

RIVERSIDE COUNTY

AGRICULTURAL PRODUCTION REPORT

2018



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RIVERSIDE COUNTY AGRICULTURAL COMMISSIONER'S OFFICE

RUBEN J. ARROYO
AGRICULTURAL COMMISSIONER
SEALER OF WEIGHTS AND MEASURES

Karen Ross, Secretary
California Department of Food and Agriculture
and

The Honorable Board of Supervisors of Riverside County
Kevin Jeffries, Chairman, District 1
Karen Spiegel, District 2
Chuck Washington, District 3
V. Manuel Perez, District 4
Jeff Hewitt, District 5



It is my privilege to submit the 2018 Riverside County Agricultural Production Report. This report is produced in accordance with Section 2279 of the California Food and Agricultural Code, and summarizes the acreage, production and valuation of our County's agricultural commodities.

The gross value of all agricultural crops produced during 2018 in Riverside County is **\$1,299,208,000**. This total represents an increase of \$76 million (6.3%) from last year's total value. The largest increase (11.9%) was seen in vegetable production followed by tree & vine crops (9.1%) while field and seed crops saw a 6.0% drop in value. Increased acreage devoted to the production of celery nearly doubled the value of this commodity in 2018. The drop in wheat and alfalfa production acreage marked the decline in the overall value of field and seed crops.

Using historical economic values, the total agricultural contribution to Riverside County's economy is approximately \$3.9 billion.

This report is our yearly opportunity to recognize the growers, shippers, ranchers and other businesses instrumental to and supportive of agriculture in Riverside County. As such, I would like to extend my thanks and appreciation to the industry for their continued efforts in providing the vital information that enables the compilation of this report. Special recognition goes to the Agricultural Commissioner's staff for their efforts in the production of this year's report.

