

RIVERSIDE COUNTY AGRICULTURAL PRODUCTION REPORT 2017



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CONTENTS

1	COMMODITY GROUP VALUES
2	LEADING COMMODITIES
3	PRODUCTION VALUATION CHANGES 2016 - 2017
4	CITRUS CROPS
5	TREE AND VINE CROPS
6 - 7	VEGETABLE, MELON AND MISCELLANEOUS CROPS
8 - 9	FIELD AND SEED CROPS
10	LIVESTOCK AND POULTRY
10	LIVESTOCK AND POULTRY PRODUCTS
10	AQUACULTURE
11	NURSERY STOCK PRODUCTION
11	APICULTURE
12	DISTRICT VALUATIONS
13	CALIFORNIA'S LEADING AGRICULTURAL COUNTIES 2015 - 2016
13	RIVERSIDE COUNTY AGRICULTURAL PRODUCTION VALUES 2008 - 2017
14 - 15	PHYTOSANITARY EXPORT CERTIFICATION SUMMARY
16 - 17	RIVERSIDE COUNTY PEST INTERCEPTIONS
18	SUSTAINABLE AGRICULTURE

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RUBEN J. ARROYO
AGRICULTURAL COMMISSIONER
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RIVERSIDE COUNTY AGRICULTURAL COMMISSIONER'S OFFICE

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The Honorable Board of Supervisors of Riverside County

Chuck Washington, Chairman, District 3

Kevin Jeffries, District 1
V. Manuel Perez, District

John Tavaglione, District 2
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It is with great pleasure that I present the 2017 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 Riverside County's agricultural commodities.

This year's report represents a total gross value of **\$1,218,522,000**. This total represents a decrease of \$57.3 million (4.5%) from last year's total value. The largest decline (11.5%) was seen in Citrus, primarily lemons. Lemons are an alternate bearing crop, therefore this year's decline in yield was not unforeseen. Milk and egg production fell slightly, but prices kept the overall valuation near last year's total. Vegetables saw a 9% drop in value while Nursery products experienced a 2% rise in value.

Based on historical models, Riverside County's 2017 agricultural production contributed nearly four billion dollars to the regional economy when indirect and induced economic impacts are considered.

A key factor in Riverside County's agricultural strength is in the diversity of crops produced. This is especially important as producers contend with fluctuating climate and weather patterns. Our 2017 report includes more than 120 different commodities, thirty-nine of which have a gross value in excess of \$1,000,000. Despite the multitude of challenges faced by agriculturalists in 2017, Riverside County exported high-quality food and fiber to more than 50 countries worldwide.

Crop values vary from year to year based on production, market fluctuations and weather. It must be emphasized that this report reflects a gross return only and in no way represents a measure of profit or loss to producers. Growers do not have control over most input costs, such as fuel, fertilizers and packaging, nor can they significantly affect market prices.

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 to the industry for their continued efforts in providing the vital information that enables the compilation of this report.

