

RIVERSIDE COUNTY
AGRICULTURAL PRODUCTION REPORT
2013



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New This Year

In a break from tradition, the 2013 Riverside County Agricultural Production Report will fully conform to the United States Department of Agriculture, National Agricultural Statistics Service recommended commodity designations, production units and value “rounding” guidelines.

For the past 87 years, our office has attempted to maintain local and regional distinctions in our annual report. In 2013, however, recognizing the increasingly global nature of our agricultural industry, we have decided to capitulate to the more structured and uniform metrics endorsed by USDA.

This modification will be most evident in three areas of the report. Some commodities or commodity groups will be renamed (example: “Royal Mandarins” is now “Mandarin/Tangerine”). Production units for all commodities will now be in tons, without regard to traditional shipping container sizes. And lastly, all calculated values will be rounded to avoid the impression of exactness that un-rounded numbers convey.

As you will see, in an attempt to promote meaningful comparisons, we have recalculated the 2012 values to conform to the new 2013 reporting format. For this reason, vigilant reviewers may note slight differences in the numbers found in last year’s report.





JOHN SNYDER
Agricultural Commissioner
Sealer of Weights & Measures

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It is with great pleasure that I present the 2013 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 value of Riverside County's agricultural commodities.

This year's report represents a total gross valuation of **\$1,327,804,000**, an increase of 6%, or \$74.7 million over the previous year. This establishes a new record for Riverside County.

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.

Crop values vary from year to year based on production, market fluctuations and weather. Each of our top ten fruit and vegetable commodities enjoyed increased values, due mainly to a combination of strong market prices and increased production. One notable decrease was seen in egg production, the result of recent changes in the number of production facilities located within Riverside County.

A key factor in Riverside County's agricultural strength is in the diversity of crops produced. This year's report includes more than 120 different commodities, forty-nine of which have a gross value in excess of \$1,000,000. Despite the multitude of challenges faced by agriculturalists, in 2013, Riverside County exported high-quality food and fiber to more than 50 countries worldwide.

Once again, we have included a "Crop Report Context" in order to illustrate the significance and overall value of the agricultural industry to the economy of Riverside County. The study concludes that agriculture contributed \$3.87 billion and over 25,000 jobs to the local economy.

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 to provide the vital information that enables the compilation of this report. While we continually strive to improve upon this information, without their assistance, this report would not be possible.

Respectfully submitted,

John Snyder
Agricultural Commissioner
Sealer of Weights and Measures

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Crop Report **CONTEXT**[™]

How Important Is Agriculture to the Local Economy?

Overview

Agriculture clearly plays a key role in maintaining a vibrant Riverside County economy. What remains unclear, however, is the true size of that role. Just how important is agriculture as a local economic driver? This section answers that important question, using multiple data sources and advanced economic modeling techniques. It goes beyond documenting the mere *state* of agriculture; it quantifies the *significance* of agriculture. The findings offer the fullest picture yet of agriculture's economic role in Riverside County, and should be of interest to policy makers, the public, and anyone who values a vibrant local economy.

The Mandate

Section 2279 of the California Food and Agriculture Code requires every county agricultural commissioner/sealer to compile reports of the "*condition, acreage, production, and value of the agricultural products in his county.*" Like other counties, Riverside has traditionally defined the word "value" as dollar value of production. For the third year now, we used 21st century economic analysis tools to capture the fuller "value" of Riverside County agriculture. This includes not just production, but also processing, multiplier effects, employment, and overall rank compared to other industries. In short, we're using new tools for an old mandate.

Our Approach

When it comes to economic analysis, it's important to examine *multiplier effects*, which are "ripples" that agriculture creates in the local economy. These ripples take two forms: *indirect effects* and *induced effects*. The first consists of "business to business" supplier purchases, such as farm equipment, fertilizer, seed, insurance, banking services, and other agricultural inputs. The second ripple type (*induced effects*) includes "consumption spending" by agriculture business owners and their employees. They buy housing, healthcare, leisure activities, and other things for their households. Quantifying these *multiplier effects* helps capture the fuller value of an economic sector such as agriculture.

About the Data & Analysis

Data for the analysis came from the U.S. Bureau of Economic Analysis and other federal government sources, and a widely used economic modeling program called IMPLAN (www.implan.com). Data are from 2012, the most recent year available. **Crop Report Context**[™] is a registered trademark of Agricultural Impact Associates LLC, which performed the analysis for this section (www.ag-impact.com).

Economic Output

- Including both the production and processing of food and fiber, what was agriculture's total, *direct* economic contribution to the county economy? **\$2.77 billion**
- What percent of the Riverside County's total *direct* economic output did agriculture provide? **2.5%**
- Based on this direct economic output, what was agriculture's *rank in size* compared to other county industries? **15th**
- What was the value of agriculture's *multiplier effects* from local expenditures by agricultural companies and their employees? **\$1.09 billion**
- Considering both direct output and multiplier effects, what was agriculture's *total economic contribution* to the county economy? **\$3.87 billion**
- How much did agricultural companies pay in indirect business taxes – which include excise taxes, property taxes, fees, licenses, and sales taxes but do not include taxes on profit or income? **\$22.4 million**

Employment

- How many jobs did Riverside County agriculture *directly* provide? **15,116 jobs**
- Just counting the direct employees, what percent of Riverside County's jobs were in agriculture? **1.82%, or about 1 out of every 55 workers**
- How many extra jobs did agriculture *indirectly* provide through expenditures by agricultural companies and their employees? **10,707 jobs**
- Added together, how many jobs did agriculture *directly* and *indirectly* provide? **25,823 jobs**

The Bottom Line. This section puts the annual **Crop Report** numbers into larger context, providing the fullest picture yet of agriculture's overall economic role in Riverside County. It shows agriculture to be a much larger economic engine than many people may have originally thought.