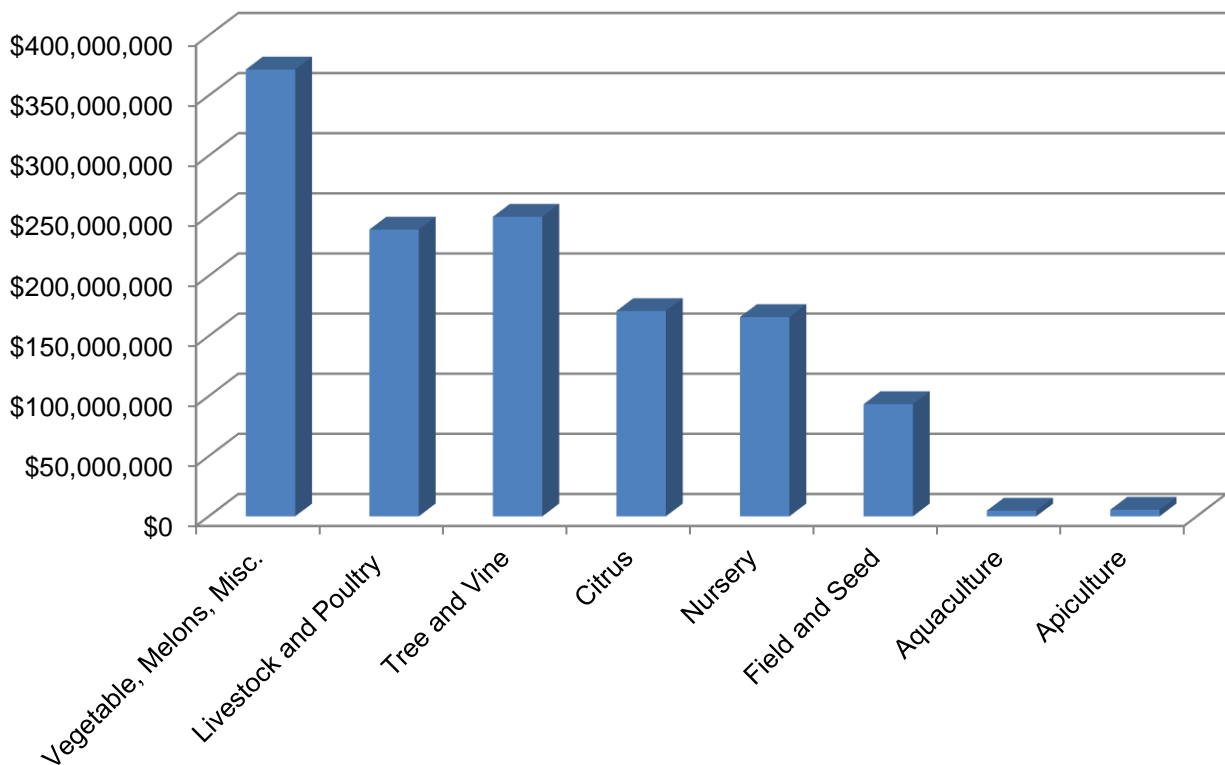
Respectfully submitted,

Ruben J. Arroyo
Agricultural Commissioner
Sealer of Weights and Measures

FIVE YEAR COMPARISON

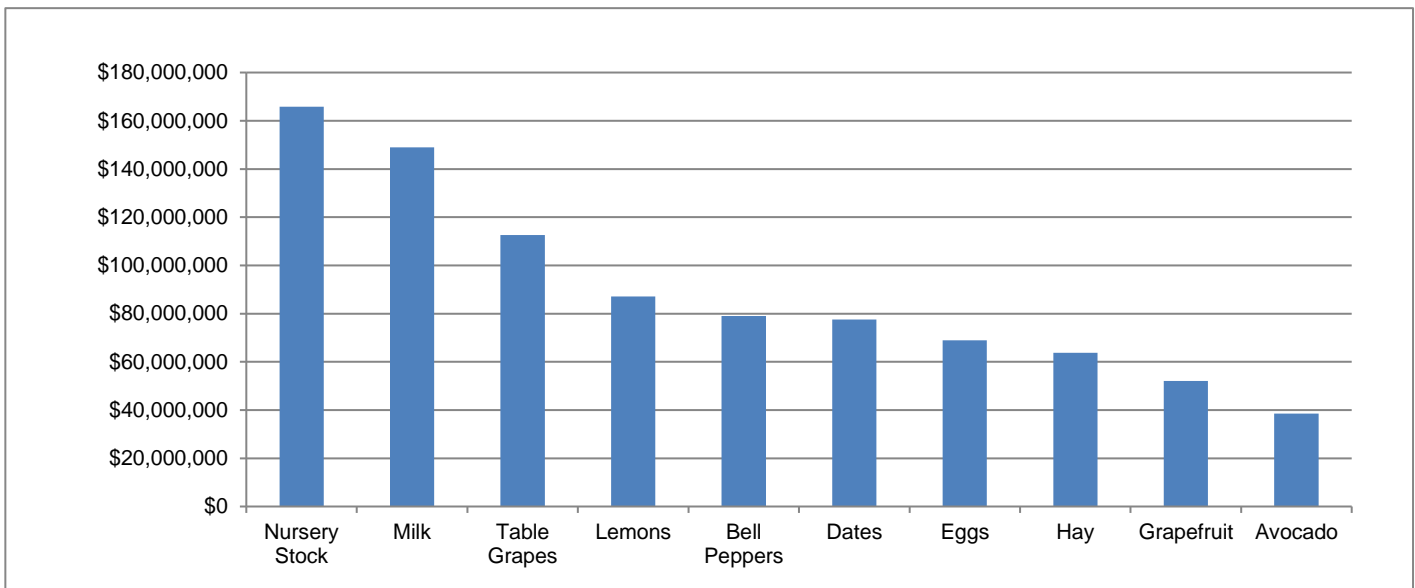
Commodity Group	2014	2015	2016	2017	2018
Citrus	\$170,891,000	\$187,673,000	\$200,101,000	\$177,055,000	\$170,775,000
Tree and Vine	\$223,593,000	\$234,928,000	\$227,444,000	\$228,315,000	\$249,150,000
Vegetable, Melons, Misc.	\$337,404,000	\$327,199,000	\$365,157,000	\$331,986,000	\$371,570,000
Field and Seed	\$156,575,000	\$122,794,000	\$97,184,000	\$99,224,000	\$93,282,000
Nursery	\$172,910,000	\$158,648,000	\$150,426,000	\$153,749,000	\$165,758,000
Apiculture	\$4,819,000	\$4,897,000	\$5,082,000	\$5,415,000	\$5,473,000
Aquaculture	\$5,078,000	\$5,397,000	\$4,624,000	\$4,764,000	\$4,732,000
Livestock and Poultry	\$290,746,000	\$260,015,000	\$225,758,000	\$221,750,000	\$238,468,000
GRAND TOTAL	\$1,362,016,000	\$1,301,551,000	\$1,275,776,000	\$1,222,258,000	\$1,299,208,000

2018 COMMODITY GROUP VALUES



TEN LEADING CROPS FOR 2018

Rank	Crop	Value
1st	Nursery Stock	\$165,758,000
2nd	Milk	148,973,000
3rd	Table Grapes	112,569,000
4th	Lemons	87,125,000
5th	Bell Peppers	78,950,000
6th	Dates	77,548,000
7th	Eggs	68,993,000
8th	Hay	63,781,000
9th	Grapefruit	52,113,000
10th	Avocado	38,528,000



OTHER MILLION DOLLAR COMMODITIES

Crop	Value	Crop	Value	Crop	Value
Onions - Dry	31,183,000	Corn-Sweet	10,256,000	Cantaloupe	4,660,000
Carrots	27,850,000	Artichokes	10,197,000	Cabbage	4,353,000
Oriental Vegetables	23,709,000	Beans - green	9,709,000	Pollination	4,080,000
Mandarins/tangerines	23,390,000	Potatoes	9,035,000	Tomatoes	3,947,000
Broccoli	20,681,000	Lettuce - leaf	8,923,000	Talapia	3,781,000
Cotton	19,427,000	Strawberry	7,843,000	Wheat - grain	3,068,000
Cauliflower	18,672,000	Squash	7,818,000	Eggplant	2,870,000
Cattle/calves	17,088,000	Lettuce - head	7,123,000	Honeydew melon	2,729,000
Romane Lettuce	16,657,000	Okra	6,514,000	Alfalfa - silage	2,095,000
Celery	14,780,000	Tangelos	6,200,000	Corn - silage	1,453,000
Wine grapes	14,287,000	Spices/Herbs	5,020,000	Sheep and lamb	1,394,000
Oranges	12,484,000	Watermelon	4,718,000	Honey	1,358,000
Spinach	11,432,000	Mixed melons	4,679,000	Wheat - silage	1,311,000