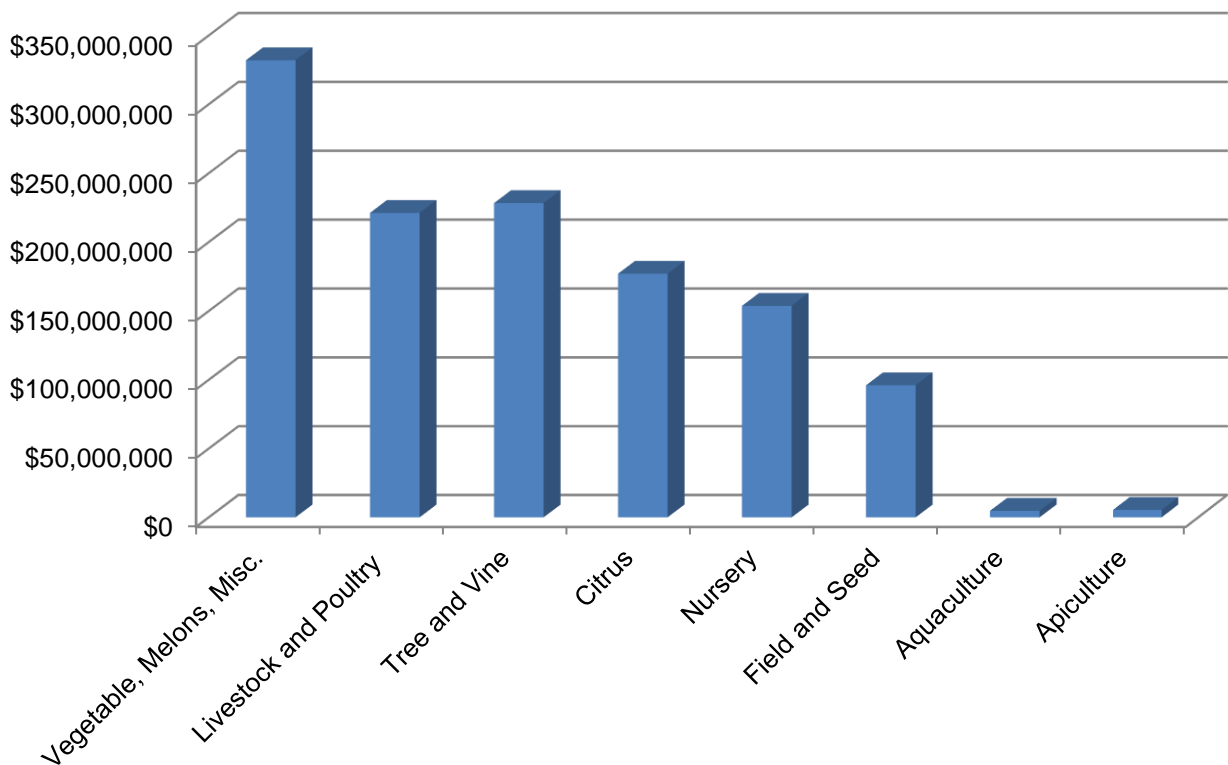
Respectfully submitted,

Ruben J. Arroyo
Agricultural Commissioner
Sealer of Weights and Measures

FIVE YEAR COMPARISON

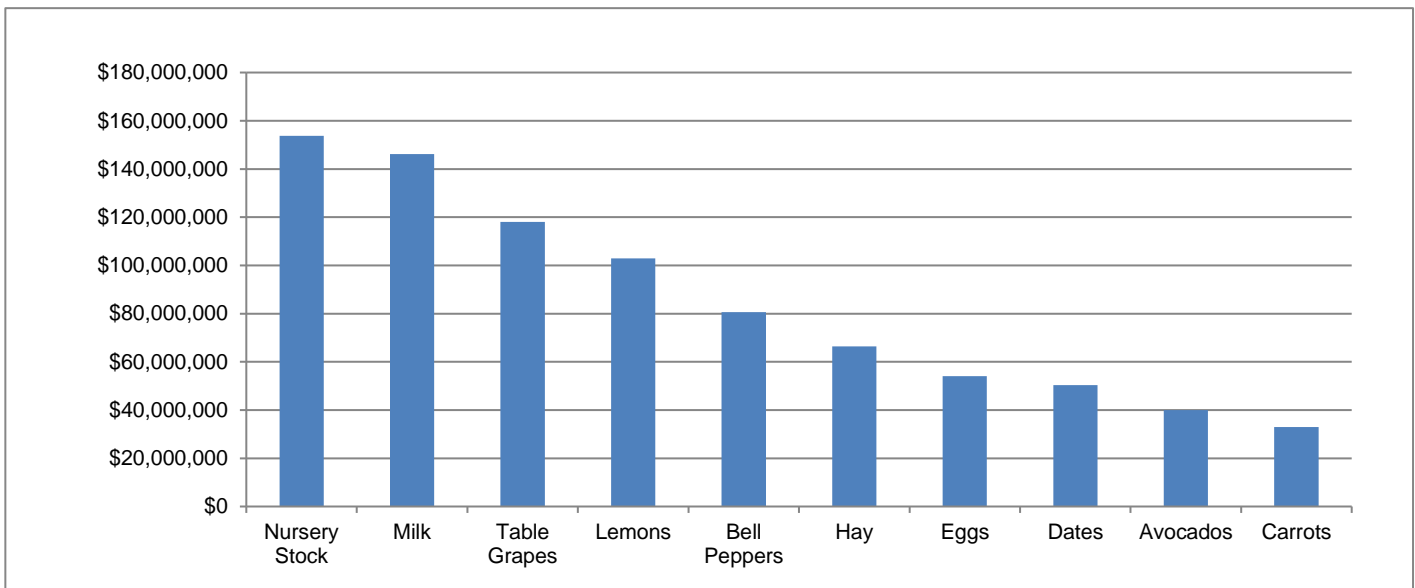
Commodity Group	2013	2014	2015	2016	2017
Citrus	\$142,404,000	\$170,891,000	\$187,673,000	\$200,101,000	\$177,055,000
Tree and Vine	\$232,536,000	\$223,593,000	\$234,928,000	\$227,444,000	\$228,315,000
Vegetable, Melons, Misc.	\$340,407,000	\$337,404,000	\$327,199,000	\$365,157,000	\$331,986,000
Field and Seed	\$154,582,000	\$156,575,000	\$122,794,000	\$97,184,000	\$96,063,000
Nursery	\$191,215,000	\$172,910,000	\$158,648,000	\$150,426,000	\$153,749,000
Apiculture	\$4,715,000	\$4,819,000	\$4,897,000	\$5,082,000	\$5,415,000
Aquaculture	\$2,262,000	\$5,078,000	\$5,397,000	\$4,624,000	\$4,764,000
Livestock and Poultry	\$259,683,000	\$290,746,000	\$260,015,000	\$225,758,000	\$221,175,000
GRAND TOTAL	\$1,327,804,000	\$1,362,016,000	\$1,301,551,000	\$1,275,776,000	\$1,218,522,000