CITRUS CROPS

	Year	Planted Acreage	Harvested Acreage	Production		Unit	Value	
				Per Acre	Total		Per Unit	Total
Grapefruit-Red	2013	1,594	1,594	14.82	23,600	tons	535.30	12,633,000
By-Products	2013			2.77	4,420	tons	59.56	263,000
Grapefruit-Red	2012	2,665	2,584	13.89	35,900	tons	472.35	16,957,000
By-Products	2012			2.58	6,670	tons	61.18	408,000
Grapefruit-Ruby	2013	3,183	3,183	15.28	48,600	tons	481.10	23,381,000
By-Products	2013			2.67	8,500	tons	62.66	533,000
Grapefruit-Ruby	2012	2,925	1,803	16.78	30,300	tons	521.76	15,809,000
By-Products	2012			2.74	4,940	tons	62.94	311,000
Grapefruit-Other	2013	130	130	13.88	1,800	tons	408.61	735,000
By-Products	2013			2.37	308	tons	45.78	14,100
Grapefruit-Other	2012	155	145	13.07	1,900	tons	411.76	782,000
By-Products	2012			2.62	380	tons	64.71	24,600
Lemons	2013	5,753	5,623	14.88	83,700	tons	911.90	76,326,000
By-Products	2013			2.51	14,100	tons	96.37	1,359,000
Lemons	2012	6,180	5,408	13.76	74,400	tons	892.11	66,373,000
By-Products	2012			2.49	13,500	tons	93.16	1,258,000
Miscellaneous*	2013	54	54	3.85	208	tons	1,938.24	403,000
Miscellaneous*	2012	41	41	5.36	220	tons	976.00	214,000
Oranges-Navel	2013	1,309	1,309	11.48	15,000	tons	349.17	5,238,000
By-Products	2013			4.83	6,320	tons	49.41	312,000
Oranges-Navel	2012	1,360	1,290	8.98	11,600	tons	478.40	5,549,000
By-Products	2012			4.31	5,560	tons	84.80	471,000
Oranges-Valencia	2013	1,321	1,314	9.04	11,900	tons	311.46	3,706,000
By-Products	2013			2.28	3,000	tons	68.06	204,000
Oranges-Valencia	2012	2,166	2,133	5.03	10,700	tons	274.67	2,939,000
By-Products	2012			2.08	4,440	tons	107.73	478,000
Mandarins / Tangerines	2013	2,024	2,004	5.77	11,600	tons	1,318.53	15,295,000
By-Products	2013			1.84	3,690	tons	104.18	384,000
Mandarins / Tangerines	2012	1,782	1,782	6.10	10,900	tons	1,181.64	12,880,000
By-Products	2012			1.73	3,080	tons	117.91	363,000
Tangelos	2013	361	283	6.47	1,830	tons	841.50	1,540,000
By-Products	2013			2.43	688	tons	113.33	78,000
Tangelos	2012	224	224	5.45	1,220	tons	696.67	850,000
By-Products	2012			2.15	482	tons	91.33	44,000
TOTAL	2013	15,729	15,494					142,404,000
	2012	17,498	15,410					125,711,000

* Includes: Kumquats, Limes, Blood Oranges.

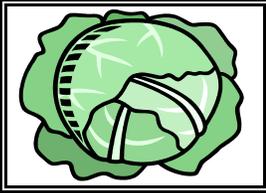


TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production			Value	
				Per Acre	Total	Unit	Per Unit	Total
Apples	2013	31	31	2.88	89	tons	1,033.05	91,900
	2012	23	23	1.94	45	tons	807.00	36,300
Apricots	2013	17	17	2.26	38	tons	1,105.00	42,000
	2012	16	16	1.26	20	tons	1,468.80	29,400
Avocados	2013	6,483	6,463	3.74	24,200	tons	1,702.75	41,207,000
	2012	6,337	6,310	3.64	23,000	tons	1,694.62	38,976,000
Cherries	2013	28	28	1.97	55	tons	1,999.23	110,000
	2012	28	28	1.69	47	tons	1,627.69	76,500
Dates	2013	8,660	7,600	3.15	23,900	tons	1,900.00	45,410,000
Culls	2013			0.25	1,900	tons	80.00	152,000
Dates	2012	8,665	8,250	3.25	26,800	tons	1,567.00	41,996,000
Culls	2012			0.24	1,980	tons	75.65	150,000
Grapes - Table*	2013	8,293	7,832					125,450,000
(Total)	2012	8,013	7,535					117,274,000
								Listed by Variety below.
Beauty Seedless	2013	49	49	6.30	309	tons	2,573.33	795,000
	2012	63	63	3.68	232	tons	2,602.22	604,000
Exotic	2013	30	30	6.67	200	tons	2,000.00	400,000
	2012	25	25	4.68	117	tons	1,555.56	182,000
Flame Seedless	2013	3,900	3,519	9.58	33,700	tons	2,016.67	67,962,000
	2012	3,900	3,521	7.24	25,500	tons	2,456.67	62,645,000
Perlette	2013	81	81	7.20	583	tons	2,555.56	1,490,000
	2012	81	81	3.60	292	tons	2,222.22	649,000
Thompson Seedless	2013	69	69	6.54	451	tons	2,650.00	1,195,000
	2012	159	159	9.81	1,560	tons	1,868.89	2,915,000
Other Varieties	2013	4,164	4,084	6.19	25,300	tons	2,118.89	53,608,000
	2012	3,785	3,686	6.64	24,500	tons	2,052.22	50,279,000
Grapes - Wine	2013	2,671	2,671	4.01	10,700	tons	1,274.21	13,634,000
	2012	2,918	2,744	3.14	8,620	tons	1,240.87	10,696,000
Miscellaneous**	2013	454	418	7.56	3,160	tons	1,286.13	4,064,000
	2012	496	383	6.02	2,310	tons	2,515.69	5,811,000
Peaches	2013	174	147	7.71	1,133	tons	2,019.54	2,289,000
	2012	154	152	6.24	948	tons	2,234.55	2,118,000
Persimmons	2013							Miscellaneous
	2012	12	11	4.32	48	tons	1,050.00	50,400
Pomegranates	2013	15	15	8.99	135	tons	637.32	86,000
	2012							Miscellaneous
TOTAL	2013	26,826	25,222					232,536,000
	2012	26,662	25,452					217,214,000

