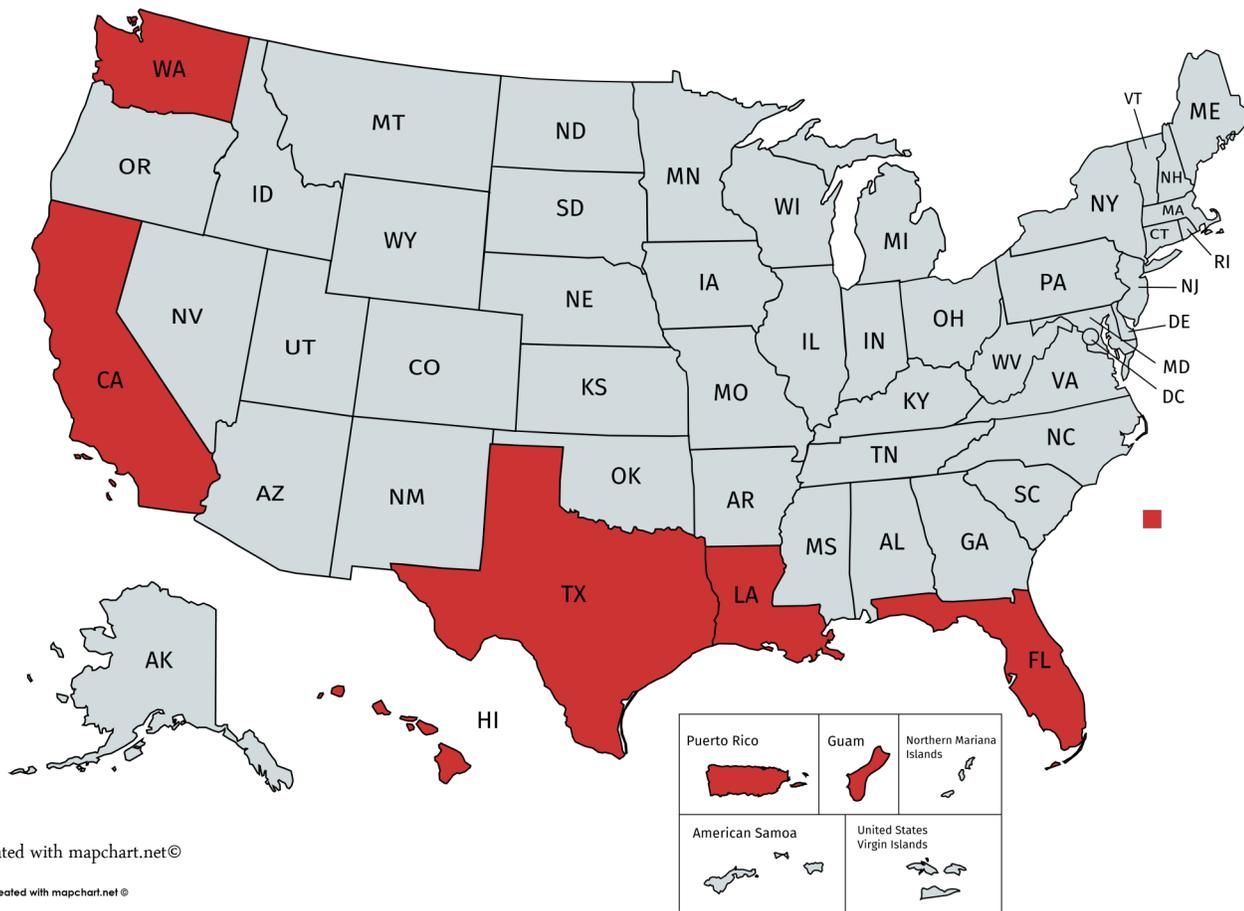
Commodities Exported ^{2/}	
Hay & Straw	42.8%
Vegetables	32.8%
Other	13.0%
Seeds	11.4%