PRODUCTION VALUATION CHANGES 2017 TO 2018

<u>Crop</u>	<u>2018</u>	<u>2017</u>	<u>Value Change (\$)</u>	<u>Percentage Change</u>
Citrus	170,775,000	177,055,000	(6,280,000)	-3.5%
Tree and Vine	249,150,000	228,315,000	20,835,000	9.1%
Vegetables	371,570,000	331,986,000	39,584,000	11.9%
Field and Seed	93,282,000	99,224,000	(5,942,000)	-6.0%
Nursery	165,758,000	153,749,000	12,009,000	7.8%
Apiculture	5,473,000	5,415,000	58,000	1.1%
Aquaculture	4,732,000	4,764,000	(32,000)	-0.7%
All Agriculture	1,060,740,000	1,000,508,000	60,232,000	6.0%
Livestock and Poultry	238,468,000	221,750,000	16,718,000	7.5%
Grand Total	1,299,208,000	1,222,258,000	76,950,000	6.3%



CITRUS CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Grapefruit-Red	2018	1,789	1,789	13.42	24,000	tons	512.41	12,298,000
By-Products	2018			2.50	4,470	tons	60.00	268,000
Grapefruit-Red	2017	1,251	1,251	16.09	20,100	tons	475.97	9,567,000
By-Products	2017			2.58	3,230	tons	59.22	191,000
Grapefruit-Ruby	2018	2,875	2,875	13.23	38,000	tons	485.63	18,454,000
By-Products	2018			2.50	7,190	tons	62.00	446,000
Grapefruit-Ruby	2017	2,621	2,621	17.02	44,600	tons	485.32	21,645,000
By-Products	2017			2.49	6,530	tons	61.90	404,000
Grapefruit-Other	2018	100	100	14.45	1,450	tons	617.65	896,000
By-Products	2018			1.94	194	tons	36.79	7,100
Grapefruit-Other	2017	130	130	13.86	1,800	tons	501.60	903,000
By-Products	2017			1.94	252	tons	36.79	9,300
Lemons	2018	7,136	7,136	11.98	85,500	tons	1,001.31	85,612,000
By-Products	2018			2.25	16,100	tons	94.00	1,513,000
Lemons	2017	6,745	6,745	12.47	84,100	tons	1,206.29	101,449,000
By-Products	2017			2.24	15,100	tons	94.11	1,421,000
Miscellaneous*	2018	720	720	10.29	7,410	tons	1,242.54	9,207,000
Miscellaneous*	2017	475	475	9.87	4,690	tons	1,315.40	6,169,000
Oranges-Navel	2018	1,450	1,450	13.98	20,300	tons	394.09	8,000,000
By-Products	2018			4.85	7,030	tons	46.00	323,000
Oranges-Navel	2017	1,440	1,440	11.92	17,200	tons	362.33	6,232,000
By-Products	2017			4.87	7,010	tons	46.31	325,000
Oranges-Valencia	2018	930	930	10.76	10,000	tons	401.30	4,013,000
By-Products	2018			2.20	2,050	tons	72.00	148,000
Oranges-Valencia	2017	930	930	9.62	8,900	tons	320.26	2,850,000
By-Products	2017			2.12	1,970	tons	72.06	142,000
Mandarins / Tangerines	2018	1,553	1,553	8.75	13,600	tons	1,700.00	23,120,000
By-Products	2018			1.45	2,250	tons	120.00	270,000
Mandarins / Tangerines	2017	1,710	1,710	7.41	12,700	tons	1,520.68	19,313,000
By-Products	2017			1.44	2,460	tons	121.11	298,000
Tangelos	2018	780	780	8.22	6,410	tons	945.43	6,060,000
By-Products	2018			1.50	1,170	tons	120.00	140,000
Tangelos	2017	780	780	8.22	6,410	tons	935.63	5,997,000
By-Products	2017			1.48	1,150	tons	121.92	140,000
TOTAL	2018	17,333	17,333					170,775,000
	2017	16,082	16,082					177,055,000

* Includes: Kumquats, Limes, Blood Oranges.

TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Apples	2018	30	30	2.33	70	tons	1,851.43	129,600
	2017	25	25	2.40	60	tons	1,910.00	114,600
Apricots	2018	20	20	2.00	40	tons	1,988.00	79,500
	2017	20	20	2.00	40	tons	1,988.00	79,500
Avocados	2018	4,265	4,265	3.81	16,200	tons	2,378.27	38,528,000
	2017	4,520	4,520	3.92	17,700	tons	2,258.35	39,973,000
Cherries	2018	20	20	1.00	20	tons	3,680.00	74,000
	2017	20	20	1.00	20	tons	3,680.00	74,000
Dates	2018	8,575	8,575	3.60	30,900	tons	2,500.00	77,250,000
Culls	2018			0.40	3,430	tons	87.00	298,000
Dates	2017	8,350	8,350	2.40	20,000	tons	2,500.00	50,000,000
Culls	2017			0.40	3,340	tons	87.00	291,000
Grapes - Table*	2018	6,900	6,900	Listed by Variety below.				112,569,000
(Total)	2017	7,200	7,200					118,007,000
Beauty Seedless	2018			Included in Other Varieties				
	2017	40	40	6.30	252	tons	2,333.33	588,000
Scarlet	2018	580	580	5.85	3,393	tons	2,675.00	9,076,000
	2017	140	140	6.75	945	tons	2,500.00	2,363,000
Flame Seedless	2018	3,270	3,270	6.16	20,100	tons	2,645.00	53,165,000
	2017	2,200	2,200	7.90	17,400	tons	2,472.22	43,017,000
Sugarone	2018	2,350	2,350	5.05	11,868	tons	3,091.00	36,684,000
	2017	50	50	7.65	383	tons	2,888.89	1,106,000
Green Seedless	2018	100	100	7.50	750	tons	2,550.00	1,913,000
	2017			Included in Other Varieties				
Other Varieties	2018	600	600	7.78	4,700	tons	2,496.00	11,731,000
	2017	4,770	4,770	6.37	30,400	tons	2,333.33	70,933,000
Grapes - Wine	2018	2,310	2,310	3.80	8,800	tons	1,623.49	14,287,000
	2017	2,530	2,530	3.43	8,700	tons	1,520.39	13,227,000
Miscellaneous**	2018	713	713	3.87	2,760	tons	1,784.87	4,926,000
	2017	600	600	5.49	3,290	tons	1,726.51	5,680,000
Peaches	2018	45	45	1.00	45	tons	2,000.00	90,000
	2017	40	40	1.25	50	tons	1,980.00	99,000
Pomegranates	2018	110	110	7.91	870	tons	1,056.32	919,000
	2017	100	100	7.00	700	tons	1,100.00	770,000
TOTAL	2018	22,988	22,988					249,150,000
	2017	23,405	23,405					228,315,000