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

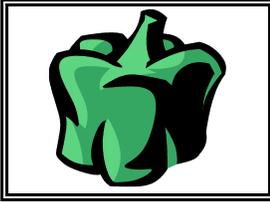
** Includes: Cherimoya, Figs, Jujube, Mangoes, Nectarines, Olive, Pear, Plums, Persimmons, Walnut.



VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Artichokes	2013	583	7.56	4,410	tons	1,270.58	5,603,000
	2012	543	8.75	4,750	tons	1,316.52	6,253,000
Beans-Green	2013	1,078	6.88	7,420	tons	1,283.16	9,521,000
	2012	938	5.25	4,920	tons	1,399.33	6,885,000
Broccoli	2013	2,199	6.64	14,600	tons	751.67	10,974,000
	2012	2,535	6.18	15,700	tons	591.30	9,283,000
Cabbage	2013	97	18.53	1,800	tons	364.99	657,000
	2012	115	17.08	1,960	tons	295.20	579,000
Carrots	2013	3,151	37.65	119,000	tons	128.92	15,341,000
	2012	2,587	42.00	109,000	tons	155.16	16,912,000
Cauliflower	2013	1,128	9.17	10,300	tons	804.18	8,283,000
	2012	1,272	8.27	10,500	tons	811.30	8,519,000
Celery	2013	619	36.08	22,300	tons	426.31	9,507,000
	2012	522	35.34	18,400	tons	401.00	7,378,000
Corn-Sweet	2013	2,095	9.55	20,000	tons	463.03	9,261,000
	2012	2,759	8.12	22,400	tons	449.78	10,075,000
Eggplant	2013	406	16.32	6,630	tons	719.45	4,770,000
	2012	349	11.64	4,060	tons	1,040.00	4,222,000
Lettuce							
Head	2013	1,220	11.43	13,900	tons	411.19	5,716,000
	2012	1,366	11.25	15,400	tons	281.20	4,330,000
Loose Leaf	2013	1,839	10.93	20,100	tons	706.84	14,207,000
	2012	1,136	7.62	8,660	tons	910.91	7,888,000
Romaine	2013	2,134	13.32	28,400	tons	588.14	16,703,000
	2012	2,336	12.64	29,500	tons	485.71	14,328,000
Melons							
Cantaloupe	2013	957	10.80	10,300	tons	337.50	3,476,000
	2012	875	14.24	12,500	tons	322.00	4,025,000
Crenshaw	2013	11	3.34	37	tons	505.41	18,700
	2012	26	8.54	222	tons	440.00	97,700
Honeydew	2013	1,133	10.80	12,200	tons	329.66	4,022,000
	2012	958	14.83	14,200	tons	366.90	5,210,000
Mixed*	2013	466	16.16	7,530	tons	392.86	2,958,000
	2013	766	11.29	8,650	tons	440.00	3,806,000

* 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	2013	1,544	27.24	42,100	tons	429.82	18,095,000
	2012	1,339	23.00	30,800	tons	550.00	16,940,000
Miscellaneous**	2013	2,352	8.77	20,600	tons	627.01	12,916,000
	2012	2,494	6.40	16,000	tons	748.82	11,981,000
Onions-Dry	2013	138	37.75	5,210	tons	348.22	1,814,000
	2012	100	37.50	3,750	tons	400.00	1,500,000
Oriental Vegetables	2013	3,366	10.67	35,900	tons	833.10	29,908,000
	2012	2,564	7.00	17,900	tons	700.00	12,530,000
Peppers							
Bell	2013	4,668	17.82	83,200	tons	974.00	81,037,000
	2012	5,021	16.29	81,800	tons	904.67	74,002,000
Potatoes							
Fall	2013	690	14.11	9,740	tons	244.40	2,380,000
	2012	1,380	12.30	17,000	tons	241.60	4,107,000
Spring	2013	6,045	10.62	64,200	tons	229.52	14,735,000
	2012	5,844	7.80	45,600	tons	327.20	14,920,000
Radishes	2013	350	17.58	6,150	tons	328.59	2,021,000
	2012						Miscellaneous
Spices/Herbs	2013	1,050	6.51	6,840	tons	1,008.82	6,900,000
	2012	761	1,448.00	1,102,000	various	3.93	4,331,000
Spinach	2013	1,355	12.44	16,900	tons	838.03	14,163,000
	2012	1,455	10.37	15,100	tons	828.67	12,513,000
Squash, All	2013	387	10.67	4,130	tons	615.26	2,541,000
	2012	40	8.70	348	tons	656.00	228,000
Strawberries	2013	592	21.70	12,800	tons	2,158.07	27,623,000
	2012	430	22.80	9,800	tons	1,666.67	16,333,000
Tomatoes	2013	286	19.88	5,690	tons	923.69	5,256,000
	2012	297	20.82	6,180	tons	1,142.00	7,058,000
TOTAL							
	2013	41,939					340,407,000
	2012	40,808					286,234,000