Countries											
Japan	7149	Colombia	34	Egypt	15	Honduras	9	French Polynesia	4	Angola	1
Mexico	6736	France	32	Kenya	15	Portugal	9	Nigeria	4	Austria	1
Republic of Korea	1862	Pakistan	32	Spain	15	Costa Rica	8	Paraguay	4	Bahrain	1
China	858	Haiti	31	Bolivia	13	Iraq	8	Venezuela	4	Barbados	1
Canada	783	Italy	31	Guatemala	13	Trinidad & Tobago	8	Syria	3	El Salvador	1
Taiwan	360	Argentina	27	Nicaragua	13	Lebanon	7	North Korea	3	Ethiopia	1
United Arab Emirates	249	Netherlands	27	Yemen	13	Sudan	7	United States	3	Hungary	1
Saudi Arabia	118	Brazil	24	United Kingdom	12	Thailand	7	Belize	2	Ireland	1
Peru	100	Kuwait	23	Indonesia	10	Ghana	6	Bulgaria	2	Mali	1
Australia	72	Singapore	22	Israel	10	Malaysia	6	Denmark	2	Qatar	1
Jordan	62	Iran	21	New Zealand	10	Morocco	6	Djibouti	2	St. Vincent & Grenadines	1
Chile	49	Sri Lanka	18	Panama	10	Uruguay	6	Greece	2	Tonga	1
Hong Kong	43	South Africa	17	Philippines	10	Germany	5	Guyana	2	Tunisia	1
Vietnam	39	India	16	Turkey	10	Algeria	4	Poland	2	Uganda	1
Ecuador	35	Libya	16	Dominican Republic	9	Cuba	4	Uzbekistan	2	Zambia	1

^{1/} Based on USDA Phytosanitary Certification Program

^{2/} Not all commodities originated in Imperial County

A Closer Look At Our Trading Partners



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State Export Certificates^{1/}

880 state certificates issued to 8 states and territories

93.2% of the certificates issued to 2 states

States or Territories			
Hawaii	600	Texas	13
Florida	220	Puerto Rico	5
Washington	21	Louisiana	5
California	14	Guam	2

Commodities Exported ^{2/}	
Vegetables	86.1%
Nursery	12.2%
Seeds	0.9%
Hay & Straw	0.8%

NOTE: Not all U.S. Produce shipments require a phytosanitary certificate

California and the Global Market Place

According to the 2016-2017 California Agricultural Statistics Review^{1/}, California leads the country as the largest agricultural producer and exporter.

- ❖ California exported approximately 26% of its agricultural production by volume. This translates to \$20.04 billion in value.
- ❖ California is the sole exporter of many agricultural commodities supplying 99% or more of the following:

- ◆ almonds
- ◆ artichokes
- ◆ dates
- ◆ dried plums
- ◆ figs
- ◆ garlic
- ◆ kiwifruit
- ◆ olives and olive oil
- ◆ pistachios
- ◆ raisins
- ◆ table grapes
- ◆ walnuts

California's Top 10 Agricultural Export Markets

Rank	Country
1	European Union
2	Canada
3	China/Honk Kong
4	Japan
5	Mexico
6	Korea
7	India
8	Turkey
9	United Arab Emirates
10	Vietnam

^{1/} <https://www.cdfa.ca.gov/statistics/>



Sustainable Agriculture

Pest Detection & Eradication

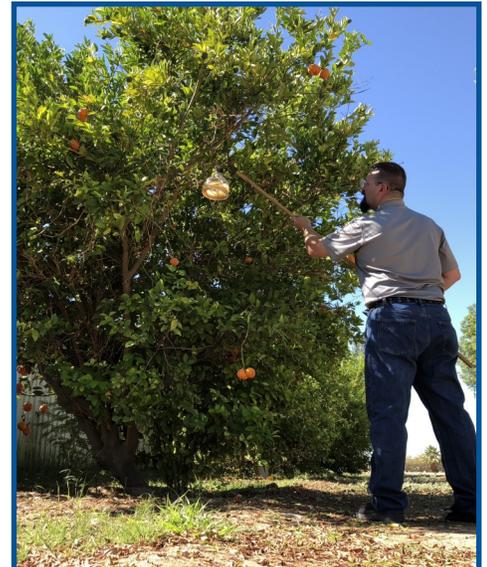
This division is mandated to monitor agricultural and urban areas for harmful exotic pests in order to protect the local agricultural industry environment, the public and urban landscaping. This is largely accomplished through trapping, visual surveys, and the inspection of incoming nursery stock. This division also provides field inspection services for seed exporters where inspection of the mother plant is required and provides pest identification services.

Pest Detection Trapping

Target Pest	Pest Detection Method	Number of Traps	Annual Trap Services	Host Crops
European Corn Borer	Pheromone	12	108	Corn & Sorghum
Various Exotic Fruit Flies	Feeding Attractant	110	1,100	Fruit Trees & Vegetables
Glassy-winged Sharpshooter	Yellow Sticky Trap	486	7,660	Crops & Ornamentals
Gypsy Moth	Pheromone	60	419	Shade Trees
Japanese Beetle	Pheromone	60	416	Turf & Flowers
Khapra Beetle	Feeding Attractant/Pheromone	36	426	Stored Food Products
Mediterranean Fruit Fly	Pheromone	121	4,496	Fruit Trees
Melon Fruit Fly	Pheromone	121	4,493	Vegetables
Mexican Fruit Fly	Feeding Attractant	121	4,500	Fruit Trees
Oriental Fruit Fly	Pheromone	121	4,494	Fruit Trees