* Harvested Acreage supplied by the California Desert Grape Administrative Committee.

** Includes: Cherimoya, Figs, Jujube, Mangoes, Nectarines, Olives, Pears, Plums, Persimmons, Walnuts.

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Artichokes	2018	927	5.75	5,330	tons	1,913.04	10,197,000
	2017	793	6.75	5,350	tons	1,739.10	9,304,000
Beans-Green	2018	905	6.86	6,210	tons	1,563.48	9,709,000
	2017	986	6.65	6,560	tons	1,714.29	11,246,000
Broccoli	2018	2,457	8.01	19,700	tons	1,049.78	20,681,000
	2017	2,500	7.64	19,100	tons	934.51	17,849,000
Cabbage	2018	710	12.30	8,730	tons	498.60	4,353,000
	2017	427	10.30	4,400	tons	680.49	2,994,000
Carrots	2018	5,287	34.91	185,000	tons	150.54	27,850,000
	2017	6,427	34.20	220,000	tons	150.00	33,000,000
Cauliflower	2018	1,384	9.23	12,770	tons	1,462.18	18,672,000
	2017	1,352	7.75	10,480	tons	1,000.00	10,480,000
Celery	2018	1,080	29.75	32,100	tons	460.43	14,780,000
	2017	682	30.00	20,500	tons	383.33	7,858,000
Corn-Sweet	2018	1,979	10.84	21,500	tons	477.01	10,256,000
	2017	1,349	11.25	15,200	tons	577.78	8,782,000
Eggplant	2018	295	11.76	3,470	tons	827.23	2,870,000
	2017	314	22.00	6,910	tons	950.00	6,565,000
Garlic	2018	Included in Miscellaneous					
	2017	200	6.20	1,240	tons	1,050.00	1,302,000
Lettuce							
Head	2018	920	13.95	12,800	tons	556.52	7,123,000
	2017	850	12.00	10,200	tons	550.00	5,610,000
Loose Leaf	2018	920	11.99	11,000	tons	811.18	8,923,000
	2017	850	11.00	9,400	tons	800.00	7,520,000
Romaine	2018	1,800	14.00	25,200	tons	661.00	16,657,000
	2017	1,600	12.00	19,200	tons	650.00	12,480,000
Melons							
Cantaloupe	2018	1,142	15.00	17,100	tons	272.50	4,660,000
	2017	1,320	16.55	21,800	tons	311.54	6,792,000
Honeydew	2018	505	16.80	8,500	tons	321.00	2,729,000
	2017	1,120	16.50	18,500	tons	313.64	5,802,000
Mixed*	2018	971	16.20	15,700	tons	298.00	4,679,000
	2017	460	16.07	7,400	tons	334.09	2,472,000

* Includes: Casaba, Persian, Santa Claus, and Juan Canary.

VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Melons							
Watermelon	2018	569	23.91	13,600	tons	346.90	4,718,000
	2017	1,220	28.00	34,200	tons	348.82	11,930,000
Miscellaneous**	2018	3,260	11.56	37,700	tons	435.40	16,415,000
	2017	1,200	17.50	21,000	tons	250.00	5,250,000
Okra	2018	853	7.80	6,650	tons	979.60	6,514,000
	2017	624	6.45	4,020	tons	1,250.00	5,025,000
Onion - Dry	2018	4,090	21.60	88,340	tons	352.99	31,183,000
	2017	3,051	22.16	67,610	tons	352.67	23,844,000
Oriental Vegetables	2018	3,775	11.20	42,300	tons	560.49	23,709,000
	2017	2,982	9.93	29,600	tons	603.03	17,850,000
Peppers							
Bell	2018	4,166	22.14	92,200	tons	856.29	78,950,000
	2017	4,506	20.25	91,200	tons	883.33	80,560,000
Potatoes							
Fall	2018	667	17.27	11,500	tons	257.95	2,966,000
	2017	450	17.80	8,000	tons	246.44	1,972,000
Spring	2018	1,346	17.83	24,000	tons	252.88	6,069,000
	2017	1,050	18.31	19,200	tons	247.19	4,746,000
Radishes	2018	110	7.00	770	tons	1,100.00	847,000
	2017	100	6.50	650	tons	1,150.00	748,000
Spices/Herbs	2018	1,290	8.57	11,060	tons	453.92	5,020,000
	2017	1,359	7.28	9,890	tons	509.29	5,037,000
Spinach	2018	1,091	14.50	15,800	tons	723.56	11,432,000
	2017	499	10.70	8,500	tons	1,066.00	9,061,000
Squash, All	2018	1,260	11.79	14,860	tons	526.09	7,818,000
	2017	400	8.40	3,360	tons	1,014.00	3,407,000
Strawberries	2018	200	20.25	4,100	tons	1,912.96	7,843,000
	2017	200	20.00	4,000	tons	1,900.00	7,600,000
Tomatoes	2018	328	18.70	6,130	tons	643.91	3,947,000
	2017	450	20.00	9,000	tons	544.44	4,900,000
TOTAL	2018	44,287					371,570,000
	2017	39,121					331,986,000