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



FIELD AND SEED CROPS

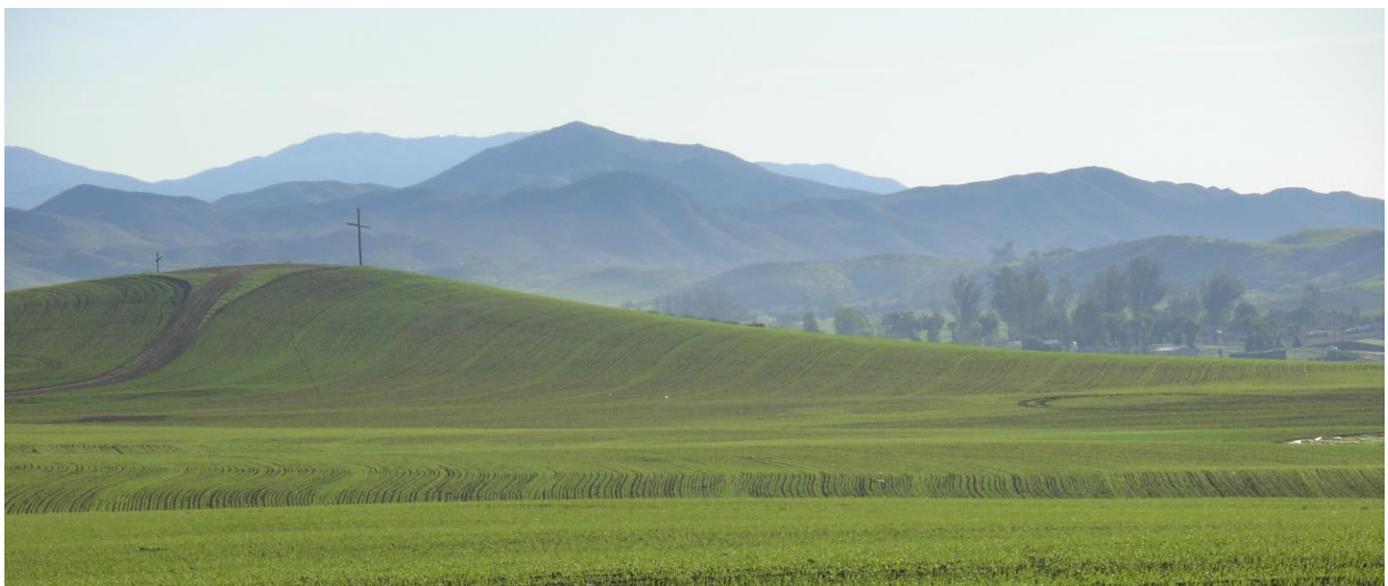
	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Cotton							
Short Staple	2013	15,031	1.16	17,400	tons	1,508.82	26,253,000
	2012	16,042	1.04	16,700	tons	1,640.00	27,388,000
Seed	2013		1.76	26,500	tons	260.00	6,890,000
	2012		2.30	36,900	tons	220.00	8,118,000
Grain							
Barley	2013	503	1.71	860	tons	123.45	106,000
	2012			Miscellaneous			
Milo	2013			Miscellaneous			
	2012	103	18.00	1,850	tons	30.00	55,500
Oats	2013	2,398	0.58	1,390	tons	238.00	331,000
	2012	515	1.00	515	tons	400.00	206,000
Wheat	2013	10,128	2.59	26,200	tons	290.83	7,620,000
	2012	17,399	0.82	14,300	tons	302.52	4,326,000
Hay							
Alfalfa	2013	55,948	8.56	479,000	tons	191.59	91,772,000
	2012	47,933	8.70	417,000	tons	213.04	88,838,000
Bermuda Grass	2013	1,991	8.45	16,800	tons	167.00	2,806,000
	2012	1,984	7.06	14,000	tons	209.00	2,926,000
Four Way	2013	80	2.76	221	tons	221.72	49,000
	2012	211	3.85	812	tons	206.40	168,000
Klein Grass	2013	2,327	9.70	22,600	tons	191.00	4,317,000
	2012	1,956	9.60	18,800	tons	142.04	2,670,000
Oats	2013	1,731	1.96	3,390	tons	161.31	547,000
	2012	2,703	1.53	4,140	tons	200.42	830,000
Sudan	2013	1,551	5.44	8,440	tons	176.03	1,486,000
	2012	2,426	3.89	9,440	tons	193.58	1,827,000
Miscellaneous*	2013	1,432	1.63	2,330	tons	50.96	119,000
	2012	251	1.77	444		164.30	73,000
Pasture-Irrigated	2013	3,153			acres	129.85	409,000
	2012	2,163			acres	120.00	260,000
Rangeland	2013	15,000			acres	2.00	30,000
	2012	25,000			acres	1.90	47,500

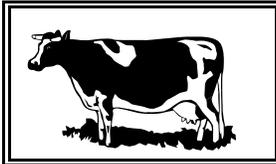


FIELD AND SEED CROPS

Year	Harvested Acreage	Production		Value		Total	
		Per Acre	Total	Unit	Per Unit		
Silage and Green Chop							
Alfalfa	2013	3,257	15.00	48,900	tons	56.90	2,782,000
	2012	2,077	42.00	87,200	tons	57.00	4,970,000
Corn	2013	1,753	37.87	66,400	tons	59.41	3,945,000
	2012	618	24.02	14,800	tons	54.10	801,000
Oats	2013	855	8.00	6,840	tons	60.00	410,000
	2012	778	8.00	6,220	tons	60.00	373,000
Sorghum	2013	1,681	15.00	25,200	tons	45.00	1,134,000
	2012	832	15.00	12,500	tons	45.00	563,000
Sudan	2013				Miscellaneous		
	2012	415	14.00	5,810	tons	48.00	279,000
Rye Grass	2013	1,590	23.00	36,600	tons	23.00	842,000
	2012				Miscellaneous		
Triticale	2013	2,255	2.98	6,720	tons	178.86	1,202,000
	2012	2,878	8.50	24,500	tons	49.50	1,213,000
Wheat	2013	5,250	5.50	28,900	tons	53.00	1,532,000
	2012	4,876	5.50	26,800	tons	53.00	1,420,000
TOTAL	2013	127,914					154,582,000
	2012	131,160					147,352,000

