

RIVERSIDE COUNTY

AGRICULTURAL PRODUCTION REPORT

2012



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On the Cover

Featured on this year's cover is a screen-shot of the recently launched Riverside County Ag Trail website. Though not the first in California, at over 400 miles, ours is unquestionably the longest Ag Trail in the state.

Riverside County represents a veritable agricultural cornucopia. Our unique geography and climate, as exemplified by the Palms to Pines Highway, allows Riverside County growers to practice virtually every form of agriculture known in the state of California.

Beginning in Blythe, one can observe large plantings of field crops, such as alfalfa, cotton and wheat. Traveling through the Coachella Valley can be very similar to visiting California's Central Valley on Interstate 5 or Highway 99. Row upon row of every vegetable found in your salad bowl, including bell peppers, cauliflower, broccoli, carrots and artichokes. Fish farms, also known as aquaculture, dot the Coachella Valley and produce tilapia, catfish, bass, goldfish and koi. The Temecula wine area rivals Napa Valley in its beauty and its propensity to produce award winning wines. Hemet, Riverside and Corona still boast hundreds of acres of the Navel Oranges that originally brought fame and fortune to Southern California.

Interspersed within these more traditional agricultural sites one can explore various agritourism venues such as Christmas tree farms, pumpkin patches, Certified Farmers' Markets and roadside fruit and vegetable stands.

Of particular note to out-of-town visitors are the ever popular National Date Festival, the Coachella Valley Date Museum and the California State Citrus Historic Park.

Whether as an educational field trip, a holiday treat or just to enjoy a date shake, the Riverside County Ag Trail is an opportunity to see the bounty and beauty of Riverside County agriculture. It also promises an opportunity to visit with the men and women that represent the many, diversified faces of agriculture that produce the food we enjoy each and every day.

agtrail.rivcoca.org



JOHN SNYDER

Agricultural Commissioner
Sealer of Weights & Measures

AGRICULTURAL COMMISSIONER'S OFFICE

4080 LEMON STREET, ROOM 19
P.O. BOX 1089
RIVERSIDE, CA 92502-1089
PHONE (951) 955-3000
FAX (951) 955-3012
www.rivcoag.org

WEIGHTS & MEASURES DIVISION

2950 WASHINGTON STREET
P.O. BOX 1480
RIVERSIDE, CA 92502-1480
PHONE (951) 955-3030
FAX (951) 276-4728

Karen Ross, Secretary

California Department of Food and Agriculture

The Honorable Board of Supervisors of Riverside County

John Benoit, Chairman, District 4

Kevin Jeffries, District 1

John Tavaglione, District 2

Jeff Stone, District 3

Marion Ashley, District 5

I am pleased to submit the 2012 Agricultural Production Report for the acreage, yield and gross valuation of agricultural crops and livestock for Riverside County.

This year's report represents a total gross valuation of \$1,252,730,071, trailing last year's record-setting valuation with just a slight 2.3% decline.

Crop values vary from year to year based on production, market fluctuations and weather. In 2012, most commodities performed quite well and remained at near record valuations. Interestingly, three of our top five commodities experienced decreases in value. Nursery Stock, still our highest valued commodity fell 4.6% to \$190.9 million. Milk values dropped 9.4% to \$173.8 million and remained in second place, followed by Table Grapes, valued at \$117.2 million. Hay remained in the number four position after a 3.8% decline and is valued at \$97.2 million. Eggs replaced bell peppers in 2012's top five with a value of \$82.5 million.

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.

Once again, we have included a "Crop Report Context" to illustrate the significance and overall value of the agricultural industry to the economy of Riverside County. The study concludes that agriculture contributed \$4.16 billion and over 28,000 jobs to the local economy.

Our cover this year highlights the Riverside County Ag Trail. This collaborative effort, introduced by Supervisors Benoit and Stone, was led by the Riverside County Economic Development Agency with input from Riverside County Information Technology, Environmental Health and the Agricultural Commissioner's Office, the Riverside County Farm Bureau and the Coachella Valley chapter of California Women for Agriculture. The centerpiece of this project is a website (agtrail.rivcoca.org) featuring agritourism opportunities throughout Riverside County. I encourage everyone to log on, choose a fresh, fun and festive activity and pay a visit to one of the great agricultural destinations included on the Ag Trail.

I wish to express my sincere appreciation to the producers, processors, and agencies that have generously provided the information necessary for the compilation of this report. I would also like to thank all of the members of my staff for their contributions toward the preparation of this report.

Respectfully submitted,

John Snyder
Agricultural Commissioner
Sealer of Weights and Measures

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STAFF MEMBERS - 2012

Agricultural Commissioner / Sealer of Weights and Measures

John Snyder

Executive Assistant

Patrice Wyatt

Assistant Agricultural Commissioner / Sealer of Weights and Measures

G. Dustin Wiley

Deputy Agricultural Commissioner / Sealer

Ron Bray

Bill Oesterlein

Robert Mulherin

Bill Tracy

Supervising Agricultural & Standards Investigaors

Don Domenigoni

Suzanne Nickau

Erin Freeman

Keith Selnick

Dean Gottlieb

Agricultural & Standards Investigators

Rick Allert

Kevin Doi

Ting Hsiung

Harry Loukatos

Abel Atanaw

Eric Downs

Yadira Jimenez

Victor Miranda

Megan Barron

Jacquelyne Drainville

Delia Jimenez-Cioc

Diana Nguyen

Lucy Candelario

Tom Finan

Charles Kregl

Jose Quintero

Jennifer Chandler

Julius Francisco

Mike Lahti

Hugo Soto

Ven Chien

Gabriel Gowman

Brian Larson

Michele Tracy

Courtney Cooper

Charles Hardesty

Jeremy Larson

Stephanie Van Stockum

Andrea Dillon

Tom Hought

Arturo Lomeli

David Womack

Weights and Measures Inspectors

Steve Bennett

Doug Simmons

Clerical Support Staff

Kelly Briggs

Cynthia Ramos

Tara Buffington

Veronica Sanchez

Elisa Montiel

Student Interns

Ian Ice

Nicholas Janzen

2012 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 second 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 2011, 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).