2017 COMMODITY GROUP VALUES



TEN LEADING CROPS FOR 2017

Rank	Crop	Value
1st	Nursery Stock	\$153,749,000
2nd	Milk	146,187,000
3rd	Table Grapes	118,007,000
4th	Lemons	102,870,000
5th	Bell Peppers	80,560,000
6th	Hay	66,431,000
7th	Eggs	54,112,000
8th	Dates	50,291,000
9th	Avocados	39,973,000
10th	Carrots	33,000,000



OTHER MILLION DOLLAR COMMODITIES

Crop	Value	Crop	Value	Crop	Value
Grapefruit	32,719,000	Artichokes	9,304,000	Okra	5,025,000
Onion - Dry	23,844,000	Spinach	9,061,000	Tomatoes	4,900,000
Mandarins/Tangerines	19,611,000	Corn-Sweet	8,782,000	Wheat-Silage	4,200,000
Asian Vegetables	17,850,000	Celery	7,858,000	Wheat-Grain	4,165,000
Broccoli	17,849,000	Strawberries	7,600,000	Pollination	3,953,000
Cattle and Calves	17,088,000	Lettuce - Leaf	7,520,000	Talapia	3,575,000
Cotton	16,621,000	Cantaloupe	6,792,000	Squash	3,407,000
Grapes - Wine	13,227,000	Potatoes	6,718,000	Cabbage	2,994,000
Romaine Lettuce	12,480,000	Eggplant	6,565,000	Alfalfa-Silage	1,437,000
Watermelon	11,930,000	Tangelos	6,137,000	Honey	1,425,000
Beans-Green	11,246,000	Honeydew Melon	5,802,000	Sheep and Lamb	1,394,000
Cauliflower	10,480,000	Lettuce-Head	5,610,000	Garlic	1,302,000
Oranges	9,549,000	Spices/Herbs	5,037,000	Corn	1,079,000

PRODUCTION VALUATION CHANGES 2016 TO 2017

<u>Crop</u>	<u>2017</u>	<u>2016</u>	<u>Value Change (\$)</u>	<u>Percentage Change</u>
Citrus	177,055,000	200,101,000	(23,046,000)	-11.5%
Tree and Vine	228,315,000	227,444,000	871,000	0.4%
Vegetables	331,986,000	365,157,000	(33,171,000)	-9.1%
Field and Seed	96,063,000	97,184,000	(1,121,000)	-1.2%
Nursery	153,749,000	150,426,000	3,323,000	2.2%
Apiculture	5,415,000	5,082,000	333,000	6.6%
Aquaculture	4,764,000	4,624,000	140,000	3.0%
All Agriculture	997,347,000	1,050,018,000	(52,671,000)	-5.0%
Livestock and Poultry	221,175,000	225,758,000	(4,583,000)	-2.0%
Grand Total	1,218,522,000	1,275,776,000	(57,254,000)	-4.5%



CITRUS CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
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-Red	2016	1,237	1,237	15.63	19,300	tons	567.82	10,959,000
By-Products	2016			2.56	3,170	tons	59.38	188,000
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-Ruby	2016	2,833	2,833	10.87	30,800	tons	533.15	16,421,000
By-Products	2016			2.50	7,080	tons	61.89	438,000
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
Grapefruit-Other	2016	130	130	14.72	1,910	tons	504.92	964,000
By-Products	2016			1.84	239	tons	68.67	16,400
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
Lemons	2016	6,382	6,382	15.82	101,000	tons	1,249.80	126,230,000
By-Products	2016			2.29	14,600	tons	93.91	1,371,000
Miscellaneous*	2017	475	475	9.87	4,690	tons	1,315.40	6,169,000
Miscellaneous*	2016	442	442	9.56	4,230	tons	1,375.57	5,819,000
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-Navel	2016	1,586	1,586	11.79	18,700	tons	358.71	6,708,000
By-Products	2016			7.04	11,170	tons	231.59	2,587,000
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
Oranges-Valencia	2016	1,049	1,049	9.24	9,700	tons	329.13	3,193,000
By-Products	2016			2.00	2,100	tons	70.98	149,000
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
Mandarins / Tangerines	2016	1,611	1,611	7.91	12,700	tons	1,626.64	20,658,000
By-Products	2016			1.44	2,320	tons	121.11	281,000
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
Tangelos	2016	532	532	8.15	4,340	tons	920.47	3,995,000
By-Products	2016			2.18	1,160	tons	106.67	124,000
TOTAL	2017	16,082	16,082					177,055,000
	2016	15,802	15,802					200,101,000

* Includes: Kumquats, Limes, Blood Oranges.

TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Apples	2017	25	25	2.40	60	tons	1,910.00	114,600
	2016	28	28	2.40	67	tons	1,910.00	128,000
Apricots	2017	20	20	2.00	40	tons	1,988.00	79,500
	2016	6	6	2.00	12	tons	1,988.00	23,900
Avocados	2017	4,520	4,520	3.92	17,700	tons	2,258.35	39,973,000
	2016	4,185	4,185	4.15	17,400	tons	1,919.09	33,392,000
Cherries	2017	20	20	1.00	20	tons	3,680.00	74,000
	2016	10	10	1.00	10	tons	3,680.00	37,000
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
Dates	2016	7,964	7,964	2.40	19,100	tons	2,100.00	40,110,000
Culls	2016			0.35	2,790	tons	85.00	237,000
Grapes - Table*	2017	7,200	7,200	Listed by Variety below.				118,007,000
(Total)	2016	7,462	7,432					139,343,000
Beauty Seedless	2017	40	40	6.30	252	tons	2,333.33	588,000
	2016	43	43	6.50	280	tons	2,666.67	747,000
Scarlet	2017	140	140	6.75	945	tons	2,500.00	2,363,000
	2016			Included in Other Varieties				
Flame Seedless	2017	2,200	2,200	7.90	17,400	tons	2,472.22	43,017,000
	2016	3,050	3,050	9.60	29,300	tons	2,220.22	65,052,000
Sugarone	2017	50	50	7.65	383	tons	2,888.89	1,106,000
	2016			Included in Other Varieties				
Thompson Seedless	2017			Included in Other Varieties				
	2016	60	60	6.55	393	tons	2,888.88	1,135,000
Other Varieties	2017	4,770	4,770	6.37	30,400	tons	2,333.33	70,933,000
	2016	4,309	4,309	6.31	27,200	tons	2,662.10	72,409,000
Grapes - Wine	2017	2,530	2,530	3.43	8,700	tons	1,520.39	13,227,000
	2016	2,630	2,630	2.09	5,500	tons	1,746.27	9,604,000
Miscellaneous**	2017	600	600	5.49	3,290	tons	1,726.51	5,680,000
	2016	475	475	4.66	2,210	tons	1,983.39	4,383,000
Peaches	2017	40	40	1.25	50	tons	1,980.00	99,000
	2016	39	39	1.24	48	tons	1,995.15	96,000
Pomegranates	2017	100	100	7.00	700	tons	1,100.00	770,000
	2016	15	15	7.00	105	tons	1,090.00	114,000
TOTAL	2017	23,405	23,405					228,315,000
	2016	22,814	22,784					227,468,000

* 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	2017	793	6.75	5,350	tons	1,739.10	9,304,000
	2016	855	8.05	6,880	tons	1,362.10	9,371,000
Beans-Green	2017	986	6.65	6,560	tons	1,714.29	11,246,000
	2016	771	5.67	4,370	tons	1,629.21	7,120,000
Broccoli	2017	2,500	7.64	19,100	tons	934.51	17,849,000
	2016	3,992	6.54	26,100	tons	905.00	23,621,000
Cabbage	2017	427	10.30	4,400	tons	680.49	2,994,000
	2016	327	9.50	3,110	tons	765.00	2,379,000
Carrots	2017	6,427	34.20	220,000	tons	150.00	33,000,000
	2016	5,237	33.88	177,000	tons	175.00	30,975,000
Cauliflower	2017	1,352	7.75	10,480	tons	1,000.00	10,480,000
	2016	1,417	7.75	10,980	tons	1,000.00	10,980,000
Celery	2017	682	30.00	20,500	tons	383.33	7,858,000
	2016	757	27.00	20,400	tons	395.00	8,058,000
Corn-Sweet	2017	1,349	11.25	15,200	tons	577.78	8,782,000
	2016	1,900	10.07	19,100	tons	585.37	11,181,000
Eggplant	2017	314	22.00	6,910	tons	950.00	6,565,000
	2016	314	22.00	6,910	tons	950.00	6,565,000
Garlic	2017	200	6.20	1,240	tons	1,050.00	1,302,000
	2016	1,628	6.08	9,900	tons	1,050.00	10,395,000
Lettuce							
Head	2017	850	12.00	10,200	tons	550.00	5,610,000
	2016	830	13.25	11,000	tons	502.89	5,532,000
Loose Leaf	2017	850	11.00	9,400	tons	800.00	7,520,000
	2016	847	11.47	9,700	tons	771.81	7,487,000
Romaine	2017	1,600	12.00	19,200	tons	650.00	12,480,000
	2016	1,630	13.00	21,200	tons	599.62	12,712,000
Melons							
Cantaloupe	2017	1,320	16.55	21,800	tons	311.54	6,792,000
	2016	2,224	12.63	28,100	tons	423.00	11,886,000
Honeydew	2017	1,120	16.50	18,500	tons	313.64	5,802,000
	2016	1,925	13.03	25,100	tons	533.00	13,378,000
Mixed*	2017	460	16.07	7,400	tons	334.09	2,472,000
	2016	2,800	13.13	36,800	tons	464.64	17,099,000