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

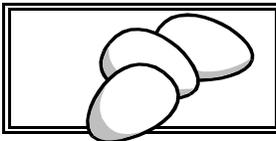




LIVESTOCK AND POULTRY

Year	Number of Head	Total Liveweight	Unit	Value		
				Per Unit	Total	
Cattle and Calves	2013	23,700	139,000	cwt	118.50	16,472,000
	2012	24,400	143,000	cwt	115.00	16,445,000
Sheep and Lambs	2013	9,010	11,700	cwt	124.60	1,458,000
	2012	9,290	12,000	cwt	120.97	1,452,000
Other*	2013			various		1,247,000
	2012			various		1,247,000
TOTAL	2013					19,177,000
	2012					19,144,000

* Includes Baby Chicks, Chickens, Ducks, Pheasants.

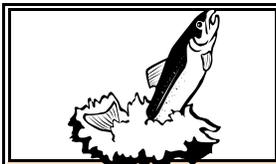


LIVESTOCK AND POULTRY PRODUCTS

Year	Production	Unit	Value		
			Per Unit	Total	
Eggs	2013	75,427,000	dozen	0.89	67,130,000
	2012	100,569,000	dozen	0.82	82,467,000
Milk*	2013	9,455,000	cwt	18.22	172,270,000
	2012	10,278,000	cwt	16.91	173,801,000
Other Products**	2013				1,106,000
	2012				1,141,000
TOTAL	2013				240,506,000
	2012				257,409,000

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

**Includes Wool, Manure.



AQUACULTURE

Year	Production	Unit	Value		
			Per Unit	Total	
Catfish	2013	287,000	lbs	2.50	718,000
	2012	200,000	lbs	2.25	450,000
Miscellaneous*	2013		various		391,000
	2012		various		376,000
Tilapia	2013	1,310,000	lbs	0.88	1,153,000
	2012	1,275,000	lbs	2.65	3,379,000
Total	2013				2,262,000
	2012				4,205,000

* Includes Goldfish, Koi, Tropical Fish, Bass.



NURSERY STOCK PRODUCTION

	Year	Acres	Production	Unit	Valuation
Ornamental Nursery Stock	2013	5,383	47,432,000	various	167,876,000
	2012	4,717	54,669,000	various	169,065,000
Cut Flowers* / Cut Greens	2013	206	2,815,000	cuttings	2,164,000
	2012	214	3,874,000	cuttings	2,795,000
Christmas Trees (cut)	2013	75	4,110	each	312,000
	2012	49	2,620	each	200,000
Turf	2013	1,961	81,208,000	square feet	16,151,000
	2012	1,601	69,330,000	square feet	14,911,000
Farm Planting Stock	2013	76	150,000	various	4,712,000
	2012	80	158,000	various	3,907,000
TOTAL	2013	7,701			191,215,000
	2012	6,661			190,878,000



APICULTURE

	Year	Production	Unit	Value	
				Per Unit	Total
Honey	2013	780,000	lbs	1.98	1,544,000
	2012	1,000,000	lbs	1.82	1,820,000
Beeswax	2013	14,900	lbs	2.52	37,500
	2012	20,000	lbs	2.17	43,400
Fees Collected for Pollination	2013	22,700	colonies	138.00	3,133,000
	2012	20,800	colonies	150.00	3,120,000
Total Colonies	2013	33,750			
	2012	33,800			
TOTAL	2013				4,715,000
	2012				4,983,000

DISTRICT VALUATIONS - AGRICULTURAL CROPS

District	2009	2010	2011	2012	2013
Riverside/Corona	82,565,000	79,207,000	121,652,000	111,308,000	110,078,000
San Jacinto/Temecula Valley	130,157,000	137,757,000	156,362,000	157,747,000	165,035,000
Coachella Valley	484,826,000	533,846,000	526,338,000	543,658,000	615,621,000
Palo Verde Valley	92,797,000	98,597,000	171,179,000	155,320,000	167,701,000
Total Crop Valuation	790,345,000	849,407,000	975,531,000	968,033,000	1,058,435,000

ACREAGE STATISTICS

Crop	2009	2010	2011	2012	2013
Citrus	17,355	17,105	16,808	17,498	15,729
Tree and Vine	27,979	27,745	28,401	26,662	26,826
Vegetable, Melons, Misc.	30,902	38,570	37,692	40,808	41,939
Field and Seed	117,140	117,743	119,703	131,160	127,914
Nursery	8,690	8,750	7,106	6,661	7,701
Total Planted Acreage	202,066	209,913	209,710	222,789	220,109

TOTAL VALUATION - F.O.B.