2012 Crop Report CONTEXT™

Economic Output

- Including both the production and processing of food and fiber, what was agriculture's total, *direct* economic contribution to the county economy? **\$2.94 billion**
- What was the value of agriculture's *multiplier effects* from local expenditures by agricultural companies and their employees? **\$1.22 billion**
- Considering both direct output and multiplier effects, what was agriculture's *total economic contribution* to the county economy? **\$4.16 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? **\$21.3 million**

Employment

- How many jobs did Riverside County agriculture *directly* provide? **15,208 jobs**
- Just counting the direct employees, what percent of Riverside County's jobs were in agriculture? **1.83%, or about 1 out of every 55 workers**
- How many extra jobs did agriculture *indirectly* provide through expenditures by agricultural companies and their employees? **12,959 jobs**
- Added together, how many jobs did agriculture *directly* and *indirectly* provide? **28,167 jobs**

The Bottom Line. This section puts our 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		Value		
				Per Acre	Total	Unit	Per Unit	Total
Grapefruit-Red	2012	2,665	2,584	817	2,111,128	34 lbs	8.03	16,952,358
By-Products	2012			152	392,768		1.04	408,479
Grapefruit-Red	2011	2,938	2,855	798	2,278,290	34 lbs	7.17	16,335,339
By-Products	2011			153	436,815		0.99	432,447
Grapefruit-Ruby	2012	2,925	1,803	987	1,779,561	34 lbs	8.87	15,784,706
By-Products	2012			161	290,283		1.07	310,603
Grapefruit-Ruby	2011	1,893	1,893	936	1,771,848	34 lbs	6.64	11,765,071
By-Products	2011			153	289,629		0.98	283,836
Grapefruit-Other	2012	155	145	769	111,505	34 lbs	7.00	780,535
By-Products	2012			154	22,330		1.10	24,563
Grapefruit-Other	2011	229	229	855	195,795	34 lbs	9.57	1,873,758
By-Products	2011			133	30,457		1.18	35,939
Lemons	2012	6,180	5,408	724	3,915,392	38 lbs	16.95	66,365,894
By-Products	2012			131	708,448		1.77	1,253,953
Lemons	2011	5,735	5,637	740	4,171,380	38 lbs	15.59	65,031,814
By-Products	2011			120	676,440		1.60	1,082,304
Miscellaneous*	2012	41	41	3.86	158	tons	1,689.00	267,301
Miscellaneous*	2011	188	59	5.36	316	tons	976.00	308,650
Oranges-Navel	2012	1,360	1,290	479	617,910	37.5 lbs	8.97	5,542,653
By-Products	2012			230	296,700		1.59	471,753
Oranges-Navel	2011	1,233	1,233	526	648,558	37.5 lbs	6.22	4,034,031
By-Products	2011			213	262,629		0.94	246,871
Oranges-Valencia	2012	2,166	2,133	268	571,644	37.5 lbs	5.15	2,943,967
By-Products	2012			111	236,763		2.02	478,261
Oranges-Valencia	2011	2,121	2,121	433	918,393	37.5 lbs	3.78	3,471,526
By-Products	2011			106	224,826		2.38	535,086
Royal Mandarins	2012	130	130	392	50,960	37.5 lbs	17.65	899,444
By-Products	2012			107	13,910		1.95	27,125
Royal Mandarins	2011	120	120	400	48,000	37.5 lbs	18.00	864,000
By-Products	2011			100	12,000		2.00	24,000
Tangelos	2012	224	224	363	81,312	30 lbs	10.45	849,710
By-Products	2012			143	32,032		1.37	43,884
Tangelos	2011	490	379	386	146,294	30 lbs	10.23	1,496,588
By-Products	2011			165	62,535		1.80	112,563
Tangerines	2012	1,652	1,652	480	792,960	25 lbs	15.06	11,941,978
By-Products	2012			137	226,324		1.49	337,223
Tangerines	2011	1,861	1,748	424	741,152	25 lbs	15.79	11,702,790
By-Products	2011			140	244,720		1.25	305,900
TOTAL	2012	17,498	15,410					125,684,390
	2011	16,808	16,274					119,942,513

* Includes: Kumquats, Limes, Blood Oranges.