** Includes: Amaranth, Arugula, Beets, Blueberries, Chinese Broccoli, Chinese Cabbage, Chives, Cilantro, Fennel, Garlic, Leeks, Butter Lettuce, Mint, Mushrooms, Mustard, Okra, Parsley, Radishes, Snow Peas, Chili Peppers, Pumpkins, Strawberries.



FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Cotton							
Short Staple	2018	9,100	1.22	11,100	tons	1,420.00	15,762,000
	2017	7,882	1.24	9,770	tons	1,380.00	13,483,000
Seed	2018		1.60	14,600	tons	251.00	3,665,000
	2017		1.59	12,500	tons	251.00	3,138,000
Grain							
Oats	2018	300	0.58	170	tons	240.00	41,000
	2017	200	0.58	120	tons	240.00	29,000
Wheat	2018	8,134	1.69	13,700	tons	223.96	3,068,000
	2017	9,385	1.64	15,400	tons	270.47	4,165,000
Hay							
Alfalfa	2018	43,023	6.76	291,000	tons	191.30	55,668,000
	2017	46,130	6.80	314,000	tons	192.10	60,319,000
Bermuda Grass	2018	2,900	8.40	24,400	tons	190.00	4,636,000
	2017	1,900	8.40	16,000	tons	190.00	3,040,000
Klein Grass	2018	Included in Miscellaneous					
	2017	1,172	9.20	10,800	tons	199.00	2,149,000
Oats	2018	1,206	3.50	4,220	tons	200.00	844,000
	2017	400	2.00	800	tons	195.00	156,000
Sudan	2018	2,348	5.76	13,500	tons	195.00	2,633,000
	2017	2,560	7.73	19,800	tons	198.37	3,928,000
Miscellaneous*	2018	1,156	8.00	9,250	tons	70.00	648,000
	2017	1,290	10.32	13,310		60.88	810,000

* Includes: Silage - Barley, Hay - Rye Grass.

FIELD AND SEED CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Pasture-Irrigated	2018	2,540			acres	137.72	350,000
	217	2,540			acres	137.72	350,000
Rangeland	2018	15,000			acres	2.00	30,000
	2017	15,000			acres	2.00	30,000
Silage and Green Chop							
Alfalfa	2018	5,108	3.55	18,100	tons	115.73	2,095,000
	2017	2,900	5.98	17,300	tons	83.05	1,437,000
Corn	2018	1,041	28.10	29,300	tons	49.58	1,453,000
	2017	800	26.94	21,600	tons	49.97	1,079,000
Oats	2018	409	3.00	1,230	tons	82.00	101,000
	2017	300	5.30	1,590	tons	70.00	111,000
Sorghum	2018	262	19.19	5,000	tons	66.65	333,000
	2017	140	15.00	2,100	tons	55.00	116,000
Rye Grass	2018	1,156	8.00	9,200	tons	70.00	644,000
	2017	1,500	8.00	12,000	tons	57.00	684,000
Wheat	2018	4,600	1.50	6,900	tons	190.00	1,311,000
	2017	10,500	8.00	84,000	tons	50.00	4,200,000
TOTAL	2018	102,829					93,282,000
	2017	114,492					99,224,000

* Includes: Grain - Barley, Hay - Teff Grass, Safflower.



LIVESTOCK AND POULTRY

	Number Year	Total of Head	Liveweight	Value		Total
				Per Unit	Unit	
Cattle and Calves	2018	21,600	140,500	cwt	115.00	16,158,000
	2017	21,900	142,400	cwt	120.00	17,088,000
Sheep and Lambs	2018	8,200	9,840	cwt	147.00	1,446,000
	2017	8,300	9,960	cwt	140.00	1,394,000
Other*	2018			various		1,218,000
	2017			various		1,230,000
TOTAL	2018					18,822,000
	2017					19,712,000

* Includes Baby Chicks, Chickens, Ducks, Pheasants.

LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Unit	Value		Total
					Unit	
Eggs	2018	38,979,000	dozen	1.77		68,993,000
	2017	45,858,000	dozen	1.18		54,112,000
Milk*	2018	8,503,000	cwt	17.52		148,973,000
	2017	8,176,000	cwt	17.88		146,187,000
Other Products**	2018					1,680,000
	2017					1,739,000
TOTAL	2018					219,646,000
	2017					202,038,000

*Information Supplied by: California Agricultural Statistics Service. Includes Fresh Market and Manufactured.