Crop	2009	2010	2011	2012	2013
Citrus	101,652,000	140,500,922	119,942,513	125,711,000	142,404,000
Tree and Vine	191,682,600	164,993,960	232,649,262	217,214,000	232,536,000
Vegetable, Melons, Misc.	221,286,700	292,002,337	278,628,295	286,234,000	340,407,000
Field and Seed	69,699,800	81,328,229	149,198,052	147,352,000	154,582,000
Nursery	206,499,900	169,341,300	200,154,964	190,878,000	191,215,000
Apiculture	5,017,600	4,631,700	4,844,400	4,983,000	4,715,000
Aquaculture	5,243,900	4,921,700	4,808,250	4,205,000	2,262,000
Total Crop	801,082,500	857,720,148	990,225,736	976,577,000	1,068,121,000
Livestock and Poultry	214,672,800	235,926,225	292,030,380	276,553,000	259,683,000
GRAND TOTAL	1,015,755,300	1,093,646,373	1,282,256,116	1,253,130,000	1,327,804,000

PRODUCTION VALUATION CHANGES 2012 TO 2013

<u>Crop</u>	<u>2013</u>	<u>2012</u>	<u>Value Change (\$)</u>	<u>Percentage Change</u>
Citrus	142,404,000	125,711,000	16,693,000	13.3%
Tree and Vine	232,536,000	217,214,000	15,322,000	7.1%
Vegetables	340,407,000	286,234,000	54,173,000	18.9%
Field and Seed	154,582,000	147,352,000	7,230,000	4.9%
Nursery	191,215,000	190,878,000	337,000	0.2%
Apiculture	4,715,000	4,983,000	(268,000)	-5.4%
Aquaculture	2,262,000	4,205,000	(1,943,000)	-46.2%
All Agriculture	1,068,121,000	976,577,000	91,544,000	9.4%
Livestock and Poultry	259,683,000	276,553,000	(16,870,000)	-6.1%
Grand Total	1,327,804,000	1,253,130,000	74,674,000	6.0%

RIVERSIDE COUNTY LEADING AGRULTURAL VALUATIONS

2012

1	Nursery Stock	\$190,878,000
2	Milk	173,801,000
3	Table Grapes	117,274,000
4	Hay	97,259,000
5	Eggs	82,467,000
6	Bell Peppers	74,002,000
7	Lemons	67,631,000
8	Dates	42,146,000
9	Avocados	38,976,000
10	Cotton	35,506,000
11	Grapefruit	34,292,000
12	Potatoes	19,027,000
13	Watermelon	16,940,000
14	Carrots	16,912,000
15	Cattle / Calves	16,445,000
16	Strawberries	16,333,000
17	Romaine Lettuce	14,328,000
18	Mandarins	13,243,000
19	Oriental Vegetables	12,530,000
20	Spinach	12,513,000

2013

1	Nursery Stock	\$191,215,000
2	Milk	172,270,000
3	Table Grapes	125,623,000
4	Hay	100,977,000
5	Bell Peppers	81,037,000
6	Lemons	77,685,000
7	Eggs	67,130,000
8	Dates	45,410,000
9	Avocados	41,207,000
10	Grapefruit	37,559,000
11	Cotton	33,143,000
12	Oriental Vegetables	29,908,000
13	Strawberries	27,623,000
14	Watermelon	18,095,000
15	Potatoes	17,115,000
16	Romaine Lettuce	16,703,000
17	Cattle / Calves	16,472,000
18	Mandarins / Tangerines	15,679,000
19	Carrots	15,341,000
20	Loose Leaf Lettuce	14,207,000

CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

2011

<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>
1	Fresno	6,884,582,000
2	Tulare	5,629,264,000
3	Kern	5,364,363,000
4	Monterey	3,922,035,000
5	Merced	3,259,866,000
6	Stanislaus	3,069,823,000
7	San Joaquin	2,246,920,000
8	Kings	2,219,529,000
9	Imperial	1,964,087,000
10	Ventura	1,841,247,000
11	San Diego	1,683,740,000
12	Madera	1,569,239,000
13	Riverside	1,282,256,000
14	Santa Barbara	1,194,379,000

2012

<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>
1	Fresno	6,586,523,000
2	Kern	6,211,987,000
3	Tulare	6,210,479,000
4	Monterey	4,137,860,000
5	Merced	3,280,201,000
6	Stanislaus	3,277,843,000
7	San Joaquin	2,881,441,000
8	Kings	2,215,014,000
9	Ventura	1,960,741,000
10	Imperial	1,945,759,000
11	San Diego	1,747,061,000
12	Madera	1,739,186,000
13	Santa Barbara	1,291,009,000
14	Riverside	1,253,130,000

RIVERSIDE COUNTY AGRICULTURAL PRODUCTION VALUES 2004 - 2013

<u>YEAR</u>	<u>VALUE</u>	<u>STATE RANK</u>
2004	\$1,131,605,000	12
2005	\$1,168,671,000	12
2006	\$1,102,438,000	12
2007	\$1,265,063,000	12
2008	\$1,268,590,000	13
2009	\$1,015,755,000	13
2010	\$1,093,646,000	14
2011	\$1,282,256,000	13
2012	\$1,253,130,000	14
2013	\$1,327,804,000	14





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2013 MILLION DOLLAR COMMODITIES

<u>Rank</u>	<u>Commodity</u>	<u>Value</u>
1	Nursery Stock	\$191,215,000
2	Milk	172,270,000
3	Table Grapes	125,623,000
4	Hay	100,977,000
5	Bell Peppers	81,037,000
6	Lemons	77,685,000
7	Eggs	67,130,000
8	Dates	45,410,000
9	Avocados	41,207,000
10	Grapefruit	37,559,000
11	Cotton	33,143,000
12	Oriental Vegetables	29,908,000
13	Strawberries	27,623,000
14	Watermelon	18,095,000
15	Potatoes	17,115,000
16	Romaine Lettuce	16,703,000
17	Cattle / Calves	16,472,000
18	Mandarins / Tangerines	15,679,000
19	Carrots	15,341,000
20	Loose Leaf Lettuce	14,207,000
21	Spinach	14,163,000
22	Silage	11,847,000
23	Wine Grapes	13,634,000
24	Broccoli	10,974,000
25	Green Beans	9,521,000
26	Celery	9,507,000
27	Sweet Corn	9,261,000
28	Cauliflower	8,283,000
29	Wheat - Grain	7,620,000
30	Spices / Herbs	6,900,000
31	Head Lettuce	5,716,000
32	Artichoke	5,603,000
33	Navel Oranges	5,550,000
34	Tomatoes	5,256,000
35	Eggplant	4,770,000
36	Apiculture	4,715,000
37	Honeydew Melon	4,022,000
38	Valencia Orange	3,910,000
39	Cantaloupe	3,476,000
40	Mixed Melon	2,958,000
41	Squash	2,541,000
42	Peaches	2,221,000
43	Radishes	2,021,000
44	Onions - Dry	1,814,000
45	Tangelos	1,618,000
46	Sheep and Lambs	1,458,000
47	Other Livestock	1,247,000
48	Tilapia	1,153,000
49	Other Livestock Products	1,106,000