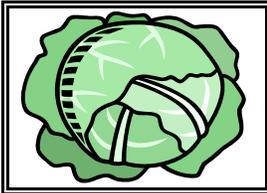


TREE AND VINE CROPS

	Year	Planted Acreage	Harvested Acreage	Production			Value	
				Per Acre	Total	Unit	Per Unit	Total
Apples	2012	23	23	97	2,231	40 lbs	16.14	36,008
	2011	22	22	350	7,700	40 lbs	15.00	115,500
Apricots	2012	16	16	101	1,616	25 lbs	18.36	29,670
	2011	13	13	200	2,600	25 lbs	20.00	52,000
Avocados	2012	6,337	6,310	280	1,766,800	26 lbs	22.03	38,922,604
	2011	6,344	6,170	286	1,764,620	26 lbs	34.00	59,997,080
Cherries	2012	28	28	130	3,640	26 lbs	21.16	77,022
	2011	28	28		Frost Damage			
Dates	2012	8,665	8,250	3.25	26,813	tons	1,567.00	42,015,188
Culls	2012			0.24	1,980	tons	75.65	149,787
Dates	2011	9,328	7,018	3.77	26,458	tons	1,554.00	41,115,514
Culls	2011			0.27	1,895	tons	90.00	170,537
Grapes - Table*	2012	8,013	7,535					117,182,732
(Total)	2011	8,619	7,725		Listed by Variety below.			
Beauty Seedless	2012	63	63	409	25,767	18 lbs	23.42	603,463
	2011	91	91	757	68,887	18 lbs	17.17	1,182,790
Exotic	2012	25	25	520	13,000	18 lbs	14.00	182,000
	2011	26	26	520	13,520	18 lbs	14.00	189,280
Flame Seedless	2012	3,900	3,521	804	2,830,884	18 lbs	22.11	62,590,845
	2011	4,268	3,582	797	2,854,854	18 lbs	19.61	55,983,687
Perlette	2012	81	81	400	32,400	18 lbs	20.00	648,000
	2011	219	111	400	44,400	18 lbs	20.00	888,000
Thompson Seedless	2012	159	159	1,090	173,310	18 lbs	16.82	2,915,074
	2011	349	249	794	197,706	18 lbs	22.00	4,349,532
Other Varieties	2012	3,785	3,686	738	2,720,268	18 lbs	18.47	50,243,350
	2011	3,666	3,666	720	2,639,520	18 lbs	21.19	55,931,429
Grapes - Wine	2012	2,918	2,744	3.14	8,616	tons	1,240.87	10,691,534
	2011	2,772	2,772	2.30	6,376	tons	1,051.00	6,700,756
Miscellaneous**	2012	496	383	6.02	2,306	tons	2,515.69	5,800,326
	2011	1,160	387	4.93	1,908	tons	2,549.00	4,863,263
Peaches	2012	154	152	567	86,184	22 lbs	24.58	2,118,403
	2011	105	99	505	49,995	22 lbs	21.12	1,055,894
Persimmons	2012	12	11	360	3,960	24 lbs	12.60	49,896
	2011	10	10	450	4,500	24 lbs	12.00	54,000
TOTAL	2012	26,662	25,452					217,073,170
	2011	28,401	24,244					232,649,262

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

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



VEGETABLE, MELON & MISCELLANEOUS CROPS

	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Artichokes	2012	543	761	413,223	23 lbs	15.14	6,256,196
	2011	723	400	289,200	23 lbs	14.83	4,288,836
Beans-Green	2012	938	350	328,300	30 lbs	20.99	6,891,017
	2011	916	363	332,508	30 lbs	16.80	5,586,134
Broccoli	2012	2,535	537	1,361,295	23 lbs	6.80	9,256,806
	2011	2,717	535	1,453,595	23 lbs	10.47	15,219,140
Cabbage	2012	115	683	78,545	50 lbs	7.38	579,662
	2011	93	590	54,870	50 lbs	8.77	481,210
Carrots	2012	2,587	42	108,654	tons	155.16	16,858,755
	2011	1,995	45	89,775	tons	135.00	12,119,625
Cauliflower	2012	1,272	719	914,568	23 lbs	9.33	8,532,919
	2011	1,399	557	779,243	23 lbs	11.20	8,727,522
Celery	2012	522	1,178	614,916	60 lbs	12.03	7,397,439
	2011	478	771	368,538	60 lbs	14.40	5,306,947
Corn-Sweet	2012	2,759	361	995,999	45 lbs	10.12	10,079,510
	2011	2,861	396	1,132,956	45 lbs	10.95	12,405,868
Eggplant	2012	349	1,164	406,236	20 lbs	10.40	4,224,854
	2011	262	858	224,796	20 lbs	11.52	2,589,650
Lettuce							
Head	2012	1,366	450	614,700	50 lbs	7.03	4,321,341
	2011	1,348	389	524,372	50 lbs	12.42	6,512,700
Loose Leaf	2012	1,136	693	787,248	22 lbs	10.02	7,888,225
	2011	1,066	852	908,232	22 lbs	10.88	9,881,564
Romaine	2012	2,336	722	1,686,592	35 lbs	8.50	14,336,032
	2011	2,144	609	1,305,696	35 lbs	12.70	16,582,339
Melons							
Cantaloupe	2012	875	712	623,000	40 lbs	6.44	4,012,120
	2011	712	661	470,632	40 lbs	9.04	4,254,513
Crenshaw	2012	26	589	15,314	29 lbs	6.38	97,703
	2011	53	584	30,952	29 lbs	6.49	200,878
Honeydew	2012	958	1,023	980,034	29 lbs	5.32	5,213,781
	2011	889	928	824,992	29 lbs	6.10	5,032,451
Mixed*	2012	766	684	523,944	33 lbs	7.26	3,803,833
	2011	558	773	431,334	33 lbs	7.95	3,429,105