* 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	2017	1,220	28.00	34,200	tons	348.82	11,930,000
	2016	2,289	26.66	61,000	tons	327.57	19,982,000
Miscellaneous**	2017	1,200	17.50	21,000	tons	250.00	5,250,000
	2016	1,092	17.02	18,600	tons	272.62	5,071,000
Okra	2017	624	6.45	4,020	tons	1,250.00	5,025,000
	2016	643	6.45	4,150	tons	2,668.00	11,072,000
Onion - Dry	2017	3,051	22.16	67,610	tons	352.67	23,844,000
	2016	337	19.67	6,630	tons	382.86	2,538,000
Oriental Vegetables	2017	2,982	9.93	29,600	tons	603.03	17,850,000
	2016	3,095	9.19	28,400	tons	681.36	19,351,000
Peppers							
Bell	2017	4,506	20.25	91,200	tons	883.33	80,560,000
	2016	5,348	17.46	93,400	tons	840.15	78,470,000
Potatoes							
Fall	2017	450	17.80	8,000	tons	246.44	1,972,000
	2016	875	19.25	16,800	tons	250.00	4,200,000
Spring	2017	1,050	18.31	19,200	tons	247.19	4,746,000
	2016	2,841	9.47	26,900	tons	297.49	8,002,000
Radishes	2017	100	6.50	650	tons	1,150.00	748,000
	2016	101	7.50	760	tons	1,065.00	809,000
Spices/Herbs	2017	1,359	7.28	9,890	tons	509.29	5,037,000
	2016	1,556	7.99	12,430	tons	500.48	6,221,000
Spinach	2017	799	10.70	8,500	tons	1,066.00	9,061,000
	2016	504	8.50	4,300	tons	1,621.00	6,970,000
Squash, All	2017	400	8.40	3,360	tons	1,014.00	3,407,000
	2016	300	6.39	1,920	tons	1,915.50	3,678,000
Strawberries	2017	200	20.00	4,000	tons	1,900.00	7,600,000
	2016	152	21.33	3,200	tons	1,937.39	6,200,000
Tomatoes	2017	450	20.00	9,000	tons	544.44	4,900,000
	2016	347	18.29	6,350	tons	606.95	3,854,000
TOTAL	2017	39,621					331,986,000
	2016	45,306					365,157,000

** 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	2017	7,882	1.24	9,770	tons	1,380.00	13,483,000
	2016	4,278	1.30	5,560	tons	1,260.00	7,006,000
Seed	2017		1.59	12,500	tons	251.00	3,138,000
	2016		1.60	6,800	tons	251.00	1,707,000
Grain							
Oats	2017	200	0.58	120	tons	240.00	29,000
	2016	224	0.58	130	tons	241.00	31,000
Wheat	2017	9,385	1.64	15,400	tons	270.47	4,165,000
	2016	6,934	1.40	9,700	tons	278.47	2,701,000
Hay							
Alfalfa	2017	46,130	6.80	314,000	tons	192.10	60,319,000
	2016	49,395	8.26	408,000	tons	167.32	68,267,000
Bermuda Grass	2017	1,900	8.40	16,000	tons	190.00	3,040,000
	2016	2,211	8.40	18,600	tons	190.00	3,534,000
Klein Grass	2017		Included in Miscellaneous				
	2016	1,172	9.20	10,800	tons	199.00	2,149,000
Oats	2017	400	2.00	800	tons	195.00	156,000
	2016	371	2.00	740	tons	195.00	144,000
Sudan	2017	2,560	5.73	14,700	tons	198.37	2,916,000
	2016	705	5.75	4,100	tons	195.10	800,000
Miscellaneous*	2017	1,290	10.32	13,310	tons	60.88	810,000
	2016	1,878	9.60	18,030		46.09	831,000

* Includes: Silage - Barley, Triticales.