SUSTAINABLE AGRICULTURE - 2013

ORGANIC FARMING

144 Organic producers registered in Riverside County

PEST DETECTION (Commercial and Urban)

<u>Activity</u>	<u>Hours</u>
Commercial Crops	2,006
Public Contact	53
Special Surveys:	
Red Imported Fire Ant	4
Other	39
Citrus Tristeza Indexing (Coachella Valley)	<u>Numbers</u>
Commercial	
Properties tested	2
Acres Sampled	50
Samples tested biochemically	194
"Positive" samples	0

PEST DETECTION (Exotic Insects)

<u>Pest</u>	<u>Trap Servicing</u>
European Grape Vine Moth	9,182
Light Brown Apple Moth	537
European Corn Borer	170
Pink Hibiscus Mealybug	106
Khapra Beetle	107

Pest Exclusion (Incoming plant shipments)

<u>Units Profiled</u>	<u>Units inspected</u>	<u>Rejections</u>
4,512	2,076	27

PEST ABATEMENT / HOLD NOTICES

<u>Pest</u>	<u>Properties</u>
California Red Scale	12
Asian Citrus Psyllid	22
Sting Nematode	0
Citrus Tristeza Virus	0
Glassy-Winged Sharpshooter	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>Eucarisia 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 Scale	<i>Encarisia sp.</i> (wasp)
Eucalyptus	<i>Cryptochaetum iceyae</i> (fly)
Long-horned Borer	<i>Aventianella longoi</i> (wasp)
	<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>Galendromus helveolus</i> (mite)
	<i>Galendromus pilosus</i> (mite)
Red Gum Lerp	<i>Plyllaephagus bliteus</i> (wasp)
Psyllid	
Red Imported Fire Ant	<i>Beauveria bassiana</i> (fungus)
Ant	<i>Pseudacteon tricuspis</i> (fly)
Two Spotted Spider Mite	<i>Phytoseiulus persimilis</i> (mite)
Vine Mealybug	<i>Galendromus occidentalis</i> (mite)
	<i>Cryptolaemus montrouzieri</i> (beetle)
Western Grapeleaf Skeletonizer	<i>Ametadoria harrisinae</i> (parasitoid)
	<i>Apanteles harrisinae</i> (wasp)
Woolly Whitefly	<i>Amitus spiniferus</i> (parasitoid)
	<i>Cales noacki</i> (parasitoid)
Brown Garden Snail	<i>Rumina decollate</i> (snail)

OTHER

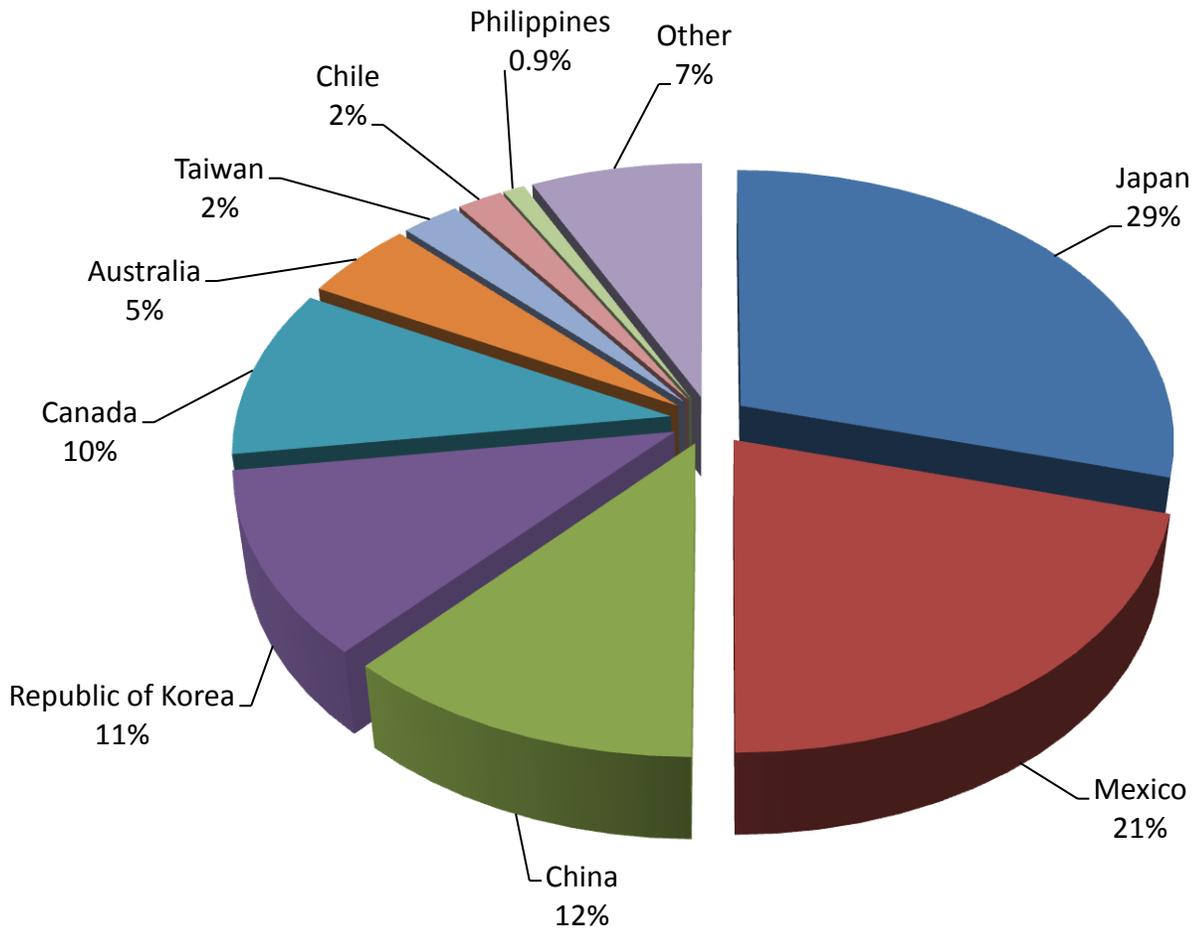
Enforcement of County Ordinances to control Lettuce Mosaic Virus, Agricultural Grading, Land Application of Manure and Biosolids, Cotton Plowdown, Blowing Dust, and Beekeeping.