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



VEGETABLE, MELON & MISCELLANEOUS CROPS

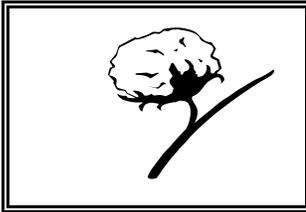
	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Melons							
Watermelon	2012	1,339	23	30,797	tons	550.00	16,938,350
	2011	642	38	24,396	tons	216.00	5,269,536
Miscellaneous**	2012	2,494	6.4	15,962	tons	748.82	11,952,365
	2011	4,448	7.8	34,872	tons	550.00	19,179,776
Onions-Dry	2012	100	1,500	150,000	50 lbs	10.00	1,500,000
	2011	38	800	30,400	50 lbs	6.25	190,000
Oriental Vegetables	2012	2,564	7.0	17,948	tons	700.00	12,563,600
	2011	2,741	8.0	21,928	tons	773.00	16,950,344
Peppers							
Bell	2012	5,021	1,086	5,452,806	30 lbs	13.57	73,994,577
	2011	5,636	1,209	6,813,924	30 lbs	12.51	85,242,189
Potatoes							
Fall	2012	1,380	246	339,480	100 lbs	12.08	4,100,918
	2011	735	174	127,890	100 lbs	18.47	2,362,128
Spring	2012	5,844	156	911,664	100 lbs	16.36	14,914,823
	2011	2,889	221	638,469	100 lbs	17.39	11,102,976
Radishes	2012				Miscellaneous		
	2011	120	1,050	126,000	35 lbs	5.10	642,600
Spices/Herbs	2012	761	1,448	1,101,928	various	3.93	4,330,577
	2011	987	950	937,650	various	5.29	4,960,169
Spinach	2012	1,455	691	1,005,405	30 lbs	12.43	12,497,184
	2011	188	1,056	198,528	30 lbs	10.06	1,997,192
Squash, All	2012	40	8.7	348	tons	656.00	228,288
	2011	472	6.7	3,162	tons	539.00	1,704,534
Strawberries	2012	430	3,800.0	1,634,000	12 lbs	10.00	16,340,000
	2011	372	3,728	1,386,816	various	10.06	13,951,369
Tomatoes	2012	297	2,082	618,354	20 lbs	11.42	7,061,603
	2011	210	1,800	378,000	20 lbs	6.50	2,457,000
TOTAL	2012	40,808					286,172,478
	2011	37,692					278,628,295

** 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

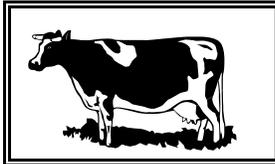
	Year	Harvested Acreage	Production		Unit	Value	
			Per Acre	Total		Per Unit	Total
Cotton							
Short Staple	2012	16,042	4.14	66,414	500 lbs	410.00	27,229,691
	2011	14,112	4.00	56,448	500 lbs	485.00	27,377,280
Seed	2012		2.30	36,897	tons	220.00	8,117,252
	2011		3.00	42,336	tons	250.00	10,584,000
Grain							
Barley	2012						
	2011	300	5.50	1,650	tons	173.00	285,450
Milo	2012	103	18.00	1,854	tons	30.00	55,620
	2011			Miscellaneous			
Oats	2012	515	1.00	515	tons	400.00	206,000
	2011	415	1.00	415	tons	400.00	166,000
Wheat	2012	17,399	0.82	14,267	tons	302.52	4,316,107
	2011	18,922	0.95	17,976	tons	279.00	5,015,276
Hay							
Alfalfa	2012	47,933	8.70	417,017	tons	213.04	88,841,323
	2011	45,042	9.20	414,386	tons	225.00	93,236,940
Bermuda Grass	2012	1,984	7.06	14,007	tons	209.00	2,927,471
	2011	1,927	7.50	14,453	tons	200.00	2,890,500
Four Way	2012	211	3.85	812	tons	206.40	167,669
	2011	163	3.90	636	tons	206.00	130,954
Klein Grass	2012	1,956	9.60	18,778	tons	142.04	2,667,170
	2011	1,939	8.90	17,257	tons	190.00	3,278,849
Oats	2012	2,703	1.53	4,136	tons	200.42	828,855
	2011	2,027	2.50	5,068	tons	200.00	1,013,500
Sudan	2012	2,426	3.89	9,437	tons	193.58	1,826,842
	2011	871	4.60	4,007	tons	151.00	604,997
Miscellaneous*	2012	251	1.77	444	tons	164.30	72,994
	2011	597	1.36	812		213.00	172,939
Pasture-Irrigated	2012	2,163		2,163	acres	120.00	259,560
	2011	1,911		1,911	acres	115.00	219,765
Rangeland	2012	25,000		25,000	acres	1.90	47,500
	2011	25,000		25,000	acres	1.90	47,500



FIELD AND SEED CROPS

Year	Harvested Acreage	Production		Value			
		Per Acre	Total	Unit	Per Unit	Total	
Silage and Green Chop							
Alfalfa	2012	2,077	42.00	87,234	tons	57.00	4,972,338
	2011	710	41.00	29,110	tons	40.00	1,164,400
Corn	2012	618	24.02	14,844	tons	54.10	803,080
	2011	305	28.00	8,540	tons	50.00	427,000
Oats	2012	778	8.00	6,224	tons	60.00	373,440
	2011	866	7.00	6,062	tons	36.00	218,232
Sorghum	2012	832	15.00	12,480	tons	45.00	561,600
	2011	826	16.00	13,216	tons	45.00	594,720
Sudan	2012	415	14.00	5,810	tons	48.00	278,880
	2011	300	18.00	5,400	tons	26.00	140,400
Triticale	2012	2,878	8.50	24,463	tons	49.50	1,210,919
	2011	1,220	22.00	26,840	tons	40.00	1,073,600
Wheat	2012	4,876	5.50	26,818	tons	53.00	1,421,354
	2011	2,250	6.50	14,625	tons	38.00	555,750
TOTAL	2012	131,160					147,185,665
	2011	119,703					149,198,052

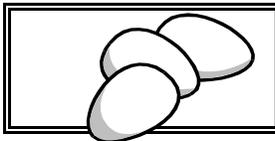
* Includes: Grain - Barley, Hay - Teff Grass, Safflower.



LIVESTOCK AND POULTRY

Year	Number of Head	Total Liveweight	Unit	Value	
				Per Unit	Total
Cattle and Calves					
2012	24,405	142,949	cwt	115.00	16,439,135
2011	27,116	144,393	cwt	100.81	14,556,258
Sheep and Lambs					
2012	9,292	12,079	cwt	120.97	1,461,197
2011	8,214	10,664	cwt	147.00	1,567,608
Other*					
2012			various		1,247,400
2011			various		1,258,400
TOTAL					
2012					19,147,732
2011					17,382,266

* Includes Baby Chicks, Chickens, Ducks, Pheasants.