FIELD AND SEED CROPS

	Production				Value		
	Year	Harvested Acreage	Per Acre	Total	Unit	Per Unit	Total
Pasture-Irrigated	2017	2,540			acres	137.72	350,000
	2016	2,500			acres	140.00	350,000
Rangeland	2017	15,000			acres	2.00	30,000
	2016	15,000			acres	2.00	30,000
Silage and Green Chop							
Alfalfa	2017	2,900	5.98	17,300	tons	83.05	1,437,000
	2016	2,969	6.12	18,200	tons	80.04	1,457,000
Corn	2017	800	26.94	21,600	tons	49.97	1,079,000
	2016	1,921	30.35	58,300	tons	47.98	2,797,000
Oats	2017	300	5.30	1,590	tons	70.00	111,000
	2016	300	5.30	1,590	tons	70.00	111,000
Sorghum	2017	140	15.00	2,100	tons	55.00	116,000
	2016	300	5.30	1,600	tons	70.00	112,000
Rye Grass	2017	1,500	8.00	12,000	tons	57.00	684,000
	2016	1,546	8.00	12,400	tons	57.00	707,000
Wheat	2017	10,500	8.00	84,000	tons	50.00	4,200,000
	2016	11,125	8.00	89,000	tons	50.00	4,450,000
TOTAL	2016	102,829					96,063,000
	2015	114,492					97,184,000

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



LIVESTOCK AND POULTRY

	Number Year	Total of Head	Liveweight	Value		Total
				Per Unit	Unit	
Cattle and Calves	2017	21,900	142,400	cwt	120.00	17,088,000
	2016	21,900	142,400	cwt	129.00	18,370,000
Sheep and Lambs	2017	8,300	9,960	cwt	140.00	1,394,000
	2016	8,300	9,960	cwt	138.00	1,374,000
Other*	2017			various		1,230,000
	2016			various		1,167,000
TOTAL	2017					19,712,000
	2016					20,911,000

* Includes Baby Chicks, Chickens, Ducks, Pheasants.

LIVESTOCK AND POULTRY PRODUCTS

	Year	Production	Unit	Value		Total
					Unit	
Eggs	2017	45,858,000	dozen		1.18	54,112,000
	2016	47,034,000	dozen		1.15	54,089,000
Milk*	2017	8,176,000	cwt		17.88	146,187,000
	2016	8,735,000	cwt		17.06	149,019,000
Other Products**	2017					1,739,000
	2016					1,739,000
TOTAL	2017					202,038,000
	2016					204,847,000

*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	220,000	lbs	2.55	561,000
	2016	215,000	lbs	2.50	538,000
Miscellaneous*	2017		various		628,000
	2016		various		580,000
Tilapia	2017	1,300,000	lbs	2.75	3,575,000
	2016	1,275,000	lbs	2.75	3,506,000
Total	2017				4,764,000
	2016				4,624,000

* Includes Goldfish, Koi, Tropical Fish, Bass.

NURSERY STOCK PRODUCTION

	Year	Acres	Value		Total
			Units	Per Unit	
Ornamental Nursery Stock	2017	3,700	35,920,000	various	127,140,000
	2016	3,592	34,872,000	various	122,346,000
Cut Flowers / Cut Greens	2017	132	422,000	cuttings	750,000
	2016	117	374,000	cuttings	374,000
Christmas Trees (cut)	2017	70	3,800	each	227,000
	2016	15	820	each	55,000
Turf	2017	2,030	88,427,000	square feet	22,607,000
	2016	1,818	79,192,000	square feet	22,939,000
Farm Planting Stock	2017	150	98,500	various	3,025,000
	2016	153	100,495	various	4,712,000
TOTAL	2017	6,082			153,749,000
	2016	5,695			150,426,000



APICULTURE

	Year	Production	Value		Total
			Per Unit	Unit	
Honey	2017	750,000	lbs	1.90	1,425,000
	2016	735,000	lbs	1.90	1,397,000
Beeswax	2017	13,500	lbs	2.70	36,500
	2016	14,000	lbs	2.70	37,800
Fees Collected for Pollination	2017	25,500	colonies	155.00	3,953,000
	2016	25,500	colonies	143.00	3,647,000
Total Colonies	2017	37,500			
	2016	37,500			
TOTAL	2017				5,415,000
	2016				5,082,000

DISTRICT VALUATIONS - AGRICULTURAL CROPS

District	2013	2014	2015	2016	2017
Riverside/Corona	110,078,000	96,205,000	94,139,000	91,835,000	102,010,000
San Jacinto/Temecula Valley	165,035,000	175,767,000	151,976,000	146,500,000	156,061,000
Coachella Valley	615,621,000	625,602,000	649,732,000	639,620,000	592,337,000
Palo Verde Valley	167,701,000	171,013,000	146,197,000	124,708,000	142,468,000
Total Crop Valuation	1,058,435,000	1,068,587,000	1,042,044,000	1,002,663,000	992,876,000

ACREAGE STATISTICS

Crop	2013	2014	2015	2016	2017
Citrus	15,729	16,384	16,462	15,802	16,082
Tree and Vine	26,826	26,259	23,269	22,784	23,405
Vegetable, Melons, Misc.	41,939	38,204	37,165	46,934	39,621
Field and Seed	127,914	115,727	114,492	102,829	102,829
Nursery	7,701	7,676	6,393	5,695	6,082
Total Planted Acreage	220,109	204,250	197,781	194,044	188,019