PHYTOSANITARY EXPORT CERTIFICATION - 2013

All Export Countries

Australia	Ecuador	Japan	Portugal
Barbados	El Salvador	Republic of Korea	Qatar
Belize	Fiji	Lebanon	Singapore
Bermuda	France	Malaysia	South Africa
Brazil	French Polynesia	Mexico	Spain
Cambodia	Germany	Morocco	Sri Lanka
Canada	Greece	Nambia	Suriname
Chile	Guatemala	Netherlands	Taiwan
China	Honduras	New Caledonia	Thailand
Colombia	Hong Kong	New Zealand	Trinidad and Tobago
Costa Rica	India	Nigeria	Turkey
Denmark	Indonesia	Panama	Uganda
Dominica	Israel	Peru	United Arab Emirates
Dominican Republic	Jamaica	Philippines	Viet Nam

Top Ten Export Countries



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

PHYTOSANITARY EXPORT CERTIFICATION - 2013

All Export Comodities

Alfalfa	Chives	Yucca	Rosemary
Almond	Cilantro	Mandarin/Tangerine	Sage
Apple	Corn	Mango	Savory
Artichoke	Cotton	Melon	Spinach
Avocado	Date Palm	Mint	Sudan Grass
Basil	Dates	Raisin	Sunflower
Bermuda Grass	Dill	Oat	Tangelo
Balackeyed Pea	Douglas Fir	Orange	Thyme
Broccoli	Eucalyptus	Oregano	Tomato
Cantaloupe	Grape	Ornamental Nursery Stock	Walnut
Carrot	Grapefruit	Pea	Watermelon
Cauliflower	Klein Grass	Pepper	White Fir
Celery	Lemon	Pomegranate	Wood
Cherry	Lettuce	Potato	

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



PEST INTERCEPTIONS - 2013

<u>Scientific Name</u>	<u>Common Name</u>	<u>Pest Rating</u>	<u>Interceptions</u>
<i>Solenopsis invicta</i>	Red Imported Fire Ant	A	16
<i>Coccus viridis</i>	Green Scale	A	1
<i>Fusarium oxysporum</i>	Palm Wilt	A	1
<i>Fusarium osysporum canariensis</i>	Palm Wilt	A	1
<i>Aonideilla aurantii</i>	California Red Scale	B	7
<i>Heterogaster urticae</i>	Nettle Ground Bug	B	1
<i>Erysiphe limonii</i>	Powdery Mildew	Q	2
<i>Brachynotocoris puncticornis</i>	Plant Bug	Q	2
<i>Agonoscena succincta</i>	Psyllid	Q	1
<i>Dendrothrips howei</i>	Thrips	Q	1
<i>Paracoccus sp.</i>	A Mealybug	Q	2
<i>Miscanthicoccus miscanthi</i>	Grass Mealybug	Q	1
<i>Delottococcus confusus</i>	A Mealybug	Q	1
<i>Scirtothrips sp.</i>	Thrips	Q	1

PEST INTERCEPTIONS - 2013

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 2009 - 2013

<u>Year</u>	<u>Total</u>	<u>A</u>	<u>B</u>	<u>Q</u>
2013	38	19	8	11
2012	84	24	16	44
2011	92	36	12	44
2010	38	4	11	23
2009	131	58	39	34

RIVERSIDE COUNTY
AGRICULTURAL COMMISSIONER'S OFFICE

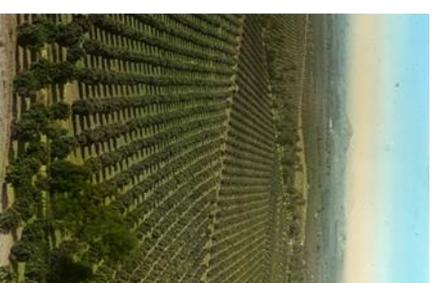
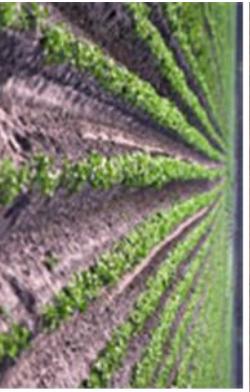


DECEMBER 2013

Notes

Riverside County
Agricultural Commissioner's Office
P.O. Box 1089
Riverside, CA 92502-1089

RIVERSIDE COUNTY AGRICULTURE



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