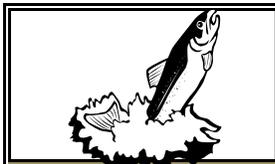


LIVESTOCK AND POULTRY PRODUCTS

Year	Production	Unit	Value	
			Unit	Total
Eggs				
2012	100,568,882	dozen	0.82	82,466,483
2011	100,871,496	dozen	0.81	81,705,912
Milk*				
2012	10,277,545	cwt	16.91	173,793,286
2011	10,175,787	cwt	18.85	191,813,585
Other Products**				
2012				1,140,617
2011				1,128,617
TOTAL				
2012				\$257,400,386
2011				\$274,648,114

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

**Includes Wool, Manure.



AQUACULTURE

Year	Production	Unit	Value	
			Per Unit	Total
Catfish				
2012	200,000	lbs	2.25	450,000
2011	250,000	lbs	2.30	575,000
Miscellaneous*				
2012		various		376,000
2011		various		492,250
Tilapia				
2012	1,275,000	lbs	2.65	3,378,750
2011	1,450,000	lbs	2.58	3,741,000
Total				
2012				\$4,204,750
2011				\$4,808,250

* Includes Goldfish, Koi, Tropical Fish, Bass.



NURSERY STOCK PRODUCTION

	Year	Acres	Production	Unit	Valuation
Ornamental Nursery Stock	2012	4,717	54,668,972	various	169,065,400
	2011	4,800	67,020,872	various	175,352,064
Cut Flowers* / Cut Greens	2012	214	3,874,067	cuttings	2,794,700
	2011	206	2,722,400	cuttings	2,092,400
Christmas Trees (cut)	2012	49	2,615	each	200,000
	2011	65	1,500	each	97,500
Turf	2012	1,601	69,329,740	square feet	14,911,000
	2011	1,951	83,158,000	square feet	18,412,000
Farm Planting Stock	2012	80	157,900	various	3,907,000
	2011	84	164,800	various	4,201,000
TOTAL	2012	6,661			190,878,100
	2011	7,106			200,154,964



APICULTURE

	Year	Production	Unit	Value	
				Unit	Total
Honey	2012	1,000,000	lbs	1.82	1,820,000
	2011	1,100,000	lbs	1.44	1,584,000
Beeswax	2012	20,000	lbs	2.17	43,400
	2011	22,160	lbs	2.17	48,100
Fees Collected for Pollination	2012	20,800	colonies	150.00	3,120,000
	2011	23,110	colonies	139.00	3,212,300
Total Colonies	2012	33,750			
	2011	35,700			
TOTAL	2012				4,983,400
	2011				4,844,400

DISTRICT VALUATIONS - AGRICULTURAL CROPS

District	2008	2009	2010	2011	2012
Riverside/Corona	100,431,600	82,565,100	79,207,200	121,652,448	111,308,300
San Jacinto/Temecula Valley	165,022,400	130,157,200	137,756,700	156,362,416	157,746,500
Coachella Valley	503,782,700	484,825,900	533,846,400	526,337,500	543,657,600
Palo Verde Valley	165,870,000	92,796,900	98,597,300	171,179,300	155,320,000
Total Crop Valuation	935,106,700	790,345,100	849,407,600	975,531,664	968,032,400

ACREAGE STATISTICS

Crop	2008	2009	2010	2011	2012
Citrus	17,691	17,355	17,105	16,808	17,498
Tree and Vine	28,408	27,979	27,745	28,401	26,662
Vegetable, Melons, Misc.	38,142	30,902	38,570	37,692	40,808
Field and Seed	153,784	117,140	117,743	119,703	131,160
Nursery	7,987	8,690	8,750	7,106	6,661
Total Planted Acreage	246,012	202,066	209,913	209,710	222,789

TOTAL VALUATION - F.O.B.

Crop	2008	2009	2010	2011	2012
Citrus	135,759,800	101,652,000	140,500,922	119,942,513	125,684,390
Tree and Vine	173,678,000	191,682,600	164,993,960	232,649,262	217,073,170
Vegetable, Melons, Misc.	266,414,900	221,286,700	292,002,337	278,628,295	286,172,478
Field and Seed	123,545,400	69,699,800	81,328,229	149,198,052	147,185,665
Nursery	230,416,200	206,499,900	169,341,300	200,154,964	190,878,100
Apiculture	5,637,000	5,017,600	4,631,700	4,844,400	4,983,400
Aquaculture	12,077,700	5,243,900	4,921,700	4,808,250	4,204,750
Total Crop	947,529,000	801,082,500	857,720,148	990,225,736	976,181,953
Livestock and Poultry	321,060,900	214,672,800	235,926,225	292,030,380	276,548,118
GRAND TOTAL	1,268,589,900	1,015,755,300	1,093,646,373	1,282,256,116	1,252,730,071

PRODUCTION VALUATION CHANGES 2011 TO 2012

<u>Crop</u>	<u>2012</u>	<u>2011</u>	<u>Value Change (\$)</u>	<u>Percentage Change</u>
Citrus	125,684,390	119,942,513	5,741,877	4.8%
Tree and Vine	217,073,170	232,649,262	(15,576,092)	-6.7%
Vegetables	286,172,478	278,628,295	7,544,183	2.7%
Field and Seed	147,185,665	149,198,052	(2,012,387)	-1.3%
Nursery	190,878,100	200,154,964	(9,276,864)	-4.6%
Apiculture	4,983,400	4,844,400	139,000	2.9%
Aquaculture	4,204,750	4,808,250	(603,500)	-12.6%
All Agriculture	976,181,953	990,225,736	(14,043,783)	-1.4%
Livestock and Poultry	276,548,118	292,030,380	(15,482,262)	-5.3%
Grand Total	1,252,730,071	1,282,256,116	(29,526,045)	-2.3%