TOTAL VALUATION

Crop	2013	2014	2015	2016	2017
Citrus	142,404,000	170,891,000	187,673,000	200,101,000	177,055,000
Tree and Vine	232,536,000	223,593,000	234,928,000	227,444,000	228,315,000
Vegetable, Melons, Misc.	340,407,000	337,404,000	327,199,000	365,157,000	331,986,000
Field and Seed	154,582,000	156,575,000	122,794,000	97,184,000	96,063,000
Nursery	191,215,000	172,910,000	158,648,000	150,426,000	153,749,000
Apiculture	4,715,000	4,819,000	4,897,000	5,082,000	5,415,000
Aquaculture	2,262,000	5,078,000	5,397,000	4,624,000	4,764,000
Total Crop	1,068,121,000	1,071,270,000	1,041,536,000	1,050,018,000	997,347,000
Livestock and Poultry	259,683,000	290,746,000	260,015,000	225,758,000	221,175,000
GRAND TOTAL	1,327,804,000	1,362,016,000	1,301,551,000	1,275,776,000	1,218,522,000



CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

<u>2015</u>			<u>2016</u>		
<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>	<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>
1	Tulare	6,980,772,000	1	Kern	7,187,938,000
2	Kern	6,878,664,000	2	Tulare	6,369,926,000
3	Fresno	6,605,943,000	3	Fresno	6,182,541,000
4	Monterey	4,841,519,000	4	Monterey	4,256,073,000
5	Stanislaus	3,879,333,000	5	Merced	3,447,830,000
6	Merced	3,589,900,000	6	Stanislaus	3,261,412,000
7	San Joaquin	2,732,900,000	7	San Joaquin	2,337,899,000
8	Ventura	2,198,555,000	8	Ventura	2,110,187,000
9	Kings	2,021,052,000	9	Imperial	2,063,215,000
10	Madera	2,016,726,000	10	Kings	2,002,192,000
11	Imperial	1,925,137,000	11	Madera	1,819,093,000
12	San Diego	1,701,762,000	12	San Diego	1,746,619,000
13	Santa Barbara	1,479,093,000	13	Santa Barbara	1,426,662,000
14	Riverside	1,301,552,000	14	Riverside	1,275,776,000

RIVERSIDE COUNTY AGRICULTURAL PRODUCTION VALUES 2008 - 2017

<u>YEAR</u>	<u>VALUE</u>	<u>STATE RANK</u>
2008	\$1,268,590,000	12
2009	\$1,015,755,000	12
2010	\$1,093,646,000	12
2011	\$1,282,256,000	13
2012	\$1,253,130,000	13
2013	\$1,327,804,000	14
2014	\$1,362,016,000	13
2015	\$1,301,551,000	14
2016	\$1,275,776,000	14
2017	\$1,218,552,000	14