**Includes Wool, Manure.

AQUACULTURE

Year	Production	Unit	Value		
			Per Unit	Total	
Catfish	2017	150,000	lbs	2.50	375,000
	2017	220,000	lbs	2.55	561,000
Miscellaneous*	2018		various		576,000
	2017		various		628,000
Tilapia	2018	1,375,000	lbs	2.75	3,781,000
	2017	1,300,000	lbs	2.75	3,575,000
Total	2018				4,732,000
	2017				4,764,000

* Includes Goldfish, Koi, Tropical Fish, Bass.

NURSERY STOCK PRODUCTION

	Year	Acres	Value		Total
			Units	Per Unit	
Ornamental Nursery Stock	2018	4,339	52,321,000	various	135,212,000
	2017	3,700	35,920,000	various	127,140,000
Cut Flowers / Cut Greens	2018	111	1,737,000	cuttings	825,000
	2017	132	422,000	cuttings	750,000
Christmas Trees (cut)	2018	65	3,833	each	221,000
	2017	70	3,800	each	227,000
Turf	2018	2,244	99,889,000	square feet	26,425,000
	2017	2,030	88,427,000	square feet	22,607,000
Farm Planting Stock	2018	150	274,000	various	3,075,000
	2017	150	98,500	various	3,025,000
TOTAL	2018	6,909			165,758,000
	2017	6,082			153,749,000



APICULTURE

	Year	Production	Value		Total
			Per Unit	Unit	
Honey	2018	750,000	lbs	1.81	1,358,000
	2017	750,000	lbs	1.90	1,425,000
Beeswax	2018	13,500	lbs	2.57	34,700
	2017	13,500	lbs	2.70	36,500
Fees Collected for Pollination	2018	25,500	colonies	160.00	4,080,000
	2017	25,500	colonies	155.00	3,953,000
Total Colonies	2018	37,500			
	2017	37,500			
TOTAL	2018				5,473,000
	2017				5,415,000

DISTRICT VALUATIONS - AGRICULTURAL CROPS

District	2014	2015	2016	2017	2018
Riverside/Corona	96,205,000	94,139,000	91,835,000	102,010,000	105,905,000
San Jacinto/Temecula Valley	175,767,000	151,976,000	146,500,000	156,061,000	153,514,000
Coachella Valley	625,602,000	649,732,000	639,620,000	592,337,000	623,805,000
Palo Verde Valley	171,013,000	146,197,000	124,708,000	142,468,000	151,721,000
Total Crop Valuation	1,068,587,000	1,042,044,000	1,002,663,000	992,876,000	1,034,945,000

ACREAGE STATISTICS

Crop	2014	2015	2016	2017	2018
Citrus	16,384	16,462	15,802	16,082	17,333
Tree and Vine	26,259	23,269	22,784	23,405	22,988
Vegetable, Melons, Misc.	38,204	37,165	46,934	39,621	44,287
Field and Seed	115,727	114,492	102,829	102,829	102,829
Nursery	7,676	6,393	5,695	6,082	6,909
Total Planted Acreage	204,250	197,781	194,044	188,019	194,346

TOTAL VALUATION

Crop	2014	2015	2016	2017	2018
Citrus	170,891,000	187,673,000	200,101,000	177,055,000	170,775,000
Tree and Vine	223,593,000	234,928,000	227,444,000	228,315,000	249,150,000
Vegetable, Melons, Misc.	337,404,000	327,199,000	365,157,000	331,986,000	371,570,000
Field and Seed	156,575,000	122,794,000	97,184,000	96,063,000	93,282,000
Nursery	172,910,000	158,648,000	150,426,000	153,749,000	165,758,000
Apiculture	4,819,000	4,897,000	5,082,000	5,415,000	5,473,000
Aquaculture	5,078,000	5,397,000	4,624,000	4,764,000	4,732,000
Total Crop	1,071,270,000	1,041,536,000	1,050,018,000	997,347,000	1,060,740,000
Livestock and Poultry	290,746,000	260,015,000	225,758,000	221,175,000	238,468,000
GRAND TOTAL	1,362,016,000	1,301,551,000	1,275,776,000	1,218,522,000	1,299,208,000



CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

<u>2016</u>			<u>2017</u>		
<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>	<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>
1	Kern	7,187,938,000	1	Kern	7,254,004,000
2	Tulare	6,369,926,000	2	Tulare	7,039,709,000
3	Fresno	6,186,500,000	3	Fresno	7,024,915,000
4	Monterey	4,256,073,000	4	Monterey	4,425,425,000
5	Merced	3,445,157,000	5	Stanislaus	3,648,192,000
6	Stanislaus	3,183,150,000	6	Merced	3,409,518,000
7	San Joaquin	2,337,899,000	7	San Joaquin	2,527,966,000
8	Ventura	2,110,187,000	8	Ventura	2,099,889,000
9	Imperial	2,063,215,000	9	Kings	2,066,329,000
10	Kings	2,037,002,000	10	Imperial	2,065,599,000
11	Madera	1,819,093,000	11	Madera	1,973,067,000
12	San Diego	1,746,619,000	12	San Diego	1,774,192,000
13	Santa Barbara	1,426,663,000	13	Santa Barbara	1,590,351,000
14	Riverside	1,275,776,000	14	Riverside	1,218,552,000

YEAR

VALUE

STATE RANK

2009	\$1,015,755,000
2010	\$1,093,646,000
2011	\$1,282,256,000
2012	\$1,253,130,000
2013	\$1,327,804,000
2014	\$1,362,016,000
2015	\$1,301,551,000
2016	\$1,275,776,000
2017	\$1,218,552,000
2018	\$1,299,208,000