RIVERSIDE COUNTY LEADING AGRICULTURAL VALUATIONS

<u>2011</u>			<u>2012</u>		
1	Nursery Stock	\$200,154,964	1	Nursery Stock	\$190,878,100
2	Milk	191,813,585	2	Milk	173,793,286
3	Table Grapes	118,524,718	3	Table Grapes	117,182,732
4	Hay	101,155,740	4	Hay	97,259,330
5	Bell Peppers	85,242,189	5	Eggs	82,466,483
6	Eggs	81,705,912	6	Bell Peppers	73,994,577
7	Lemons	67,619,847	7	Lemons	67,619,847
8	Avocados	59,997,080	8	Dates	42,015,188
9	Dates	41,286,051	9	Avocados	38,922,604
10	Cotton	37,961,280	10	Cotton	35,346,943
11	Grapefruit	34,261,244	11	Grapefruit	34,261,244
12	Misc. Vegetables	19,179,776	12	Potatoes	19,015,741
13	Oriental Vegetables	16,950,344	13	Watermelon	16,938,350
14	Romaine Lettuce	16,582,339	14	Carrots	16,858,755
15	Broccoli	15,219,140	15	Cattle / Calves	16,439,135
16	Cattle / Calves	14,556,258	16	Strawberries	16,340,000
17	Tangerines / Mandarines	14,505,841	17	Romaine Lettuce	14,336,032
18	Strawberries	13,951,369	18	Mandarins	14,099,364
19	Potatoes	13,465,104	19	Oriental Vegetables	12,563,600
20	Sweet Corn	12,405,868	20	Spinach	12,497,184

CALIFORNIA'S LEADING AGRICULTURAL COUNTIES BY TOTAL VALUE OF PRODUCTION

<u>2010</u>			<u>2011</u>		
<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>	<u>Rank</u>	<u>County</u>	<u>Value (\$)</u>
1	Fresno	5,944,148,000	1	Fresno	6,884,582,000
2	Tulare	4,863,706,000	2	Tulare	5,629,264,000
3	Kern	4,757,261,000	3	Kern	5,364,363,000
4	Monterey	4,006,240,000	4	Monterey	3,922,035,000
5	Merced	2,733,495,000	5	Merced	3,259,866,000
6	Stanislaus	2,572,433,000	6	Stanislaus	3,069,823,000
7	San Joaquin	1,960,721,000	7	San Joaquin	2,246,920,000
8	Ventura	1,856,698,000	8	Kings	2,219,529,000
9	Kings	1,717,970,000	9	Imperial	1,964,087,000
10	San Diego	1,648,572,000	10	Ventura	1,841,247,000
11	Imperial	1,598,534,000	11	San Diego	1,683,740,000
12	Madera	1,348,535,000	12	Madera	1,569,239,000
13	Santa Barbara	1,219,996,000	13	Riverside	1,282,256,000
14	Riverside	1,093,651,000	14	Santa Barbara	1,194,379,000

RIVERSIDE COUNTY AGRICULTURAL PRODUCTION VALUES 2003 - 2012

<u>YEAR</u>	<u>VALUE</u>	<u>STATE RANK</u>
2003	\$1,067,367,300	12
2004	\$1,131,605,200	12
2005	\$1,168,671,100	12
2006	\$1,102,438,400	12
2007	\$1,265,063,200	12
2008	\$1,268,589,900	13
2009	\$1,015,755,300	13
2010	\$1,093,646,349	14
2011	\$1,282,256,116	13
2012	\$1,252,730,071	13



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- STANDS & MARKETS
- WINERIES
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Riverside County Features Over Fifteen Major Festivals and Fairs Yearly

Discover Riverside County's natural beauty and history, the majesty of its mountains and desert and learn about an eclectic variety of several major "AG" related Fairs and Festivals that occur each year in Riverside County.

The **Riverside County Date Festival** is unrivaled when it comes to fun with family. The Riverside County Fair & National Date Festival is located in Indio, California. The Fair is a high-profile ten-day event that will feature a series of Headliner Entertainers, Monster Truck Show(s), Big Air Motorcycles, Cooking Shows, a Livestock Auction, over 200 exhibitors, and much more.

With a **Lavender Festival**, a **Beaumont Cherry Festival**, a **Temecula Balloon & Wine Festival**, a **San Jacinto Annual Agricultural Festival** there are a lot of fun and festive things to do in Riverside County each year!