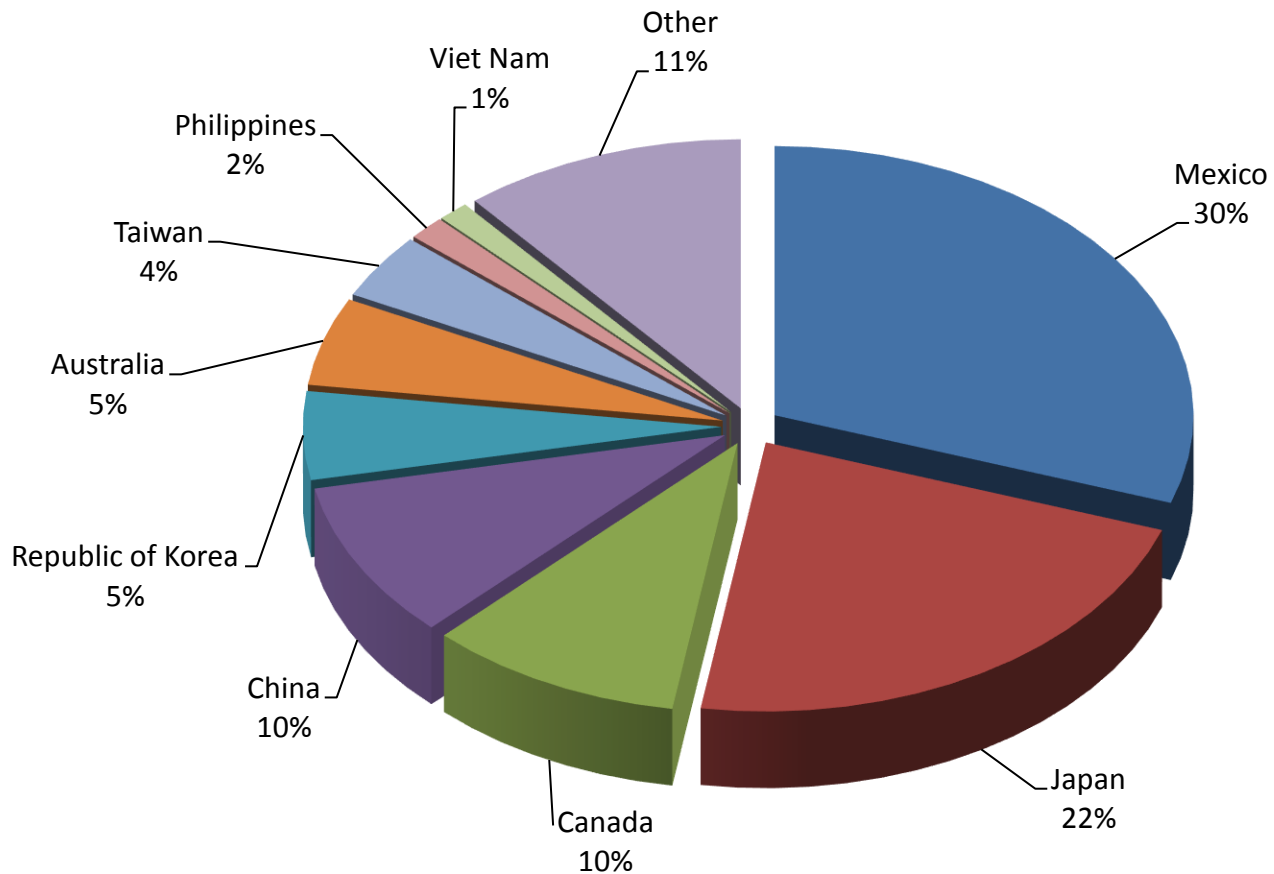


PHYTOSANITARY EXPORT CERTIFICATION - 2017

All Export Countries

Australia	Ecuador	Korea	Singapore
Bangladesh	El Salvador	Lebanon	South Africa
Botswana	France	Malaysia	Spain
Brazil	French Polynesia	Maldives	Sri Lanka
Canada	Gambia	Mexico	Switzerland
Cayman Islands	Ghana	Myanmar	Taiwan
Chile	Guatemala	Netherlands	Thailand
China	Honduras	New Zealand	Trinidad and Tobago
Colombia	Hong Kong	Nigeria	Turkey
Costa Rica	Indonesia	Panama	Uganda
Denmark	Israel	Philippines	United Arab Emirates
Dominica	Jamaica	Qatar	Viet Nam
Dominican Republic	Japan	Saudi Arabia	

Top Ten Export Countries



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

PHYTOSANITARY EXPORT CERTIFICATION - 2017

All Export Commodities

Alfalfa	Cotton	Klein Grass	Pumpkins
Artichokes	Date Palms	Lemons	Raisins
Avocados	Dates	Limes	Spinach
Bell Peppers	Eggplant	Mangoes	Sudan Grass
Broccoli	Grapes	Oranges	Tomatoes
Brussels Sprouts	Grapefruit	Ornamental Nursery Stock	Watermelons
Celery	Honeydew Melon	Peppers	Wood Products
Corn	Kale	Pistachio	

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



PEST INTERCEPTIONS - 2017

<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>Opeas pyrgula</i>	Sharp Awl Snail	A	1
<i>Thyridopteryx ephemeraeformis</i>	Bagworm	A	1
<i>Aonideilla aurantii</i>	California Red Scale	B	1
<i>Bradybaena similaris</i>	Asian Tramp Snail	B	2
<i>Alyrodidae</i>	White Fly	Q	1
<i>Coccidae</i>	Scale	Q	1
<i>Coccus cappardis</i>	Cappardis Wax Scale	Q	1
<i>Dysmicoccus neobrevipes</i>	Pineapple Mealybug	Q	1
<i>Phloeotribus scarabaeiodes</i>	Olive Bark Beetle	Q	2
<i>Zachrysia provisoria</i>	Snail	Q	1



PEST INTERCEPTIONS - 2017

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 2013 - 2017

<u>Year</u>	<u>Total</u>	<u>A</u>	<u>B</u>	<u>Q</u>
2017	15	5	3	7
2016	10	5	3	2
2015	61	45	6	10
2014	58	37	10	11
2013	38	19	8	11

SUSTAINABLE AGRICULTURE - 2017

ORGANIC FARMING

210

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)	<u>Numbers</u>
Commercial	
Properties tested	2
Acres Sampled	52
Samples tested biochemically	190
"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>
2,113	1,450	21

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>Anagyrus Kamali</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)
Brown Garden	<i>Rumina decollate</i> (snail)
Snail	

OTHER

Enforcement of County Ordinances to control Lettuce Mosaic Virus, Agricultural Grading, Land Application of Manure and Biosolids, Cotton Plowdown, Blowing Dust, and Beekeeping.



**EDWARD DEAN MUSEUM
JUNE 2018**

RIVERSIDE COUNTY AGRICULTURE



GROWING FOR OUR FUTURE