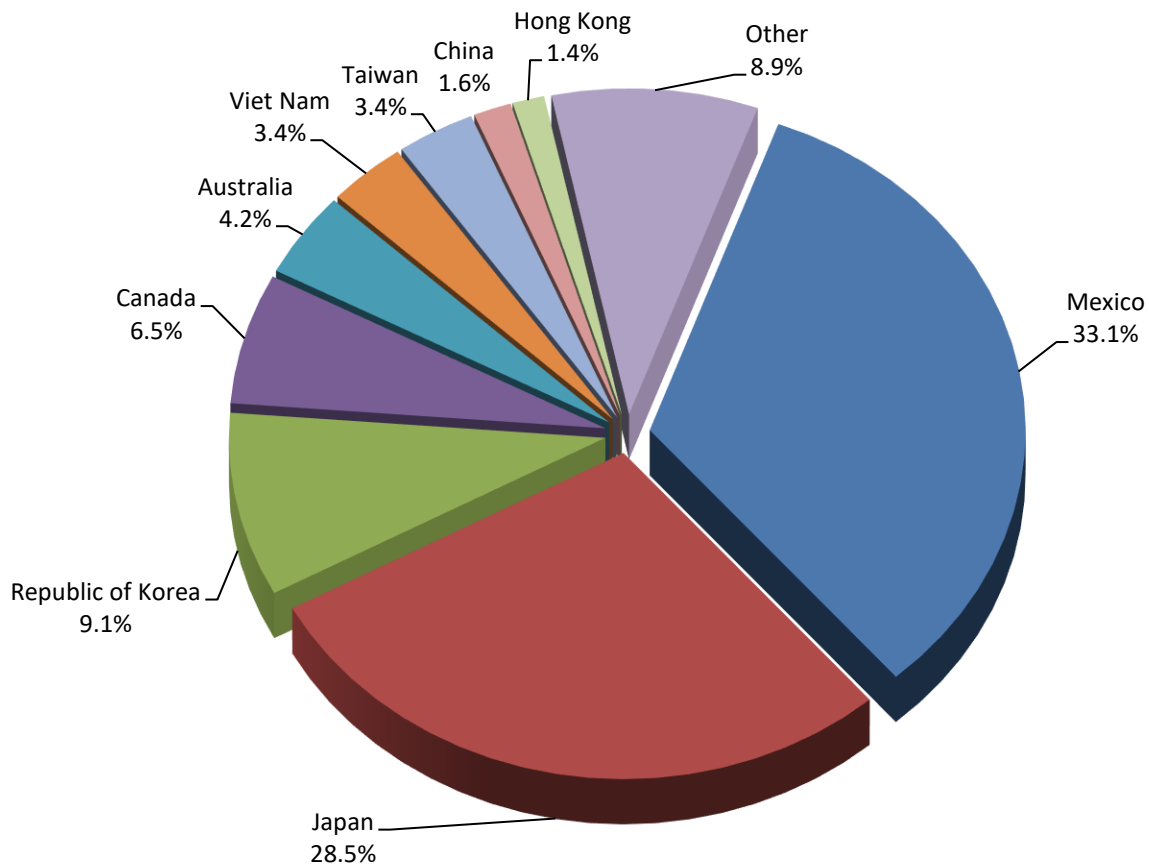


PHYTOSANITARY EXPORT CERTIFICATION - 2018

All Export Countries

Antigua and Barbuda	French Polynesia	Kuwait	St Vincent/Grenadines
Australia	Germany	Lebanon	Singapore
Bangladesh	Greece	Malaysia	Spain
Bermuda	Guatemala	Mexico	Sudan
Canada	Honduras	Myanmar	Sweden
Chile	Hong Kong	Netherlands	Taiwan
China	India	New Caledonia	Thailand
Colombia	Indonesia	New Zealand	Trinidad and Tobago
Costa Rica	Italy	Panama	Turkey
Dominican Republic	Jamaica	Peru	Uganda
Ecuador	Japan	Philippines	United Arab Emirates
El Salvador	Korea, Republic of	Qatar	United Kingdom
France		Saint Lucia	Viet Nam

Top Ten Export Countries



Note: This list only represents countries that specifically require "pest cleanliness" certification services.

PHYTOSANITARY EXPORT CERTIFICATION - 2018

All Export Commodities

Artichokes	Cantaloupe	Lettuce - Romaine	Oranges
Asparagus	Cauliflower	Leeks	Peaches
Avocados	Dates	Lemons	Raisins
Beets	Grapes	Limes	Spinach
Bok Choy	Grapefruit	Mangos	Sweet Corn
Broccoli	Herbs and Spices	Mandarines-Tangerines	Sweet Limes
Brussels Sprouts	Kale	Melons	Tangelo
Celery	Lettuce - Leaf	Nursery Stock	Wood Products
Corn			

Note: This list only represents commodities exported to countries that specifically require "pest cleanliness" certification services.