agtrail.rivcoca.org

2012 MILLION DOLLAR COMMODITIES

<u>Rank</u>	<u>Commodity</u>	<u>Value</u>
1	Nursery Stock	\$190,878,100
2	Milk	173,793,286
3	Table Grapes	117,182,732
4	Hay	97,259,330
5	Eggs	82,466,483
6	Bell Peppers	73,994,577
7	Lemons	67,619,847
8	Dates	42,164,975
9	Avocados	38,922,604
10	Cotton	35,346,943
11	Grapefruit	34,261,244
12	Potatoes	19,015,741
13	Watermelon	16,938,350
14	Carrots	16,858,755
15	Cattle and Calves	16,439,135
16	Strawberries	16,340,000
17	Romaine Lettuce	14,336,032
18	Mandarins	14,099,364
19	Oriental Vegetables	12,563,600
20	Spinach	12,497,184
21	Misc. Vegetables	11,952,365
22	Wine Grapes	10,691,534
23	Sweet Corn	10,079,510
24	Broccoli	9,256,806
25	Cauliflower	8,532,919
26	Loose Leaf Lettuce	7,888,225
27	Celery	7,397,439
28	Tomatoes	7,061,603
29	Green Beans	6,891,017
30	Artichoke	6,256,196
31	Navel Oranges	6,014,406
32	Misc. Tree and Vine	5,800,326
33	Honeydew Melon	5,213,781
34	Apiculture	4,983,400
35	Alfalfa - Silage	4,972,338
36	Herbs and Spices	4,330,577
37	Head Lettuce	4,321,341
38	Wheat - Grain	4,316,107
39	Triticale - Silage	4,210,919
40	Cantaloupe	4,012,120
41	Mixed Melon	3,803,833
42	Valencia Orange	3,422,228
43	Talapia	3,378,750
44	Peaches	2,118,403
45	Dry Onions	1,500,000
46	Sheep and Lambs	1,461,197
47	Wheat - Silage	1,421,354
48	Other Livestock	1,247,400
49	Other Livestock Products	1,140,617

SUSTAINABLE AGRICULTURE - 2012

ORGANIC FARMING

145 Organic producers registered in Riverside County

PEST DETECTION (Commercial and Urban)

<u>Activity</u>	<u>Hours</u>
Commercial Crops	1,842
Public Contact	80
Special Surveys:	
Red Imported Fire Ant	46
Other	124
Citrus Tristeza Indexing (Coachella Valley)	<u>Numbers</u>
Commercial	
Properties tested	1
Acres Sampled	25
Samples tested biochemically	193
"Positive" samples	0

PEST DETECTION (Exotic Insects)

<u>Pest</u>	<u>Trap Servicing</u>
European Grape Vine Moth	9,818
Light Brown Apple Moth	636
Asian Citrus Psyllid	407
European Corn Borer	65
Pink Hibiscus Mealybug	48
Gypsy Moth	27
Khapra Beetle	3

Pest Exclusion (Incoming plant shipments)

<u>Units Profiled</u>	<u>Units Inspected</u>	<u>Rejections</u>
5,989	2,916	33

PEST ABATEMENT / HOLD NOTICES

<u>Pest</u>	<u>Properties</u>
California Red Scale	37
Asian Citrus Psyllid	21
Sting Nematode	9
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	<i>Phytoseiulus persimilis</i> (mite)
Spider Mite	<i>Galendromus occidentalis</i> (mite)
Vine Mealybug	<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

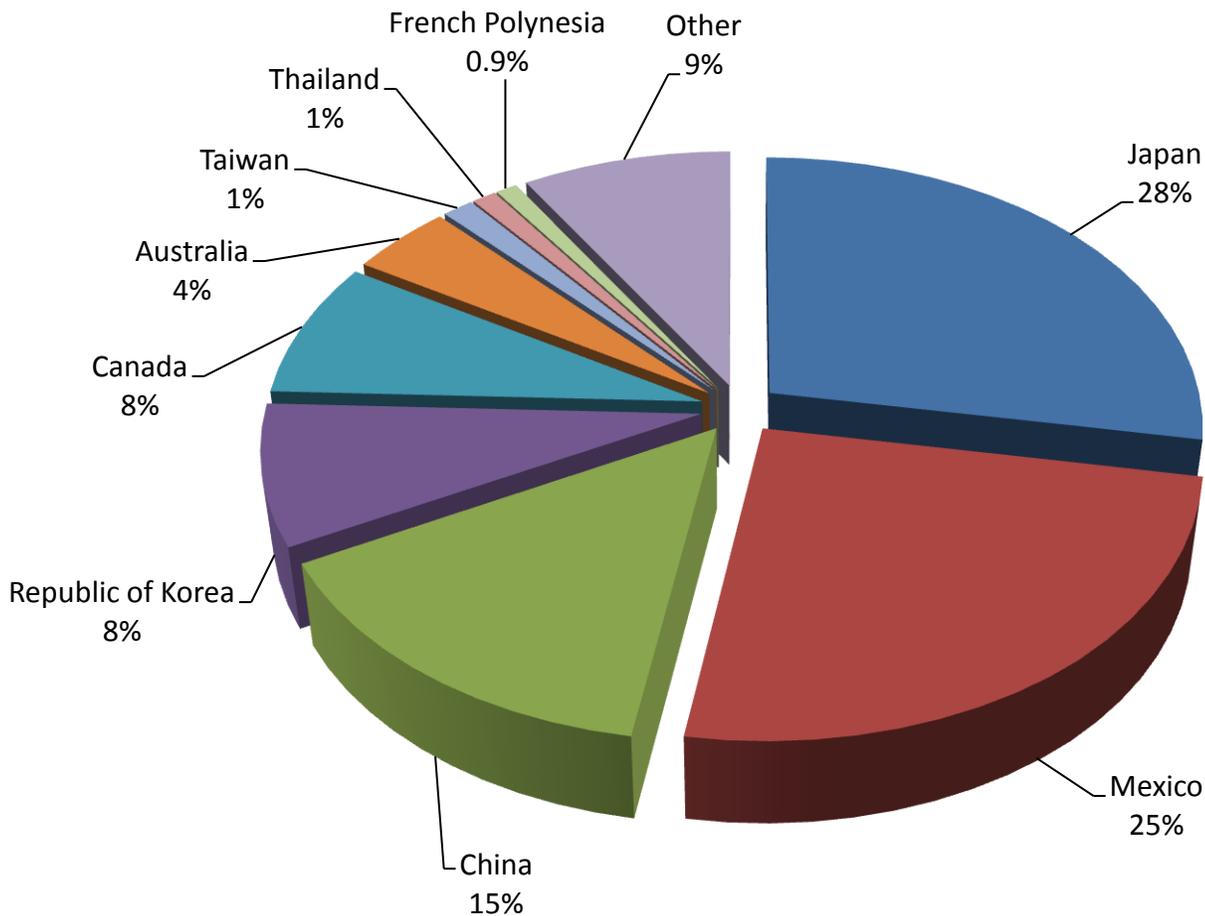
Enforcement of County Ordinances to control Lettuce Mosaic Virus, Agricultural Grading, Land Application of Manure and Biosolids, Cotton Plowdown, Blowing Dust, and Beekeeping.