Pest Detection Survey

Target Pest/Survey Sites	Area Surveyed	Inspections & Finds	Actions
Asian Citrus Psyllid/Huanglongbing	Residential citrus trees within 2 miles of the international border	700 sites surveyed: 1060 plant samples, 12 insect samples	No action needed
Glassy-winged Sharpshooter	Retail nursery stock shipments	1,277 Inspections; No finds 22 Rejections not due to finds	No action needed Return to origin
	Bulk citrus fruit	136 Inspections; No finds	No action needed
Karnal Bunt/Wheat	10 Fields	No Finds	No action needed
Noxious Weeds/Ag & Urban	772.5 Total Miles	18 Total positive sites:	
Puncture Vine, C-rated		18 Positive sites	10 Sites mechanical removal
Pathogens of concern for seed export	Seed fields	471 Fields surveyed (by request only)	236 Target pests of concern (listed on certificate)
Red Imported Fire Ant	17 High risk sites	No finds	No action needed





Sustainable Agriculture

Pest Exclusion & Quarantine

This division is mandated to exclude exotic agricultural, urban, and environmental pests and to prevent movement of newly discovered pests within the state. This is accomplished through inspection of incoming agricultural products and enforcement of quarantines that prohibit or restrict the movement of plants, seeds and other items capable of harboring harmful pests. In addition, certificates of quarantine compliance and phytosanitary certificates are issued for commodities originating here, in order to assist growers in moving their products to other counties, states or countries.

Plant Quarantine

Pest Exclusion Inspection ~ Shipments Entering Imperial County

Type of Inspection	Inspections	Pounds	Origin
Field & Vegetable Seed	943	16,738,128	Arizona, Idaho, Montana, Ohio, Washington
Plants	186	-	Arizona, Canada, Florida, Michigan, Mississippi, North Carolina, Oregon, Pennsylvania, Texas, Virginia
	115	-	California
Bees	3	-	Arizona, Montana

Nursery & Seed Inspection

The goal of the nursery inspection program is to prevent the introduction and spread of agricultural pests through nursery stock and to protect agriculture and the consumer against economic losses resulting from the sale of inferior, defective, or pest-infested nursery stock. The seed law enforcement program protects seed consumers by regulation of the marketing of seed, inspection of seed grown or sold locally, verification of purity and germination, investigation of seed complaints, and prevention of the spread of noxious weed seeds through seed products. Also included in this program is the California Certified Seed Program in which superior varieties of seed are grown, processed and distributed under close supervision.

Nursery Inspections

Type of Inspection	Locations	Production Areas	Nursery Stock Type
Production Nursery	24	896	Ornamental trees and shrubs, palms, succulents, cut flowers, vegetable transplants
Retail Nursery	1	-	Fruit trees and shrubs, succulents and cacti, annual and cut flowers

California Crop Improvement Association Inspections & Certification

Type of Inspection	Inspections
Harvest Equipment	73

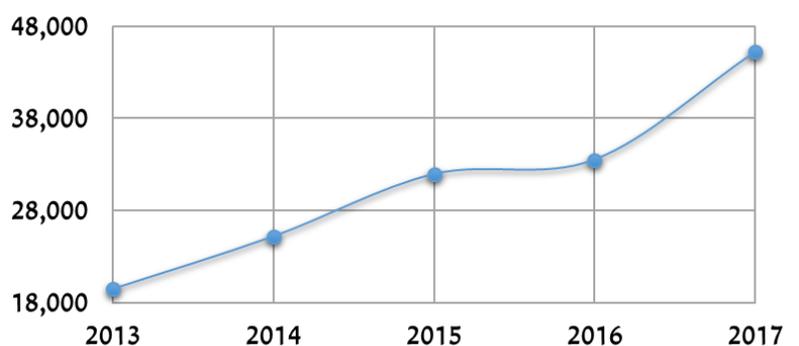
Seed Transfer Certification	Inspections
In-state	19
Out of state	64

Organic Grower Program

The Organic Program is responsible for enforcement of the federal Organic Foods Production Act of 1990 and the California Organic Products Act of 2003. These statutes protect consumers, producers, handlers, processors and retailers by monitoring and inspecting fresh commodities grown, labeled or sold as organic.

Year	Growers	Acres
2017	55	45,216
2016	48	33,505
2015	36	31,935
2014	28	25,156
2013	26	19,433

Organic Acreage Production 5 Year Comparison





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