PEST INTERCEPTIONS - 2018

<u>Scientific Name</u>	<u>Common Name</u>	<u>Pest Rating</u>	<u>Interceptions</u>
<i>Allopeas gracile</i>	Graceful Awl Snail	A	1
<i>Ceroplastes rusci</i>	Fig Wax Scale	A	1
<i>Elsinoe australis</i>	Sweet Orange Scab	A	1
<i>Phenacoccus peruvianus</i>	Bourgainvillea Mealybug	A	5
<i>Pinnaspis strachani</i>	Lesser Snow Scale	A	2
<i>Fiorinia externa</i>	Elongate Hemlock Scale	A	10+
<i>Aonideilla aurantii</i>	California Red Scale	B	1
<i>Elaphira nucicolora</i>	Sugarcane Midget Moth	Q	1
<i>Platycorypha nigrivirga</i>	Tipu Psyllid	Q	1
<i>Zachrysia provisoria</i>	Snail	Q	1
<i>Setaria adehaerens</i>	Bur Bristlegrass	Q	1
<i>Phloeotribus scarabaeiodes</i>	Olive Bark Beetle	Q	2
<i>Araujia sericifera</i>	White Bladder Flower	W	1



PEST INTERCEPTIONS - 2018

Pest Rating Designations

"A" is an organism of known economic importance subject to state (or County Agricultural Commissioner) enforcement action.

"B" is an organism of known economic importance subject to enforcement action at the discretion of the County Agricultural Commissioner.

"Q" is an organism suspected to be of economic importance but its status is uncertain because of incomplete or inadequate information.



PEST INTERCEPTION SUMMARY 2014 - 2018

<u>Year</u>	<u>Total</u>	<u>A</u>	<u>B</u>	<u>Q</u>
2018	27+	20+	1	6
2017	15	5	3	7
2016	10	5	3	2
2015	61	45	6	10
2014	58	37	10	11

SUSTAINABLE AGRICULTURE - 2018

ORGANIC FARMING

214

PEST DETECTION (Commercial and Urban)

<u>Activity</u>	<u>Hours</u>
Commercial Crops	21
Public Contact	148.1
Special Surveys:	
Red Imported Fire Ant	0
Other	88.5
Citrus Tristeza Indexing (Coachella Valley)	
Commercial	<u>Numbers</u>
Properties tested	2
Acres Sampled	35
Samples tested biochemically	74
"Positive" samples	0

PEST DETECTION (Exotic Insects)

<u>Pest</u>	<u>Trap Servicing</u>
European Grape Vine Moth	6,809
Light Brown Apple Moth	0
European Corn Borer	159
Pink Hibiscus Mealybug	0
Khapra Beetle	230
Gypsy Moth	49

Pest Exclusion (Incoming plant shipments)

<u>Units Profiled</u>	<u>Units inspected</u>	<u>Rejections</u>
2615	1883	10

PEST ABATEMENT / HOLD NOTICES

<u>Pest</u>	<u>Properties</u>
California Red Scale	20
Asian Citrus Psyllid	0
Sting Nematode	0
Citrus Tristeza Virus	0
Glassy-Winged Sharpshooter	0
Giant Palm Borer	0

BIOLOGICAL CONTROL OF WEEDS

<u>Pest</u>	<u>Control Agent</u>
Yellow Starthistle	<i>Bangasternus orientalis</i> (weevil)
	<i>Eustenopus villosus</i> (weevil)
Puncture Vine	<i>Microlarinus lareynii</i> (weevil)
	<i>Microlarinus lypriformis</i> (weevil)

BIOLOGICAL CONTROL OF INSECTS AND SNAILS

<u>Pest</u>	<u>Control Agent</u>
Ash Whitefly	<i>Eucaris arthenopea</i> (wasp)
Black Scale	<i>Metaphycus helvolus</i> (wasp)
Brown Soft Scale	<i>Metaphycus luteolus</i> (wasp)
California Red Scale	<i>Aphytis melinus</i> (wasp)
Citrus Mealybug	<i>Cryptolaemus montrouzieri</i> (beetle)
Cottony Cushion	<i>Encarsia sp.</i> (wasp)
Scale	<i>Cryptochaetum iceyae</i> (fly)
Eucalyptus	<i>Aventianella longoi</i> (wasp)
Long-horned Borer	<i>Jarra phoracantha</i> (wasp)
	<i>Syngaster lepidus</i> (wasp)
Mosquitoes	<i>Bacillus thur. iraelensis</i> (baterium)
	<i>Gamusia affinis</i> (fish)
Olive Fruit Fly	<i>Psytalia concolor</i> (wasp)
Persea Mite	<i>Galendromus annectens</i> (mite)
	<i>Galenromus helveolus</i> (mite)
	<i>Galendromus pilosus</i> (mite)
Red Gum Lerp Psyllid	<i>Plyllaephagus bliteus</i> (wasp)
Pink Hibiscus Mealybug	<i>Gyranusoidea indica</i>
	<i>Gyranusoidea indica</i>
Ant	<i>Pseudacteon tricuspis</i> (fly)
Two Spotted	<i>Phytoseiulus persimilis</i> (mite)
Spider Mite	<i>Galendromus occidentalis</i> (mite)
Vine Mealybug	<i>Cryptolaemus montrouzieri</i> (beetle)
Western Grapeleaf	<i>Ametadoria harrisinae</i> (parasitoid)
Skeletonizer	<i>Apanteles harrisinae</i> (wasp)
Wooly Whitefly	<i>Amitus spiniferus</i> (parasitoid)
	<i>Cales noacki</i> (parasitoid)
Asian Citrus Psyllid	<i>Chrysoperla carnea</i>

OTHER

Enforcement of the following County Ordinances:
Agricultural Grading, Land Application
of Manure and Biosolids, Cotton Plowdown, Blowing
Dust, and Beekeeping.



NOTES



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