PHYTOSANITARY EXPORT CERTIFICATION - 2012

All Export Countries

Aruba	Honduras	Japan	Singapore
Australia	Hong Kong	Republic of Korea	Slovakia
Bahamas	India	Lebanon	South Africa
Barbados	Indonesia	Malawi	Spain
Bermuda	Israel	Malaysia	Sri Lanka
Brazil	Italy	Mexico	Switzerland
Brunei Darussalam	Dominican Republic	Morocco	Taiwan
Canada	Ecuador	Nepal	Thailand
Chile	El Salvador	Netherlands	Trinidad and Tobago
China	Fiji	New Caledonia	Turkey
Colombia	French Polynesia	New Zealand	Uganda
Costa Rica	Germany	Nigeria	United Arab Emirates
Curacao	Greece	Panama	United Kingdom
Denmark	Guadeloupe	Peru	Viet Nam
Guatemala	Jamaica	Philippines	

Top Ten Export Countries



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

PHYTOSANITARY EXPORT CERTIFICATION - 2012

All Export Comodities

Alfalfa	Cotton	Mango	Raisin
Almond	Date Palm	Melon	Romaine
Apple	Dates	Mint	Rosemary
Artichoke	Dill	Nectarine	Sage
Avocado	Douglas Fir	Nuts	Savory
Basil	Endive	Oat	Sour Orange
Bermuda Grass	Fennel	Olive	Sudan Grass
Balackeyed Pea	Flax	Orange	Sunflower
Blood Orange	Grape	Oregano	Sweet Orange
Broccoli	Grapefruit	Ornamental Nursery Stock	Tangelo
Brussels Sprouts	Green Leaf Lettuce	Pea	Tangerine
Cantaloupe	Klein Grass	Peach	Tangor
Cauliflower	Kumquat	Pepper	Thyme
Celery	Lemon	Pomegranate	Tomato
Chives	Lettuce	Potato	Valencia Orange
Cilantro	Macadamia Nut	Prune	Watermelon
Corn	Mandarin	Pummelo	White Ash
			Wood

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



PEST INTERCEPTIONS - 2012

<u>Scientific Name</u>	<u>Common Name</u>	<u>Pest Rating</u>	<u>Interceptions</u>
<i>Diaphorina citri</i>	Asian Citrus Psyllid	A	10
<i>Solenopsis invicta</i>	Red Imported Fire Ant	A	9
<i>Pseudaulacaspis cockerilli</i>	False Oleander Scale	A	2
<i>Aspidiotus destructor</i>	Coconut Scale	A	1
<i>Coccus viridis</i>	Green Scale	A	1
<i>Pseudaulacaspis pentagona</i>	White Peach Scale	A	1
<i>Aonideilla aurantii</i>	California Red Scale	B	7
<i>Cyperu esculentus</i>	Yellow Nut Sedge	B	3
<i>Cyperus rotundus</i>	Purple Nut Sedge	B	1
<i>Euphyllura olivina</i>	Olive Psyllid	B	1
<i>Ferrisia virgata</i>	Striped Mealygug	B	1
<i>Pulvinaria psidii</i>	Guava Scale	B	1
<i>Pulvinaria urbicola</i>	Urbicola Scale	B	1
<i>Paracoccus sp.</i>	A Mealybug	Q	18
<i>Dendrothrips howei</i>	Thrips	Q	7
<i>Miscanthicoccus miscanthi</i>	Grass Mealybug	Q	6
<i>Heterogaster urticae</i>	Nettle Ground Bug	Q	4
<i>Hypogeococcus pungens</i>	Cactus Mealybug	Q	2

PEST INTERCEPTIONS - 2012

<u>Scientific Name</u>	<u>Common Name</u>	<u>Pest Rating</u>	<u>Interceptions</u>
<i>Delottococcus confusus</i>	A Mealybug	Q	1
<i>Frankliniella schultzei</i>	Tomato Thrips	Q	1
<i>Kallitaxila granulata</i>	Grainy Plant Hopper	Q	1
<i>Planococcus sp.</i>	Passion Vine Mealybug	Q	1
<i>Pseudaulacaspis sp.</i>	A Scale	Q	1
<i>Ripersiella hibisci</i>	A Scale	Q	1
<i>Technomyrmex albipes</i>	White Footed Ant	Q	1

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 2008 - 2012

<u>Year</u>	<u>Total</u>	<u>A</u>	<u>B</u>	<u>Q</u>
2012	84	24	16	44
2011	92	36	12	44
2010	38	4	11	23
2009	72	13	21	38
2008	131	58	39	34

RIVERSIDE COUNTY
AGRICULTURAL COMMISSIONER'S OFFICE

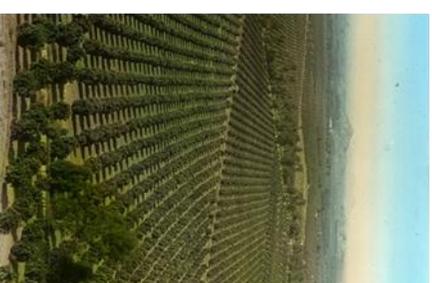


DECEMBER 2012

Notes

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

RIVERSIDE COUNTY AGRICULTURE



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